A Project report on

AGRI SHOP

Submitted in partial fulfillment of the requirement for the Final year award of the degree

MASTER OF COMPUTER APPLICATIONS

Of

Visvesvaraya Technological University
Belgaum, Karnataka

Submitted By

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CERTIFICATE

This is to certify that the project work entitlied

AGRISHOP

Submitted in the partial fulfilment of the Requirement
for the award of the degree of
Master of Computer Applications of the
Visvesvaraya Technological University, Belgaum, Karnataka
bonafide work carried out by

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during the academic year 2019-2020

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CERTIFICATE OF COMPLETION

We hereby conform that **Ms. Chaithra S** of your collage **CMR Institute Of Technology** with USN: **1CR18MCA58** has successfully completed the Project at **Real Time Signals Technologies Pvt. Ltd.** from January 02-2020 to May 30-2020.

The Project based on PHP with The Title **"AGRISHOP"** under the guidance of **Mr. Himanshu Mangaraj** , Project Guide, **Real Time Signals Technologies Pvt. Ltd.**

Kind Regards,

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Declaration

I, **CHAITHRA S**, student of the 6th sem MCA, **CMR Institute of Technology**, bearing the USN **1CR18MCA58** , hereby declare that the project entitiled **"AGRISHOP"** had been carried out by me under the superv ision of External Guide **Mr. Himanshu Mangaraj**, project manager, and Internal Guide **Prof.Dr.Ilango V, Department of Master of Computer Application** and submitted in the partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications by the **Visvesvaraya Technological University** during the academic year 2019-2020. The report has not been submitted to any other university or institute for the award of any degree or certificate.

Place: Bangalore CHAITHRA S

Date: (1CR18MCA58)

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CHAITHRA S

(1CR18MCA58)

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CHAPTER 1

INTRODCTION

1.1 PROJECT DESCRIPTION

AgriShop (e-commerce website for selling Agricultural items and renting the agricultural tools) is a site which helps ranchers in buying the cultivating items like seed, pesticide, fertilizers and it also has agritools where ranchers can take the agritools for rent.

The point of proposition is to facilitate current young and future farmers, who are keen on cultivating however they won't have any thought on cultivating, in this application client can buy manures, by looking into their details. If the farmers want to buy the products from the AgriShop, it provides essential details of the item so that without any confusion farmers can buy it whole heartedly. The AgriShop is planned and created utilizing PHP innovation that is the mainstream in creating web application on the server-side , this application is primarily developed for those who pick Agriculture as their career.

The AgriShop gives straightforward interface for buying the items as well as for renting the agro tools. These outcomes in following advantages:

- Empowers to utilize modern agricultural products.
- Improves the strategy of cultivation.
- Farmers can get variety of agricultural items in one site.

MODULES

ADMIN SIDE

- Order management
- Manage Users
- Manage Products
- Manage categories

ORDER MANAGEMENT

In this module admin has the privilege to manage orders placed from clients. It has three sub sections such as Today's order, pending order and delivered order. In today's orders made on that particular day will be there and in pending order those products will be there which are ready to deliver but not yet delivered and in delivered section those items which are delivered to the customers are placed.

MANAGE USERS

Here admin can view some of the credentials of user like his name, email id, contact number as well as billing address, admin can only view the details here he cannot modify the details regarding user of the application.

MANAGE PRODUCTS

Here admin can add, update, delete and edit the details regarding the product. At point of time users can perform this operation on the products. In this project we have products related to farming such as fertilizers, pesticides, insecticides, seeds as well as agro tools which can ge given on rent t the farmers.

MANAGE CATEGORIES

In this section admin can create categories and its sub categories. As well as he can do edit, update, delete the categories and their sub categories. Here admin should first select the category of the product before creating its sub category, otherwise admin cannot create sub-category. Category and subcategories help customers to select the product easily.

USER SIDE

- Categories of Agri Product
- Agro Tools
- Govt plans
- loans

Categories of Agri Product:-

It facilitates the users to select the items based on the category, which consisting seed, fertilizers and pesticide. Here users will select the products based on their category. It might be seed, fertilizers, or other cultivating items.

Agri Tools:-

This part help the farmers to select tools which are required for farming based on their requirement. It also provides some details related to equipment such as name and price. Here farmers can find different varieties of products which are used in agriculture at various stages.

Govt Schemes:-

This module helps farmers to know about the few schemes which are introduced by our government for the sake of the well being of farmers. Here farmers can view a list of government schemes. This information can help the farmers to get some help from the government.

Loans:-

In this section farmers will get an idea of different loans which is given to them from different banks. With this knowledge farmers can avail the benefit which is meant for them.

1 .2 COMPANY PROFILE

Real Time Signals Technology Pvt Ltd is an IS0 9001 confirmed design service organization in embedded system of engineering and digitalsignal managing out from India. With their phenomenal blend of capacity in embedded hardware, Software, DSP and PCB structure, Real Time Signals offers from beginning to end thing design organizations for driving thing associations, master communities and attempting fresh organizations.

RTS, it is a piece of Real Time Signals Technology Private Limited. it is an association drew in with idea, headway and combining unique electronic things distinctive application in the market. It has a wide extent of introduced things and digital-signal incredibly. The products are reliably improved through consistent progression and advanced studies. Real Time Signals over the time has improved its undertakings, formed into one of the our countries important affiliations, making present day tech hardware and coding things, giving embedded game plans, adventure resource organizing, creating answers for a basic expert community/client to a mind boggling framework/bundle of organization centers, which has transformed to the need of present time. An unfathomable system methodology brings home the advantage of passing on game plans on time, as a matter of course.

It includes a social occasion of designers, developers and geniuses. Together they form principle application developing associations in Bangalore. It provides programming skills to the board organizations to worldwide customers over various endeavors. It fathoms the challenges that its customers face inside and over other organizations. It gives sensible, sound judgment and mind boggling answers for area those challenges. Making programming reach out to its customers is the only target that inspires design, development, and anything in those clearly portrayed occupations.

Real Time Signal Technologies are serving in the following fields:

- implant Design
- Network and Cloud Computing
- Web-based Application
- Mobile Application
- Data science

CHAPTER 2

LITRATURE SURVEY

2.1 EXISTING AND PROPOSED SYSTEM

2.1.1 EXISTING SYSTEM

Currently available websites which are based on Agriculture has modules only for purchasing the products required for farming and other few websites provide few information related to agriculture but the farmers are not given complete information which is required for him, for this he has to visit multiple sites but still we cannot assure that he will get information which he was searching for.

Since many farmers are not aware of new technologies which are introduced in the field of agriculture they are following the old and traditional way of doing agriculture. It results in low yields and requires much effort because of this many youngsters are choosing different fields as their career.

2.1.2 PROPOSED SYSTEM

This proposed system tries to overcome the disadvantages which was present in the existing system. The proposed framework has numerous modules which are incorporated in one site which gives total expected data to client, this framework has various modules identified with agriculture that helps ranchers for cultivating and it supports to get great outcome. Products, Agri tools, Government Plans, loan provided from different banks are the various modules that are coordinated in proposed framework. Agrishop is an e-commerce site where farmers can easily use the webpage because the interface of the website is designed as user friendly. Proposed system tries making the complicated process as simpler and efficient, thought providing all necessary items of agriculture under one umbrella.

Products: here customers can buy different cultivation products, where the essential details of product will attach with the product so that with at most clarity farmers can buy the products. There is no need to visit different shops to get different products, almost the required items can be found in this system. Here good quality products are listed so that the aim of the application can be reached.

Agri tools: In this module client can rent a cultivating gear on the web, It facilitates the client who are new to cultivating, and also to those farmers who cannot purchase the products by paying huge amount. It Supports the clients who are keen on cultivating and makes their work simple and efficient. Here farmers can get a wide variety of farming tools which are required from the beginning till the end of agriculture.

Government Plans: it is window or a form which notifies the farmers about the new schemes which are recently introduced by the government for the well being of ranchers. Here users can only see the updates which are made by the admin other than this they cannot perform anything else.

Loans: this section provides the knowledge about the different loans which is available only for the farmers afford by various public and private banks with minimum interest. Here users can only see the updates which are made by the admin other than this they cannot perform anything else.

2.2 FEASIBILITY STUDY

This study is an appraisal of reasonableness of a developed task or framework. It takes task's examine factor that incorporates monetary, specialized, lawful and plan that consider the venture ought to be finished effectively, It is where the undertaking is planned that endorses whether this task is conceivable or not.

The goals of feasibility study are as follows:

- To look at whether the web application will meet organizations prerequisites.
- To review if the web application should be possible with available innovation inside specific financial plan and calendar.

Variations of feasibility study:

- Technical
- Legal
- Operational
- Economic
- Schedule

Technical feasibility: it tells about what are all the technologies which should be used for the project. Basically it deals the technologies which are required to develop the project.

Legal feasibility: it is a check done to check whether all the legal requirements are ensured by the project so that there will be no further legal complications.

Operational feasibility: It decides the exhibition of the system whether the software can play out the necessary activity and ready to tackle the intricacies and whether it fulfills the prerequisites which is given from the company while collecting the requirements.

Economic feasibility: it endorses the expense for activity i.e., to investigate whether the venture is finished within assessed budget. Greater part of the undertakings is done inside the spending plan with the use of open-source technologies which is accessible in the industry.

Schedule feasibility: it is an assessment of the project, whether will it be finished under the specified time or will it take more duration than the specified time.

2.3 TOOLS AND TECHNOLOGIES USED

Technologies used for developing the application are as follows:

Front End:

- HTML
- Bootstrap
- Cascading Style sheet

Back End:

- PHP

Database:

- MySql

HTML:

Hypertext Markup language is the foundation for creating any sort of web pages and web applications. When HTML is used along with the combination of CSS along with JavaScript, it will create a wonder in World Wide Web.

It is a basic but still a powerful language which gives ability for any developers or newbie's to the html platform to develop a static webpage with little effort. If the creators has minimum knowledge of html structure and knows how it works can easily create a web page without putting much effort.

CASCADING STYLE SHEET:

It is assumed to be a significant job in transforming the site to look increasingly brilliant, appealing where it incorporate the different kinds of shading codes, text dimensions, textual style and so forth the pages created utilizing the outside sheets helps in stacking the pages quicker. The application developed is responsive in nature and perfect with different programs accessible. CSS is for the most part utilized for styling reason where after the page is been structured it is utilized to give the beautiful completion to the pages in turn it transforms the page to look more brilliant and increasingly appealing.

Bootstrap:

Bootstrap is one of the noticeable front-end technologies used in present days. It is easy, normal, and astounding front-end framework for quicker and easier web development process. It includes HTML, CSS. The last items a similar for composing, tables and structural segments transversely over web programs.

Bootstrap also has JavaScript code included in it. They provide additional UI parts, for model, talk boxes. Every Bootstrap fragment involves a HTML structure, CSS certifications as well as JavaScript code.

PHP:

PHP is one of the, XHTML installed documenting language used from server space and it acts like a substitute to many other technologies.

PHP is a documenting language used from the server space, it is normally utilized for structure dealing with and database gets to. It is an absolutely deciphered and utilizes dynamic composing; PHP has broad collections of capacities making it an adaptable and integral asset for server-side programming advancement. A significant number of the predefined capacities are utilized to give interfaces to other programming frameworks, for example, mail and database framework.

MYSQL:

MySql is considered to be one of the secure and dependable databases which are utilized in the vast majority of the application engineers. In this application as insert to the data and treatment of the inserted data of the representatives in an excel expectations the information is being put away in the database which makes the client in simple treatment of the information and can likewise follow the information of the workers and the information won't be traded if there are multiple workers with a similar name. Database diminishes the confusion in including and expelling of data which is accumulated in the databases.

2.4 HARDWARE AND SOFTWARE REQUIREMENTS

HARDWARE REQUIREMENTS

CPU : Pentium - III

Hard Disk : 500GB

RAM : 4GB RAM

Graphics Card : 2GB

SOFTWARE REQUIREMENTS

Operating System : Window 7/8/10

Editor : Sublime text 3

Server : WAMP SERVER

Front End : Cascading Style Sheet (CSS), HTML

Database : MySQL

Back End : PHP

CHAPTER 3

SOFTWARE REQUIREMENTS SPECIFICATION

3.1 FUNCTIONAL REQUIREMENTS

The usefulness of the framework is being characterized by the functional requirements. It relies upon the kind of programming utilized and the clients who utilize the application. This characterizes which are main and essential administrations or functionalities which are conveyed in the system.

3.1.1 Login page:-

First farmers have to register to the application before start using it. In log in page user has to give his personal credentials so that he can successfully register to the application. Using the information given during registration process users can get accessed to the application. If the user provides wrong credentials or incorrect data while logging into the page he won't be able to access into the system.

3.1.2 Main screen:-

It is a page which gives full information to the user of what the application is all about and what it can do. Here the users can choose whatever they wanted to do with the application. Home page is self explanatory and users can easily go with the flow of the application. This is place where clients can edit their information's which was given to the application.

3.1.3 Modify:-

In this page clients can modify the data which he has given to the application. He has all the privilege to update and edit his personal details.

3.1.4 Logout:-

After performing all tasks or activities client can come out of the application by using this page. If the farmers feel he should come out of the application at any point in time he does that with this page.

3.2 NON FUNCTIONAL REQUIREMENTS

It is a kind of requirement which judges the overall success of any application. These are the sort of prerequisites where the vital necessities can be roughly met while building up the application. It determines and characterizes how the framework functions after it has been created.

3.2.1 Performance

It relies on how quick the application functions when there are numerous clients who are getting in to the application. It might incorporate the transferring of documents, opening various pages at a solitary time. How quick the information is being handled when the application is being utilized by multiple users at the same time.

3.2.2 Dependability

It characterizes how the system which is created is solid to be utilized by the clients. It for the most part characterizes how and in which sort of conditions the product neglects to work or takes greater time to respond to the user actions. When huge number of different clients utilizing the system at a solitary time the server may get occupied and the handling of information of the clients can turn out to be moderate or may even stop now and then for a significant stretch of time.

3.2.3 Maintainability

The system can be utilized by different clients one after another. The framework is created in such a way so that any module, sub module is included, refreshed, altered or erased won't influence the remainder of different modules which are currently in working state.

3.2.4 Flexibility

Each time there will be a gathering of individuals who put in their endeavors to make an software to work effectively. The software can be created in different stages and can likewise be refreshed to the most recent innovations and the forms accessible.

CHAPTER 4

SYSTEM DESIGN

4.1 SYSTEM PERSPECTIVE

Enhancement of coding process habitually needs strong interfaces with expand the administrators and control works out, which are stressed over perceiving the need of method change and actuating improving exercises. Undertaking the officials, on the other hand, normally misses the mark at picking appropriate programming structuring systems and advancement that help to ensure adventure accomplishment.

It depicts a model that aides project chiefs

- To establish an assignment with the objective that it can accomplish its specific goals.
- To distinguish helpful changes once an endeavor is threat of failing its destinations.

The probability of an application viewpoint is to utilize a non-reduced way to deal the errand of depicting the properties of the framework itself. In the system point of view, when individual perceived the framework as a substitute piece of the world, one doesn't permit to steadily isolate the structure into separated parts. Or then again might be one is made plans to delineate the structure with everything taken into account. In the event that one uses section into parts, as a portion of the outline of the application behavior that is basically bit of a flat out delineation of the lead of the total.

According to the perspective of the system one should be mindful about pondering the structure with respect to nature and not as a bound component. Thusly one should join the relationship between the system and its boundary.

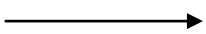
It could be expressed as the initial step of recognizing the arrangement from the beginning of the issue, the primary point of developing the software is to identify and upgrade the prerequisite of a framework into code.

4.2 DATA FLOW DIAGRAM

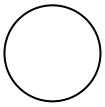
It is also referred as Context diagram. This diagram decides limit of the framework or parts of the framework and its condition, showing the elements that communicate with it. Setting Diagram is the elevated level perspective on the framework; it is a typical device that Business Analysts use to comprehend.

It depicts the outline behavior needed by the outer elements; it very well may be disintegrated into various levels in progressive way.

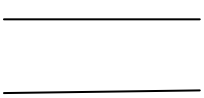
DATA FLOW DIAGRAM NOTATIONS



Data flow

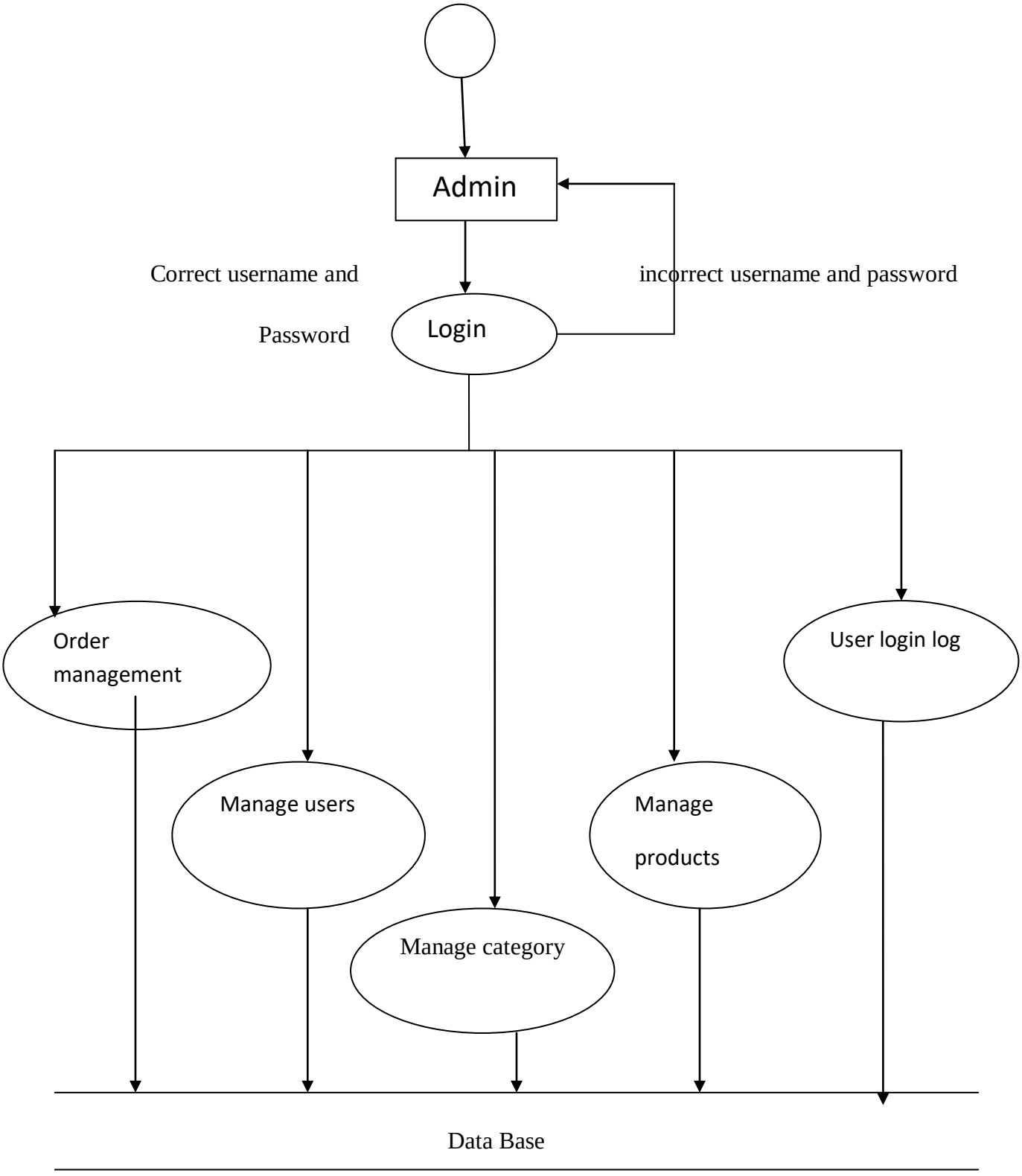


Process



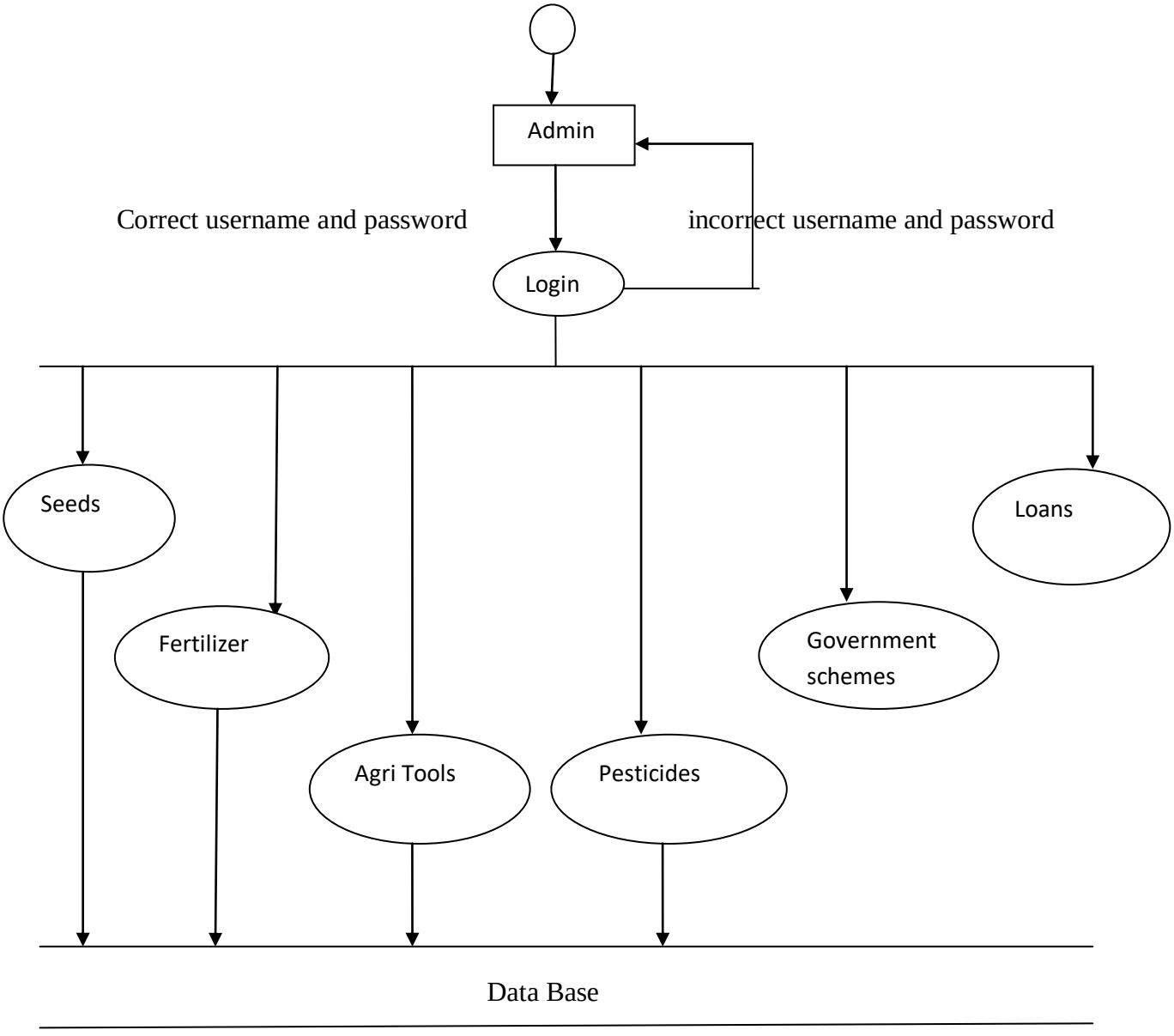
File or Database

Input or Output



4.2.1 Dataflow diagram for admin

. Above diagram tries to explain data flow in project from the admin perspective. Here admin login to the application using valid credentials, here the admin can access Order management, Manage Users, Manage category, manage categories and he can view user login log.



4.2.2 Dataflow diagram for user

Here the use logs in to the application through valid credentials or else he will not be allowed to access the system. After successful login he will be able to access the modules in the system, such as Seeds, Fertilizers, agro tools, Pesticides, government Schemes as well as loans.

CHAPTER 5

DETAILED DESIGN

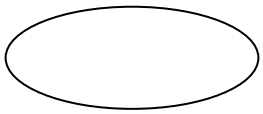
5.1 USE CASE DIAGRAM

It expresses the working and the connection between the client and the application; It displays the usefulness of the framework utilizing entertainers and use cases. The main motivation behind a use case outline is to show what system capacities are performed by the entertainer. Jobs of the on-screen entities in the application could be depicted.

Use case is the assortment of activities, capacities that should be played out, these are otherwise called conduct chart that depicts the conduct of the application.

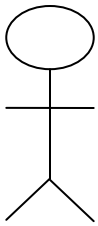
USE CASE DIAGRAM NOTATIONS

System

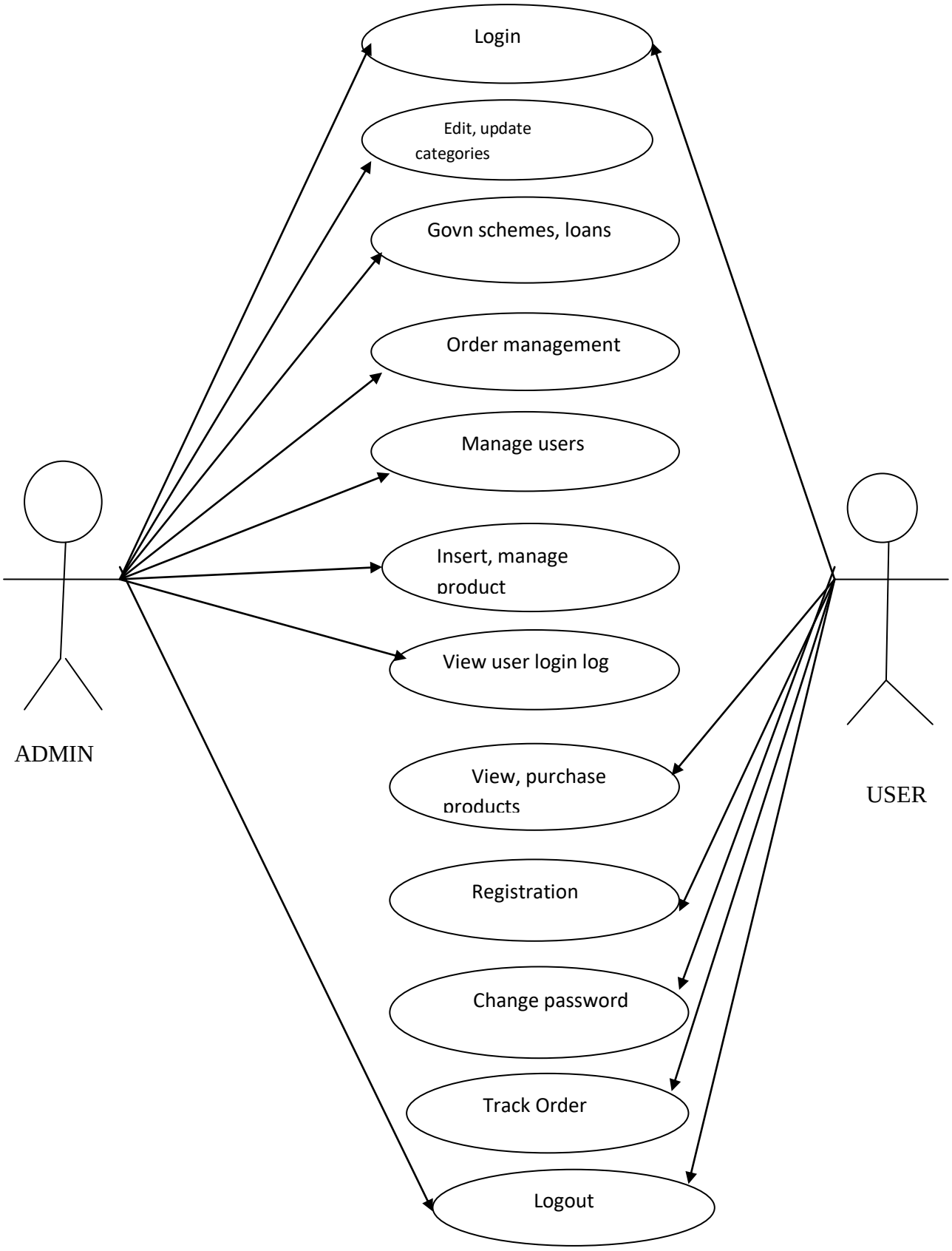


Use case

Association



Actor



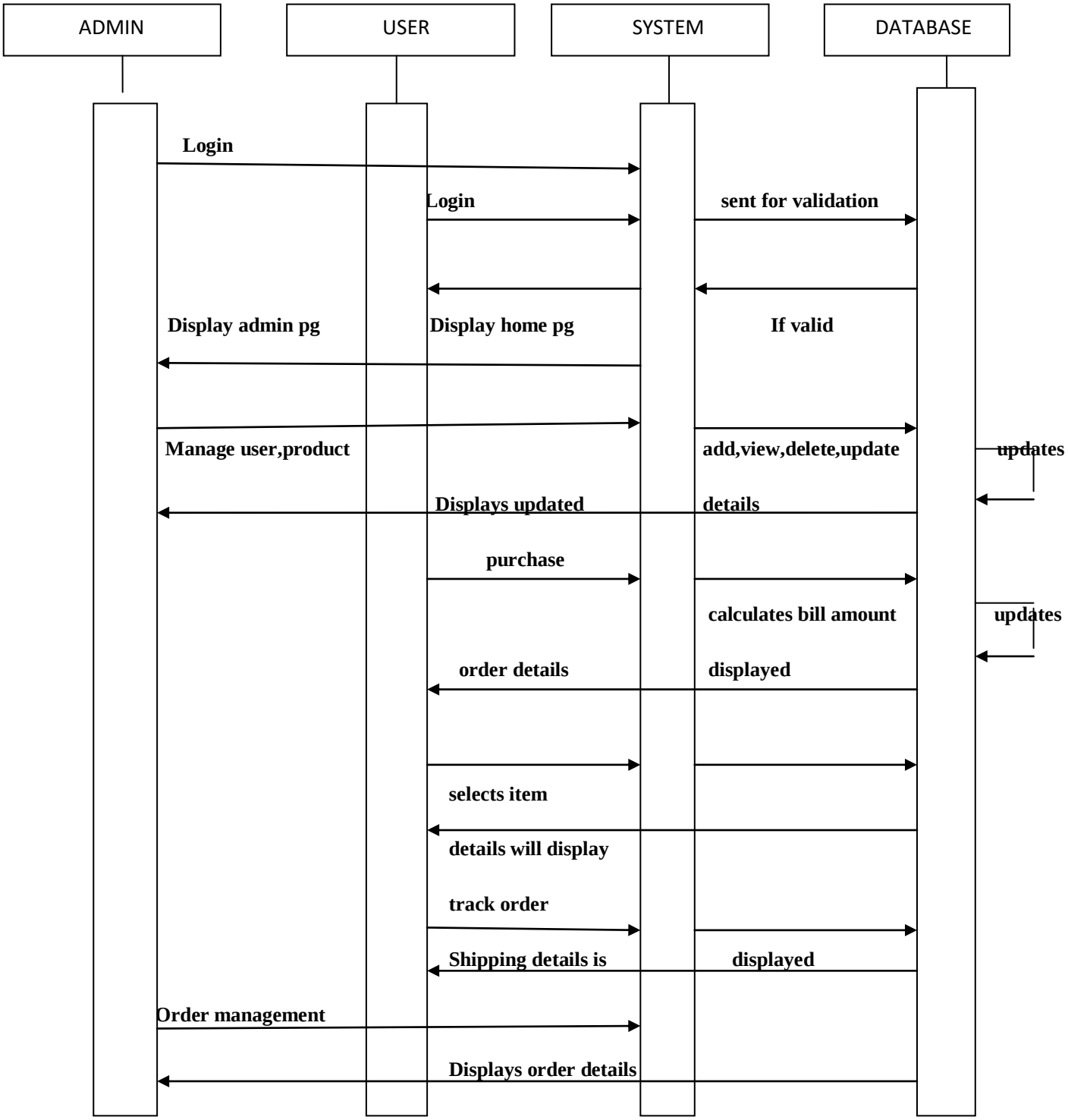
5.1.1 Use case Diagram

Figure 5.1.1 helps to easily understand the flow in the project. It shows which modules which admin and user can are able to access in application. Here main user can access modules like product management, users management, government schemes and loans where as user can access view and purchase products, track order, registration etc.

5.2 SEQUENCE DIAGRAM

Sequence diagrams are otherwise called event diagrams, that depicts the connection among items and it portrays the framework working request and it centers on the message trade between the helps.

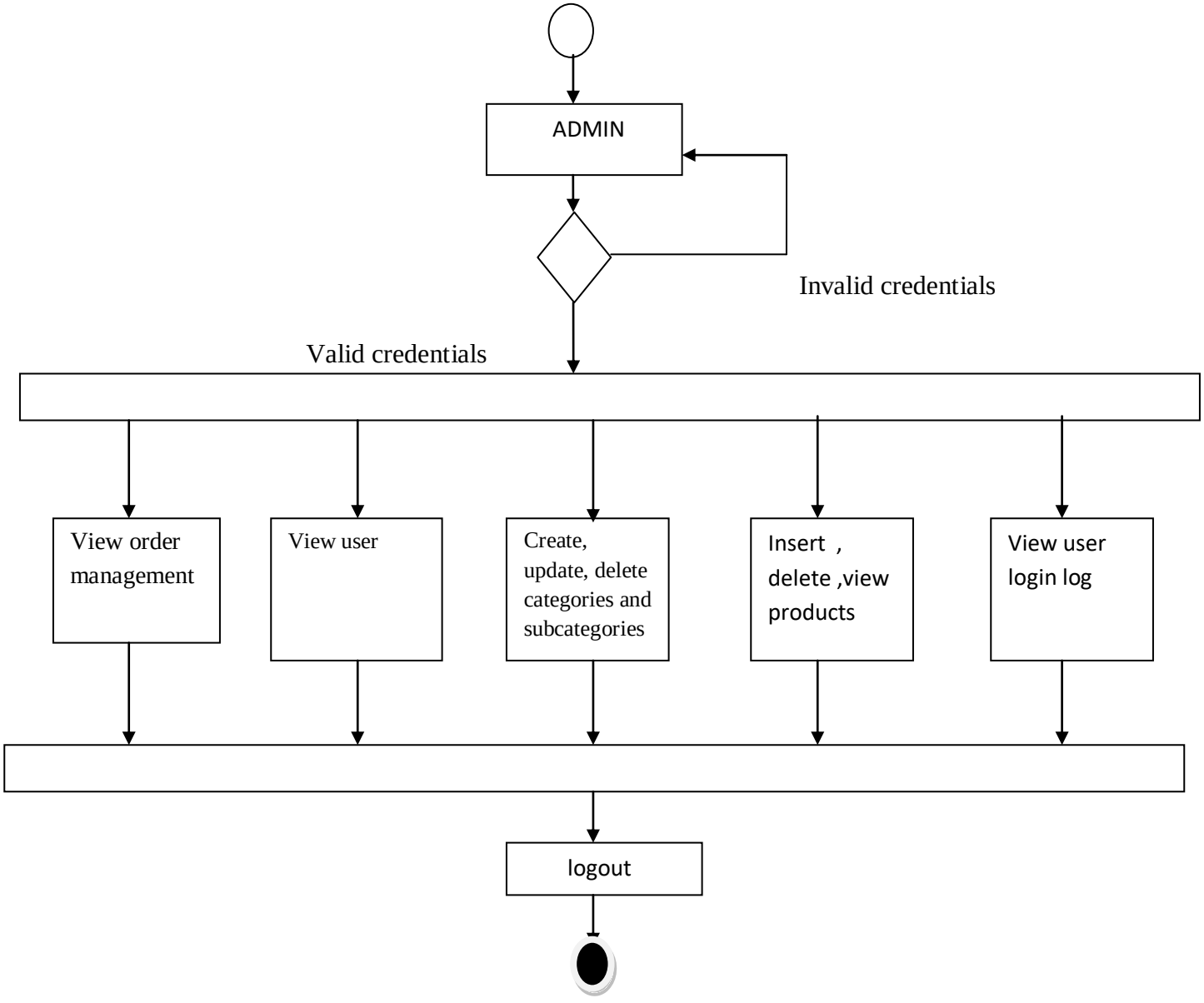
Figure 5.2.1 will help to understand the sequence in which the control flows in the system. Here admin and user logs in to the application with valid credentials, system verifies it with database it it is correct they will get access to the application. Likewise how every operation is performed in the system is depicted in the figure. It has four main things that are admin, user, system, and database.



5.2.1 Sequence Diagram

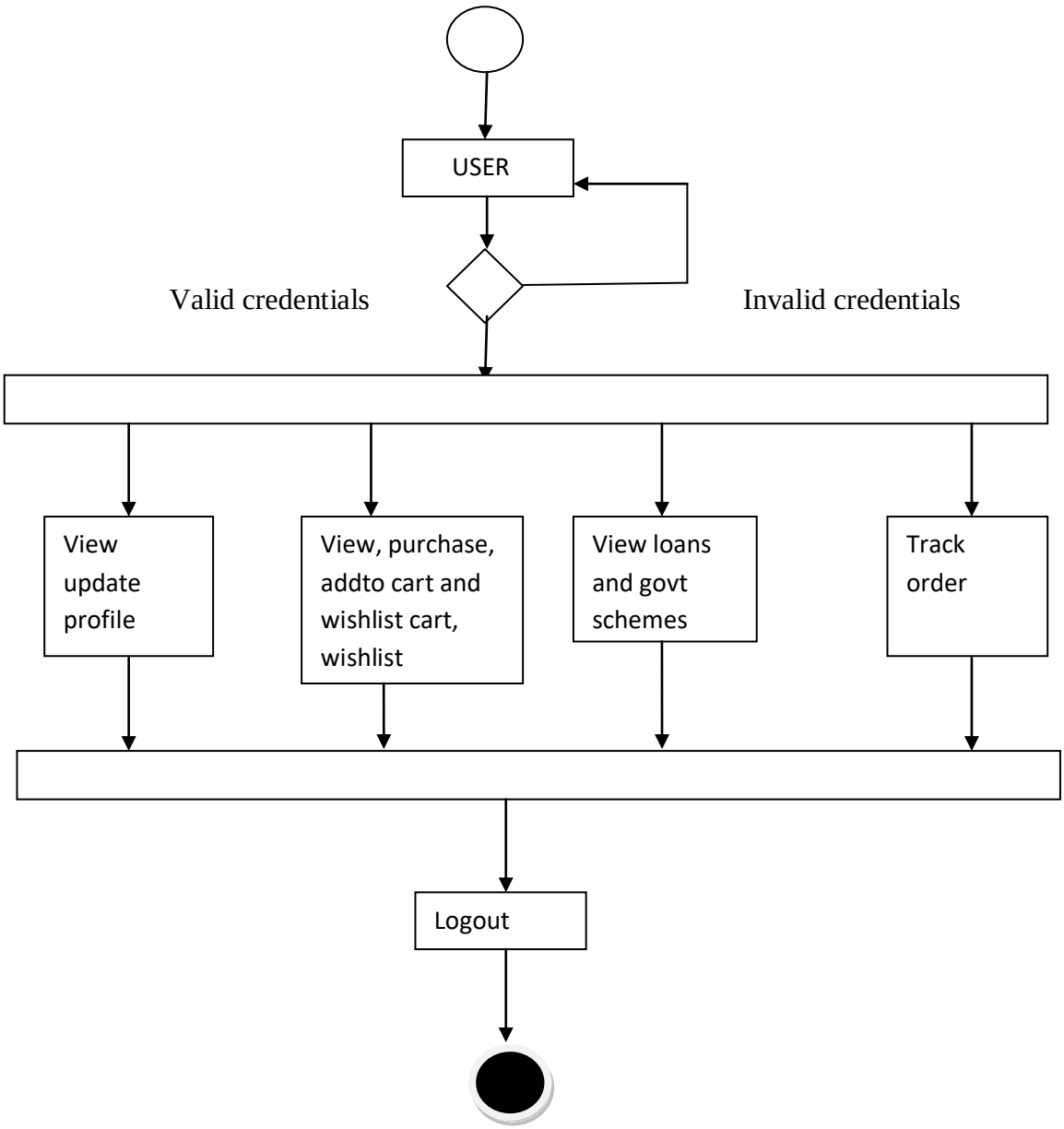
5.3 ACTIVITY DIAGRAM

It will help the viewer to understand how the project is divided into different activities or in other words it breaks the project into small modules so that the project can understood easily. Activity diagram depicts the various activities performed by the users of the application. If the user looks into the diagram he can understand the flow within the project without much effort. Activity diagrams are self explanatory in nature. For ease f understanding we are making use of this diagram.



5.3.1 Activity diagram of admin

Figure 5.3.1helps to understand what are the activities which will be performed in the system. Admin will login to the system with valid credentials; or else he will not be able to access the system. After login he will get access to the order management, user, perform crude operations on categories and products.



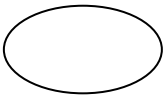
5.3.2 Activity diagram of user

5.4 ENTITY RELATIONSHIP (E-R) DIAGRAM

This Diagram characterizes the E-R model that depicts the format of the database. It depicts the one substances of connection and one examples.

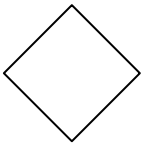
This is addressed by techniques for an ER plot. For example, substances, attributes of a component, relationship, and qualities of relationship sets, can be addressed with the help of an ER plot.

E-R DIAGRAM NOTATION



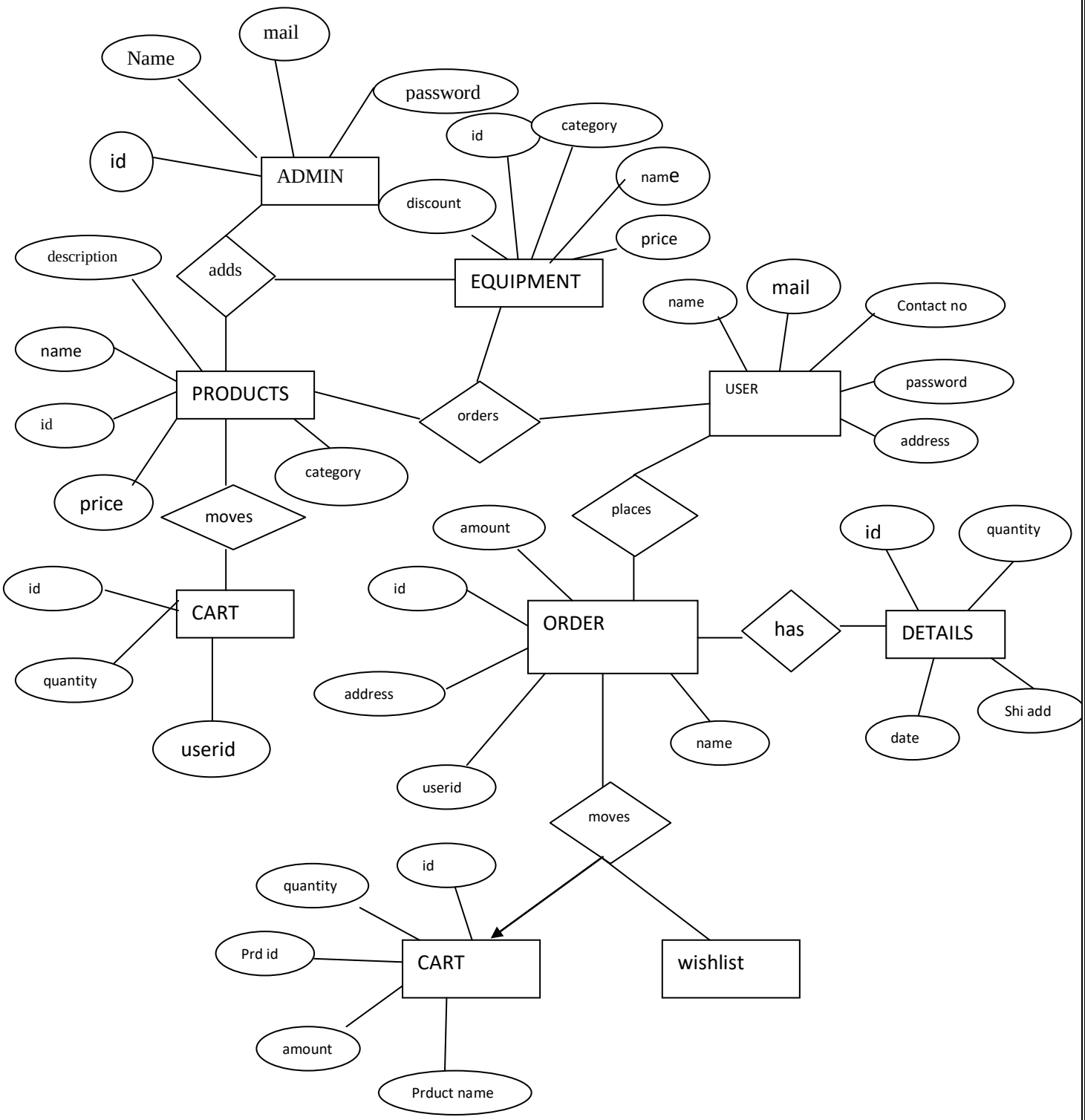
Attribute

Entity



Relationship

It links Attributes and entity



5.4.1 E-R Diagram

Figure 5.4.1 is depicting the entities in the system and its attribute and also the relationship among the entities. Here there are few major entities like Admin, products, Equipment, users, cart, and order. These are the few entities around which the system is built. This diagram will help to understand how the entities are related to each other just by looking into the figure. It reduces the effort of the end user or developer which is invested in understanding the flow in the application by reading the lengthy documents, which is time consuming as well difficult. Always figures will give more clarity about the application flow when compared to the reading software documents. It is giving a precise idea of entities and its attributes.

CHAPTER 6

IMPLEMENTATION

Usage is where venture practitioner makes arrangement as according to his perspective to make it genuine and to get appropriate result. Arranging is a fundamental piece of any productive endeavor. To finish a venture the execution plan that shocks the errand is basic.

Implementation is the route toward format of the application as demonstrated by its arrangement. Developer makes use of html code to design the web pages. By Html is one of the simplest and wisely used technologies by all front end developers

The utilization methodology takes subsequent to coding part; however it incorporates using a particular accentuation for developing the web formats. In spite of the way that there are robotized gadgets to facilitate with the advancement of documents, a serious building up in upgrades the web expert's capacity.

6.1 SCREENSHOTS

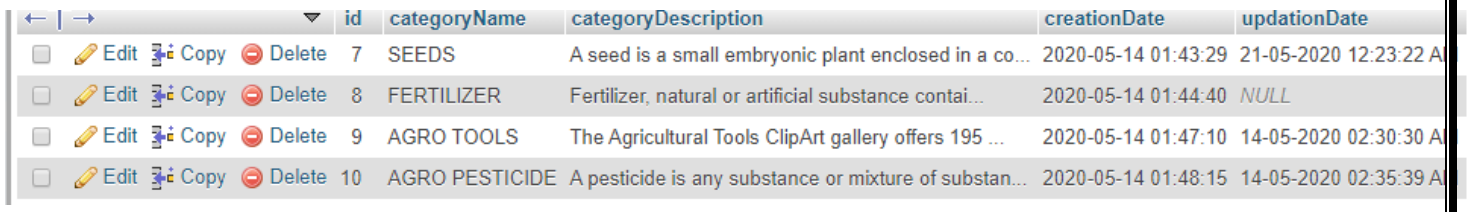
TABLE DESIGN:

6.1.1 ADMIN

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	username	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
3	password	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
4	creationDate	timestamp			No	current_timestamp()			Change Drop More
5	updationDate	varchar(255)	latin1_swedish_ci		No	None			Change Drop More

Figure 6.1.1 contains the field’s name which is used while creating the Admin table. Here id is the primary key. It has field names like username, password, creation date and date of updation.

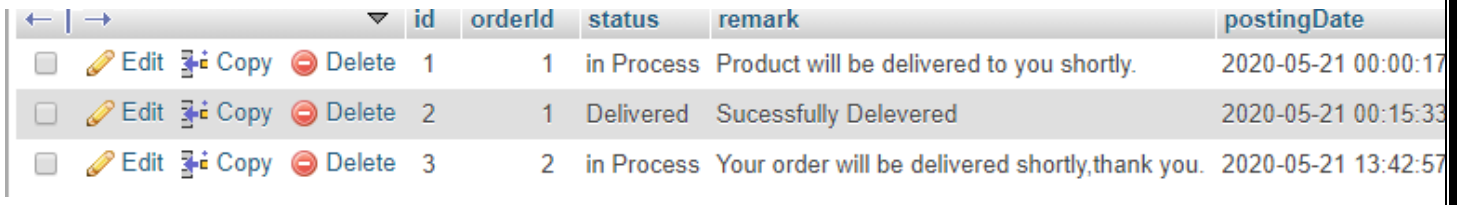
6.1.2 CATEGORY



	id	categoryName	categoryDescription	creationDate	updationDate
Edit Copy Delete	7	SEEDS	A seed is a small embryonic plant enclosed in a co...	2020-05-14 01:43:29	21-05-2020 12:23:22 A
Edit Copy Delete	8	FERTILIZER	Fertilizer, natural or artificial substance contai...	2020-05-14 01:44:40	NULL
Edit Copy Delete	9	AGRO TOOLS	The Agricultural Tools ClipArt gallery offers 195 ...	2020-05-14 01:47:10	14-05-2020 02:30:30 A
Edit Copy Delete	10	AGRO PESTICIDE	A pesticide is any substance or mixture of substan...	2020-05-14 01:48:15	14-05-2020 02:35:39 A

Figure 6.1.2 is a category table. It has fields like id, category name, category description, creation date and date of updation. Fieldnames are self explanatory and it can easily understand by the developer or user of the application.

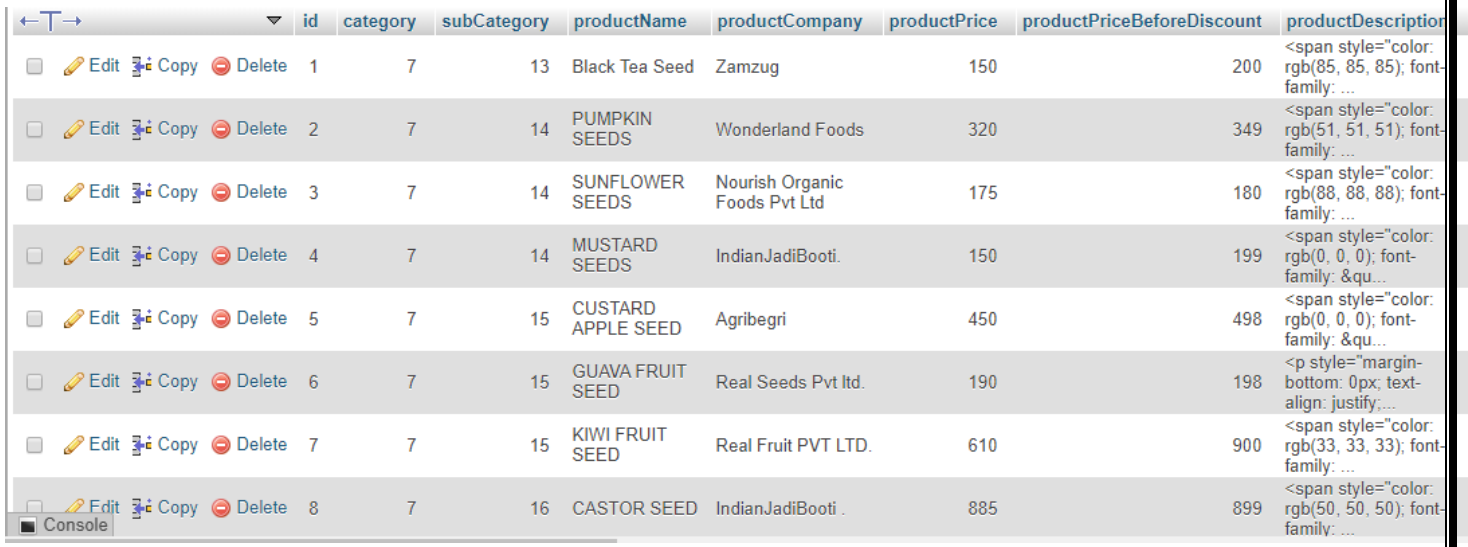
6.1.3 ORDER TRACK



	id	orderId	status	remark	postingDate
Edit Copy Delete	1	1	in Process	Product will be delivered to you shortly.	2020-05-21 00:00:17
Edit Copy Delete	2	1	Delivered	Sucessfully Delevered	2020-05-21 00:15:33
Edit Copy Delete	3	2	in Process	Your order will be delivered shortly,thank you.	2020-05-21 13:42:57

Figure 6.1.3 table to track the orders which is made by the user of the application. It has fields like id, ordered, status, remark and posting date.

6.1.4 PRODUCTS



	id	category	subCategory	productName	productCompany	productPrice	productPriceBeforeDiscount	productDescriptior
Edit Copy Delete	1	7	13	Black Tea Seed	Zamzug	150	200	<span style="color: rgb(85, 85, 85); font-family: ...
Edit Copy Delete	2	7	14	PUMPKIN SEEDS	Wonderland Foods	320	349	<span style="color: rgb(51, 51, 51); font-family: ...
Edit Copy Delete	3	7	14	SUNFLOWER SEEDS	Nourish Organic Foods Pvt Ltd	175	180	<span style="color: rgb(88, 88, 88); font-family: ...
Edit Copy Delete	4	7	14	MUSTARD SEEDS	IndianJadiBooti.	150	199	<span style="color: rgb(0, 0, 0); font-family: &qu...
Edit Copy Delete	5	7	15	CUSTARD APPLE SEED	Agribegri	450	498	<span style="color: rgb(0, 0, 0); font-family: &qu...
Edit Copy Delete	6	7	15	GUAVA FRUIT SEED	Real Seeds Pvt ltd.	190	198	<p style="margin-bottom: 0px; text-align: justify;...
Edit Copy Delete	7	7	15	KIWI FRUIT SEED	Real Fruit PVT LTD.	610	900	<span style="color: rgb(33, 33, 33); font-family: ...
Edit Copy Delete	8	7	16	CASTOR SEED	IndianJadiBooti .	885	899	<span style="color: rgb(50, 50, 50); font-family: ...

Console

Figure 6.1.4 is a product table. Here admin can view what are the products available in application with their details like category, name and price before discounting and after discounting.

6.1.5 SUBCATEGORIES

	id	categoryid	subcategory	creationDate	updationDate
Edit Copy Delete	13	7	CASH SEEDS	2020-05-14 01:50:56	14-05-2020 02:30:05 AM
Edit Copy Delete	14	7	CEREAL SEEDS	2020-05-14 02:39:05	NULL
Edit Copy Delete	15	7	FRUIT SEEDS	2020-05-14 03:03:23	NULL
Edit Copy Delete	16	7	OIL SEEDS	2020-05-14 03:21:30	NULL
Edit Copy Delete	17	7	VEGETABLE SEEDS	2020-05-14 03:29:20	NULL
Edit Copy Delete	18	8	BIO FERTILIZER	2020-05-14 03:42:50	NULL
Edit Copy Delete	19	8	ORGANIC FERTILIZER	2020-05-14 04:07:10	NULL
Edit Copy Delete	20	8	PHOSPHATE FERTILIZER	2020-05-14 04:16:05	NULL
Edit Copy Delete	21	9	FURTILIZER & PEST CONTROL	2020-05-14 04:31:57	NULL
Edit Copy Delete	22	9	HORVESTING	2020-05-14 04:53:14	NULL
Edit Copy Delete	23	9	IRRIGATION	2020-05-14 04:53:51	NULL
Edit Copy Delete	24	9	SOIL & CULTIVATION	2020-05-14 04:54:13	NULL
Edit Copy Delete	25	9	TRACTOR & POWER	2020-05-14 04:54:45	NULL
Console t Copy Delete	26	9	TRANSPORT TOOLS	2020-05-14 04:55:27	NULL

Figure 6.1.5 is a subcategories table. It has fields like id, category id, subcategory, creation date and date of updation.

6.1.6 USER LOGIN LOG

	id	userEmail	userip	loginTime	logout	status
Edit Copy Delete	1	chas18mca@cmrit.ac.in	0x3a3a3100000000000000000000000000	2020-05-21 13:07:04	21-05-2020 01:33:45 PM	1
Edit Copy Delete	2	chas18mca@cmrit.ac.in	0x3a3a3100000000000000000000000000	2020-05-21 13:56:27	21-05-2020 01:57:09 PM	1
Edit Copy Delete	3	chas18mca@cmrit.ac.in	0x3a3a3100000000000000000000000000	2020-05-21 14:02:41	21-05-2020 02:02:52 PM	1

Figure 6.1.6 is a user login log. Here admin will get the like which user has logged in to the application with their mail id, login time and logout time.

6.1.7 USERS

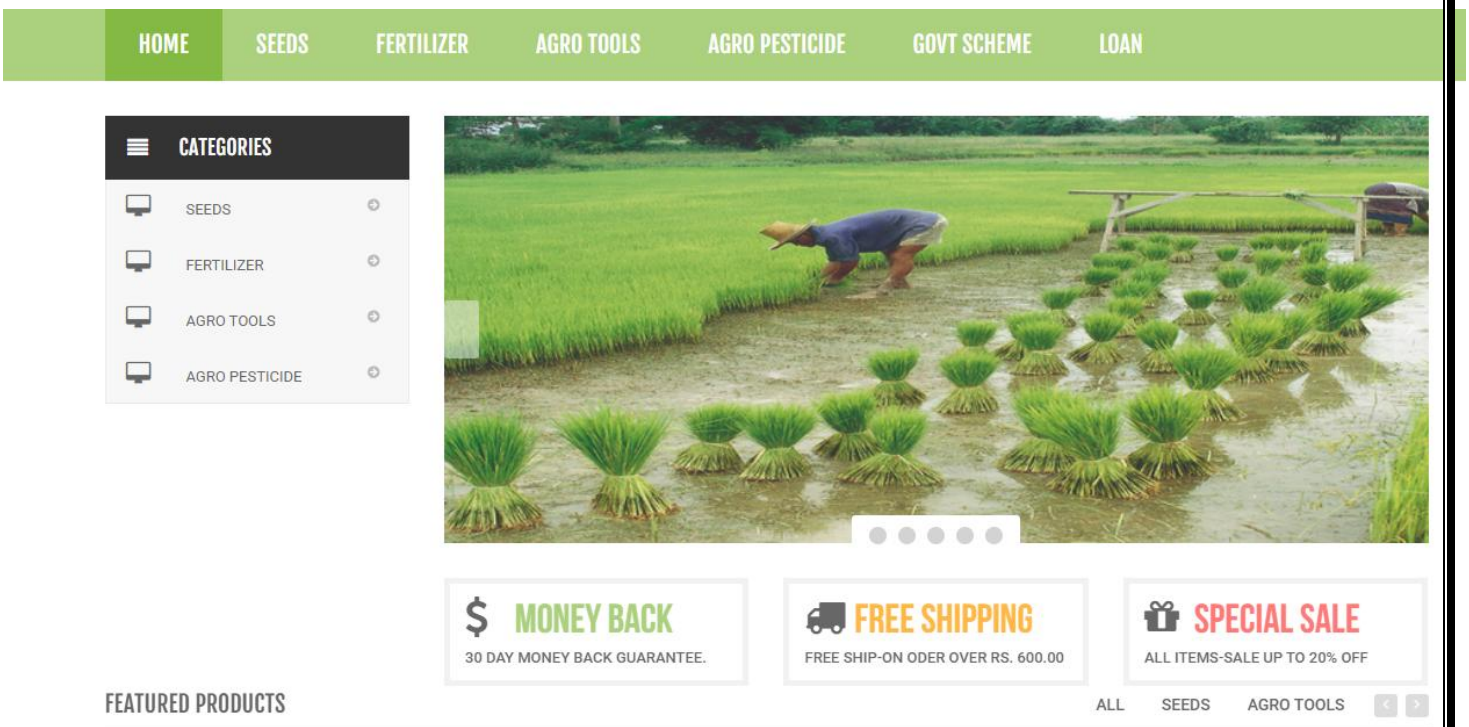
	id	name	email	contactno	password	shippingAddress	shippingState	shippingCity
Edit Copy Delete	1	Anuj Kumar	anuj.lpu1@gmail.com	9009857868	f925916e2754e5e03f75dd58a5733251	Bangalore	karnataka	Bangalore
Edit Copy Delete	2	Amit	amit@gmail.com	8285703355	5c428d8875d2948607f3e3fe134d71b4	Bangalore	Karnataka	Bangalore
Edit Copy Delete	3	hg	hgfhgf@gmass.com	1121312312	827ccb0eea8a706c4c34a16891f84e7b	Bangalore	Karnataka	Bangalore
Edit Copy Delete	4	Chaithra	chas18mca@cmrit.ac.in	9987752870	5e9d11a14ad1c8dd77e98ef9b53fd1ba	NULL	NULL	NULL

Figure 6.1.7 is a table of users with their personal details like name, email, and contact number.

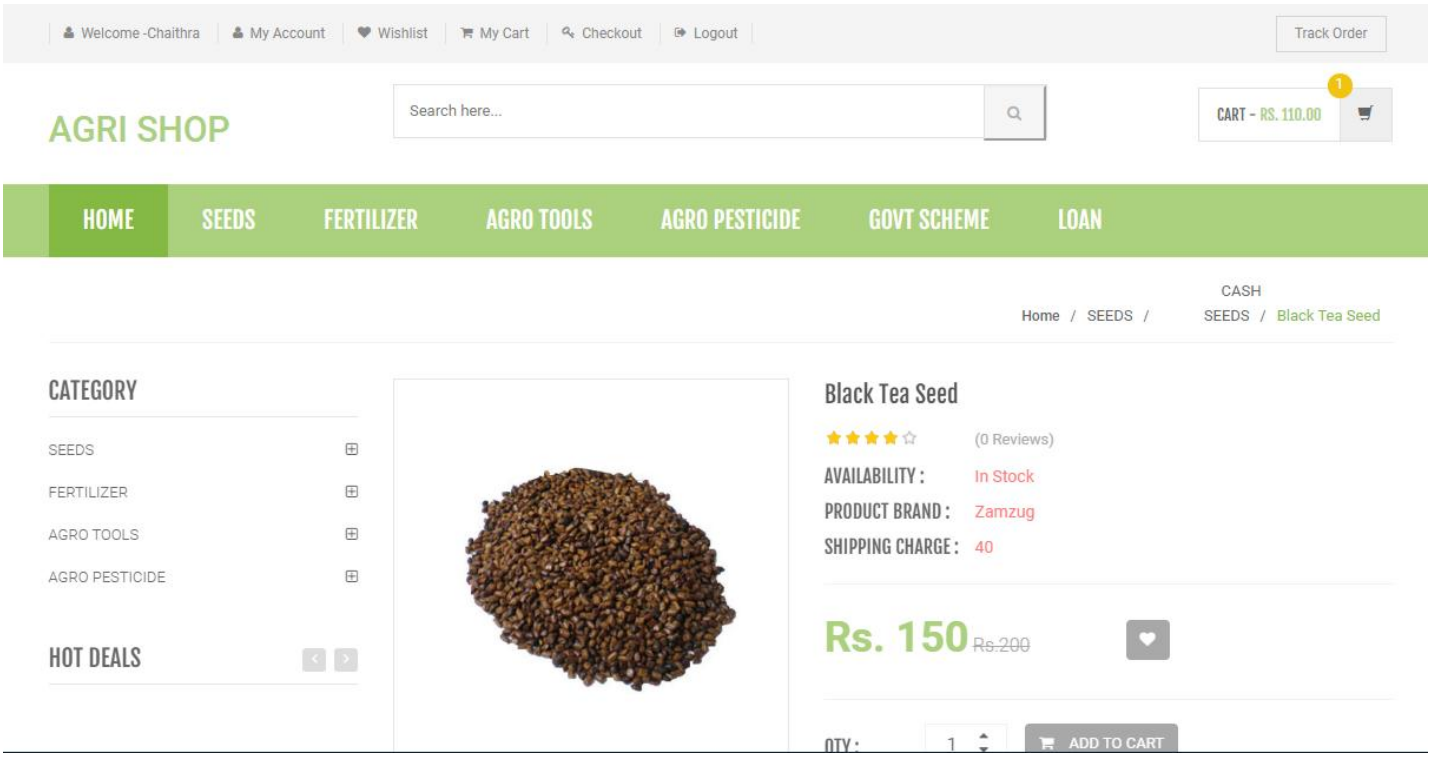
6.1.8 WISHLIST

	id	userId	productId	postingDate
Edit Copy Delete	1	4	19	2020-05-20 23:26:34
Edit Copy Delete	2	4	6	2020-05-21 13:14:26

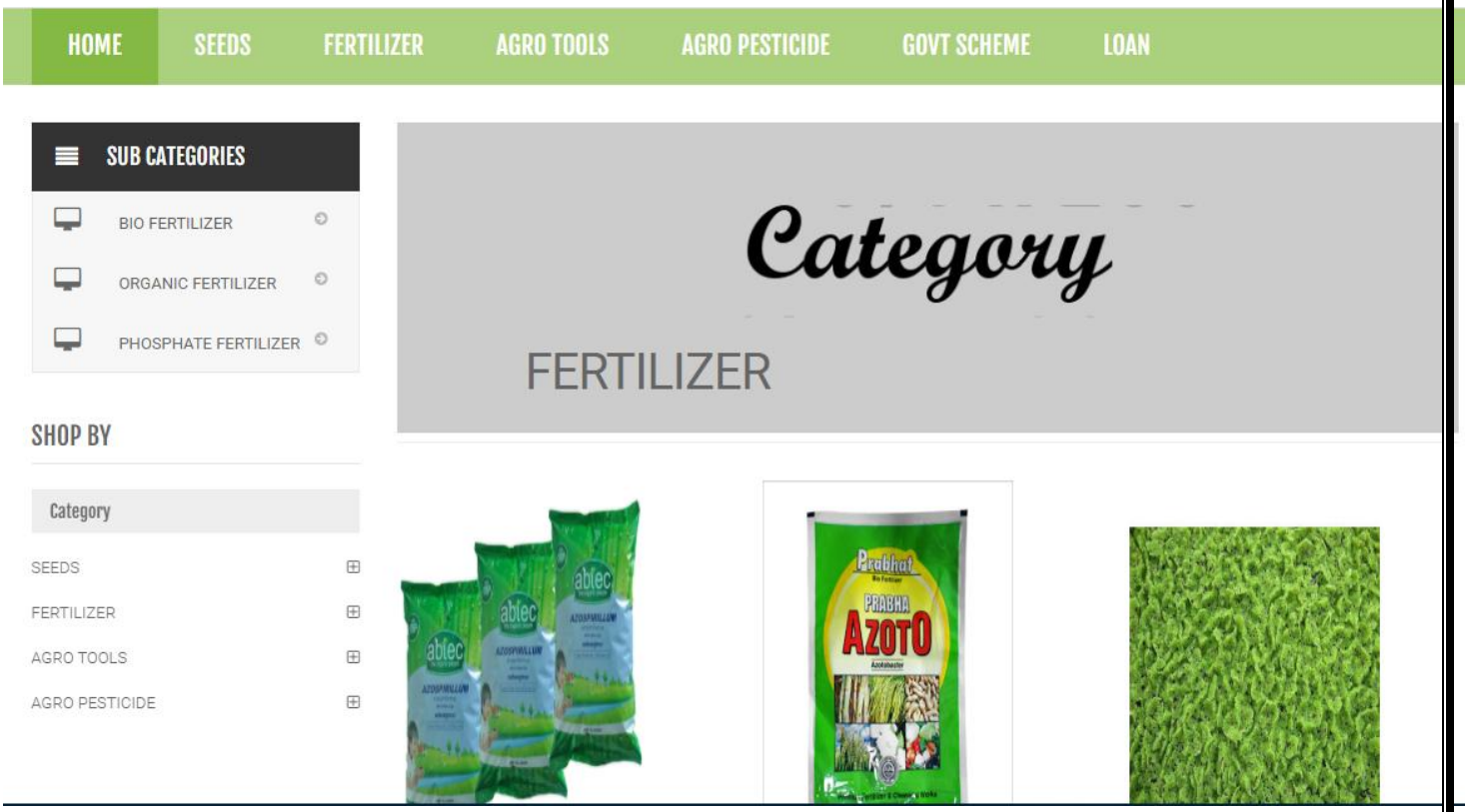
Figure 6.1.8 is a wish list table here the items with user id and product id which is liked by users will be there.



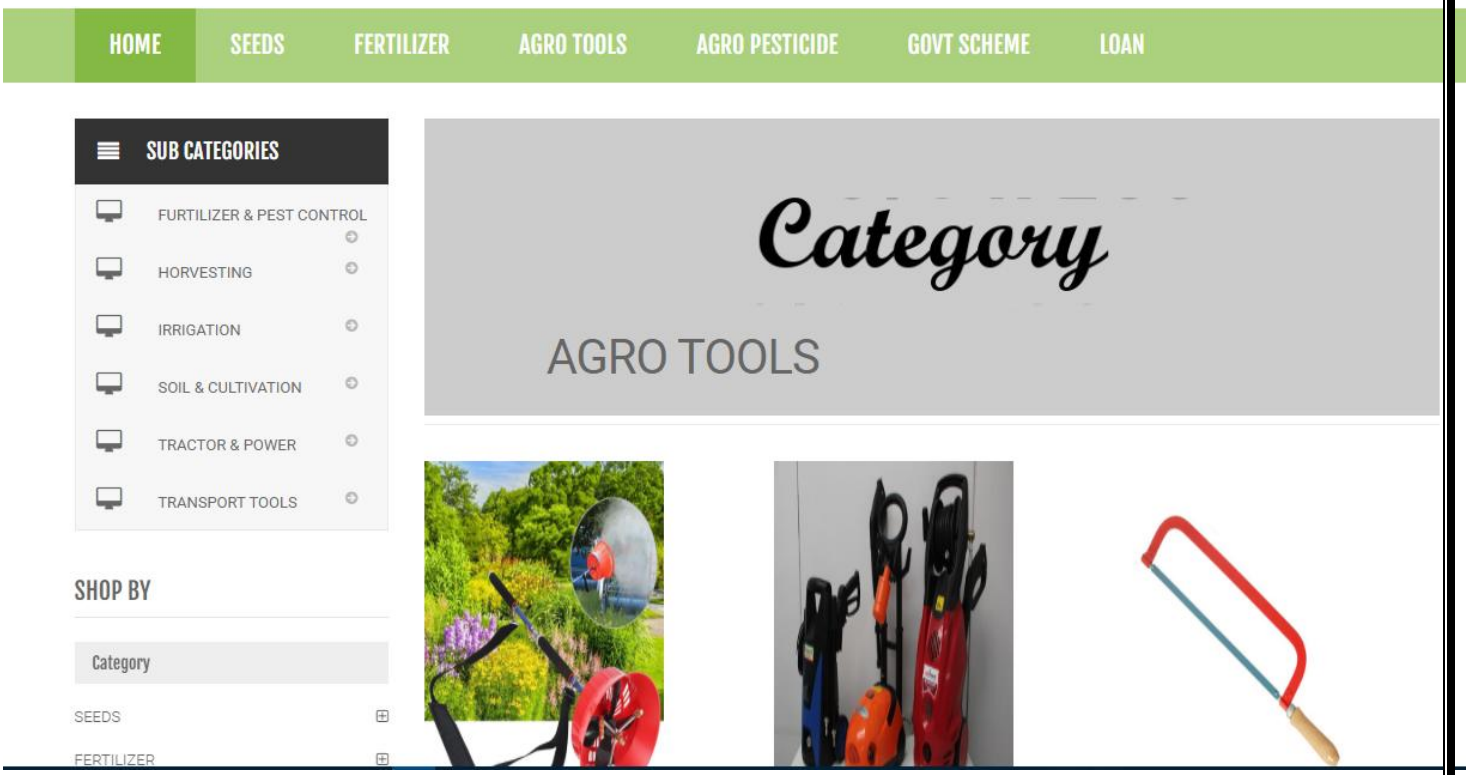
6.1.9 Homepage of the application



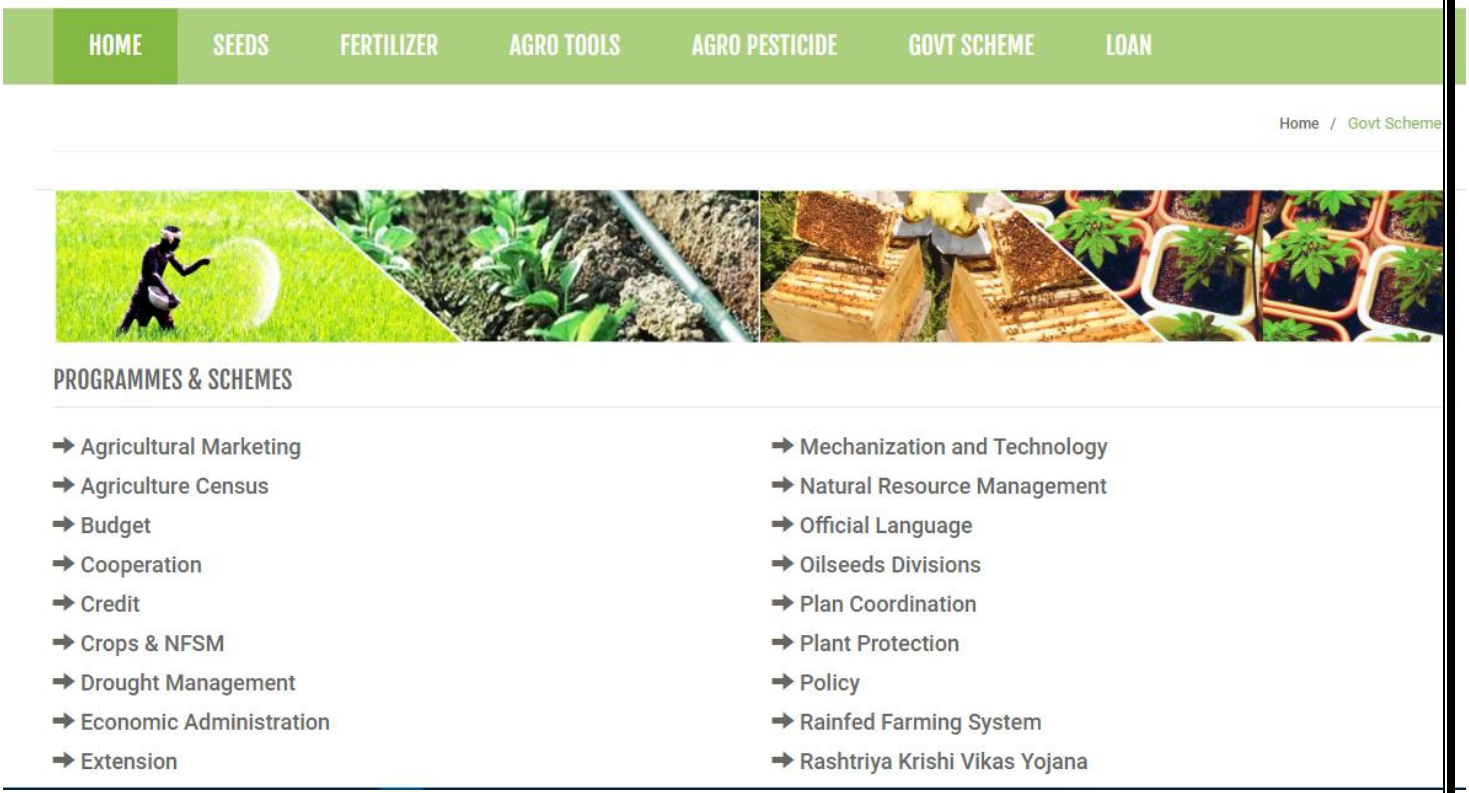
6.1.10 Selected seeds with its details



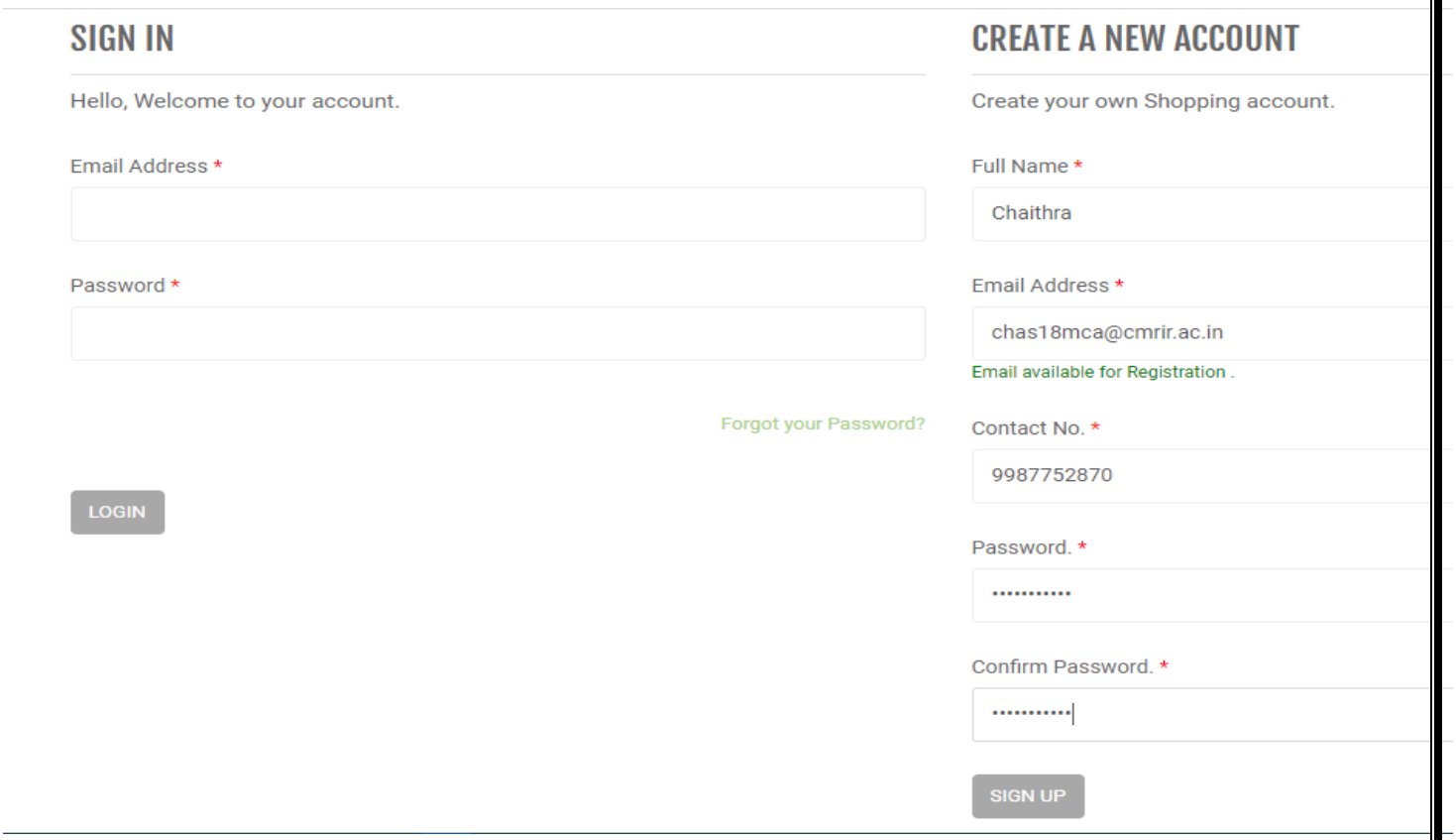
6.1.11 available list of fertilizers with its details



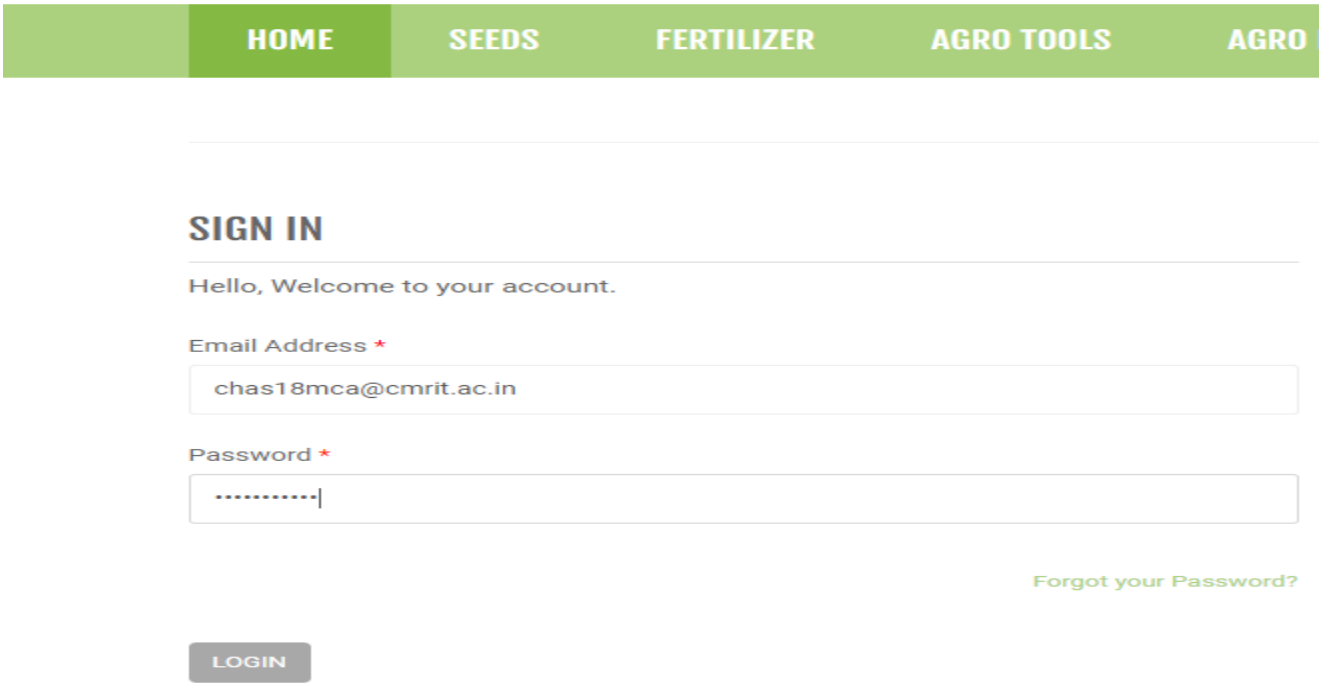
6.1.12 available list of agro tools with its details



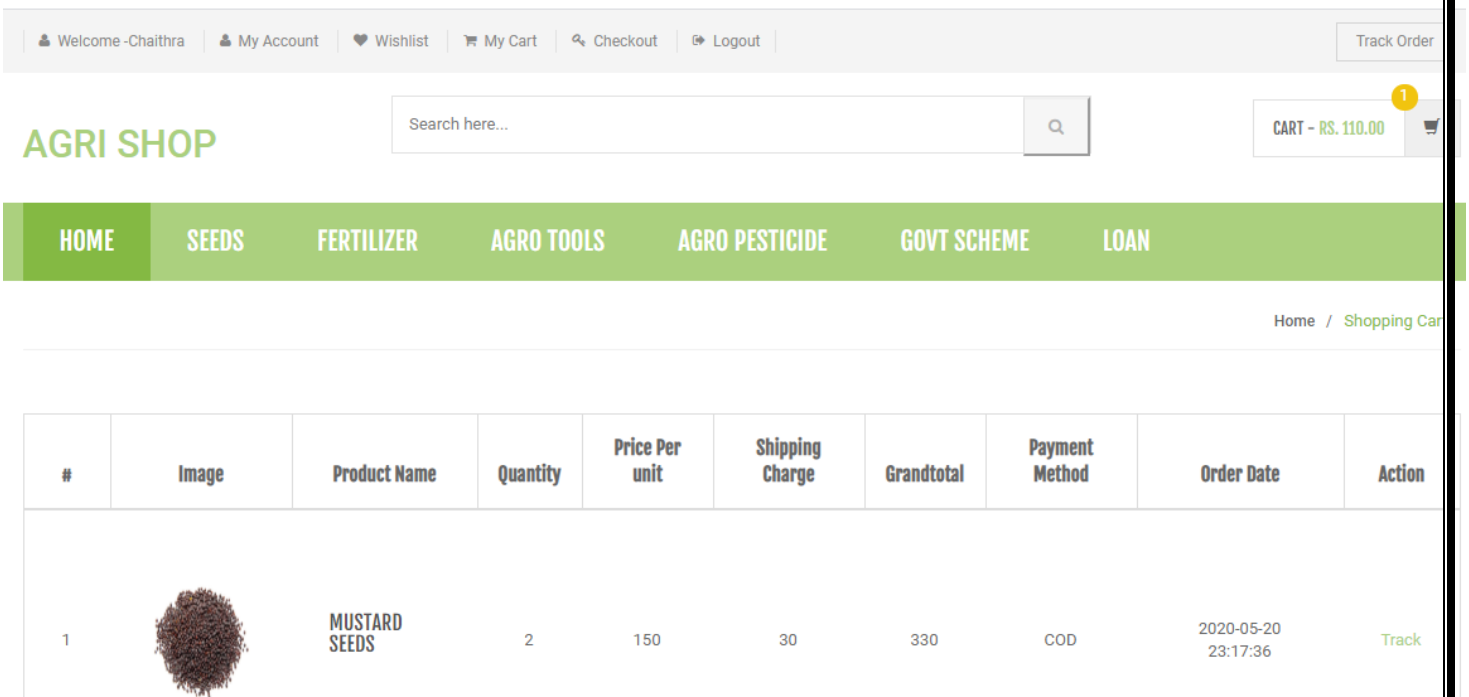
6.1.13 List of Government Schemes page



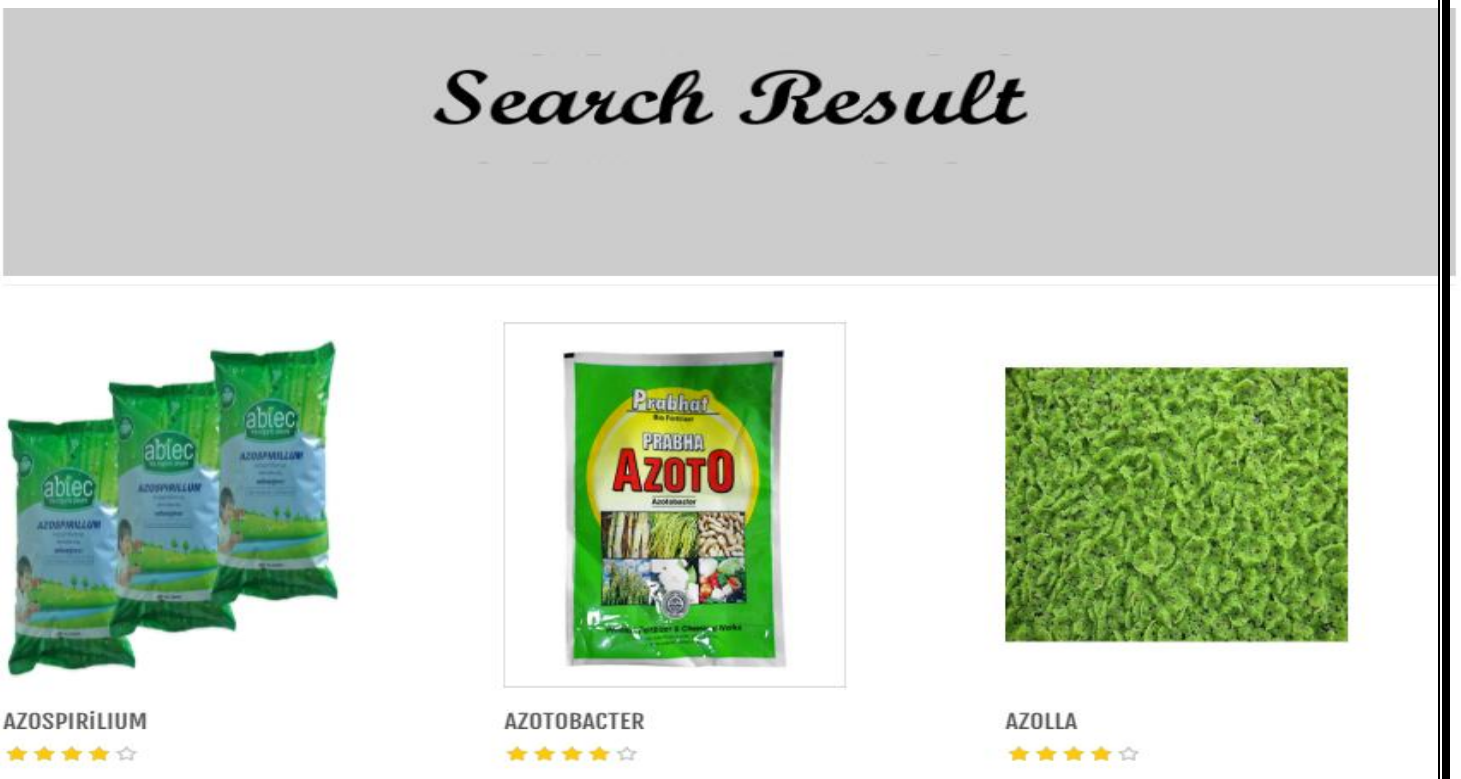
6.1.14 User registration or sign up page



6.1.15 User login page



6.1.16 details of the orderd items



6.1.17 results for items which is searched by the user

AGRI SHOP

Search here...

CART - RS. 110.00

HOME | SEEDS | FERTILIZER | AGRO TOOLS | AGRO PESTICIDE | GOVT SCHEME | LOAN

Home / Track your orders

TRACK YOUR ORDER

Please enter your Order ID in the box below and press Enter. This was given to you on your receipt and in the confirmation email you should have received.

Order ID

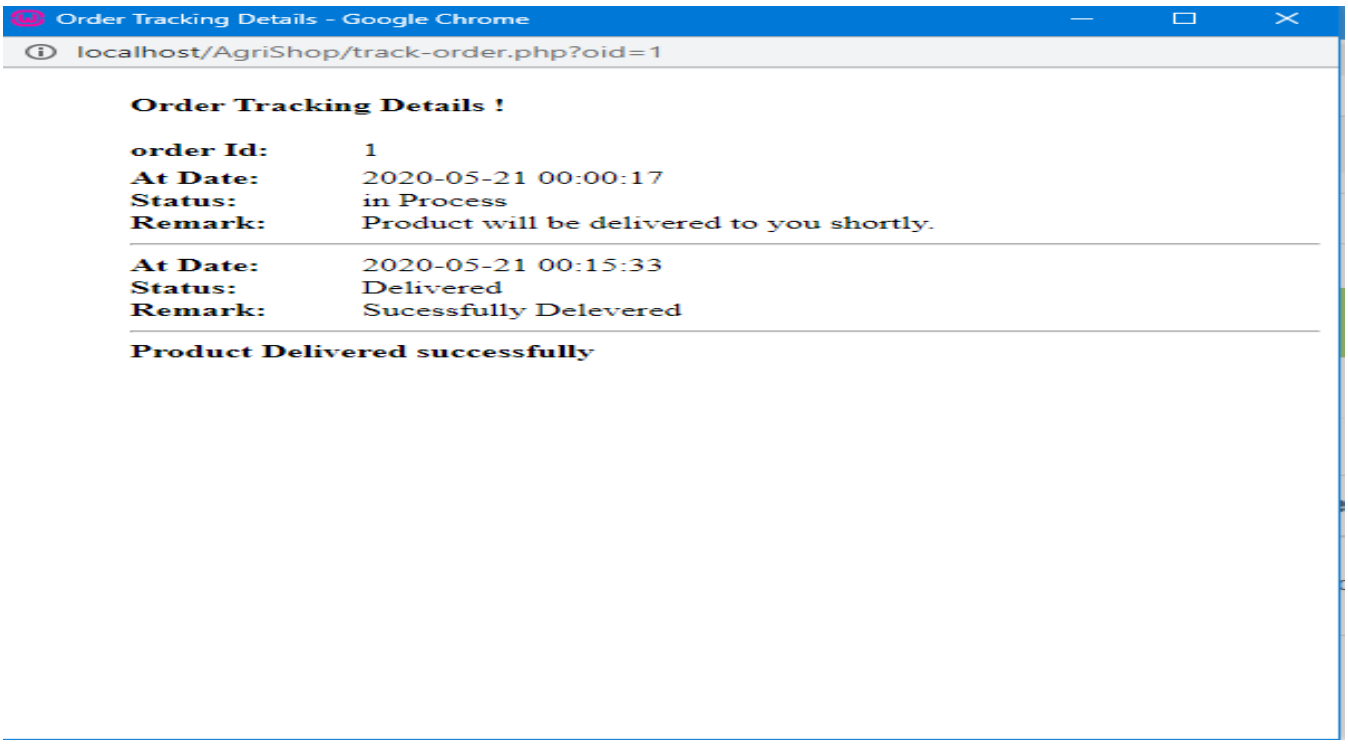
1

Registered Email

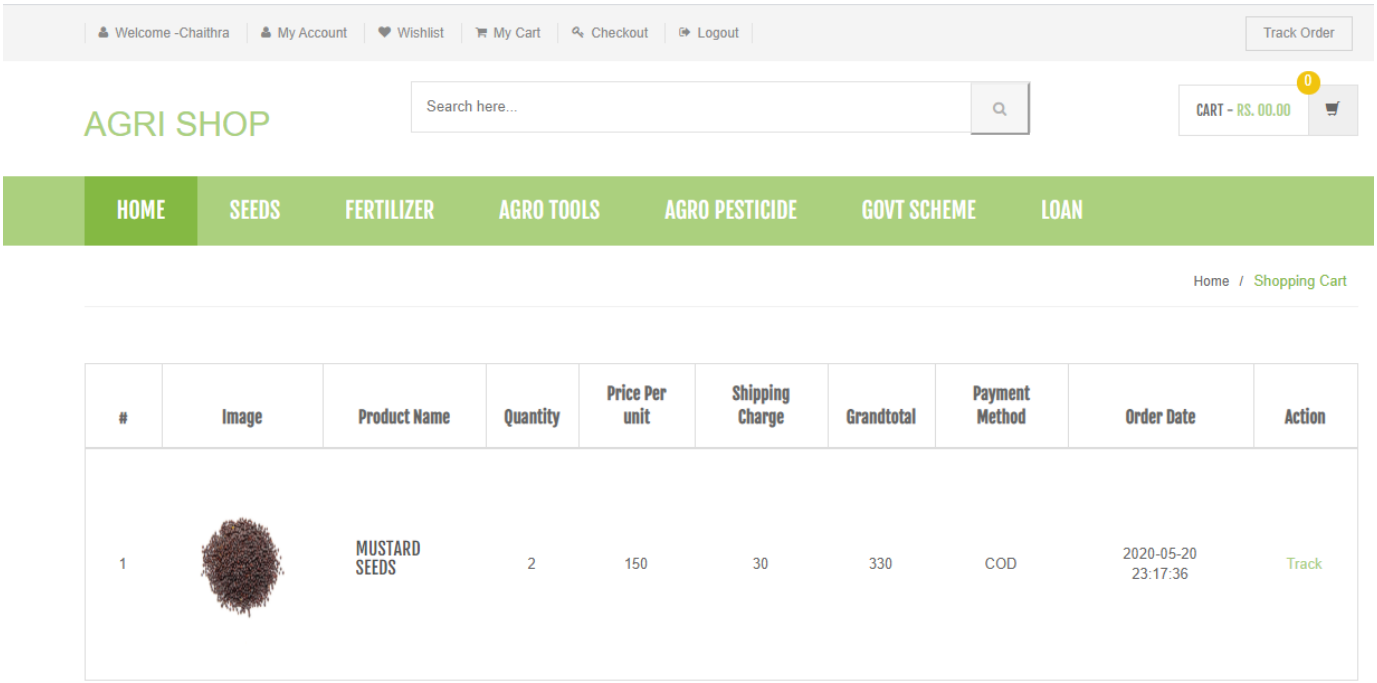
chas18mca@cmrit.ac.in

TRACK

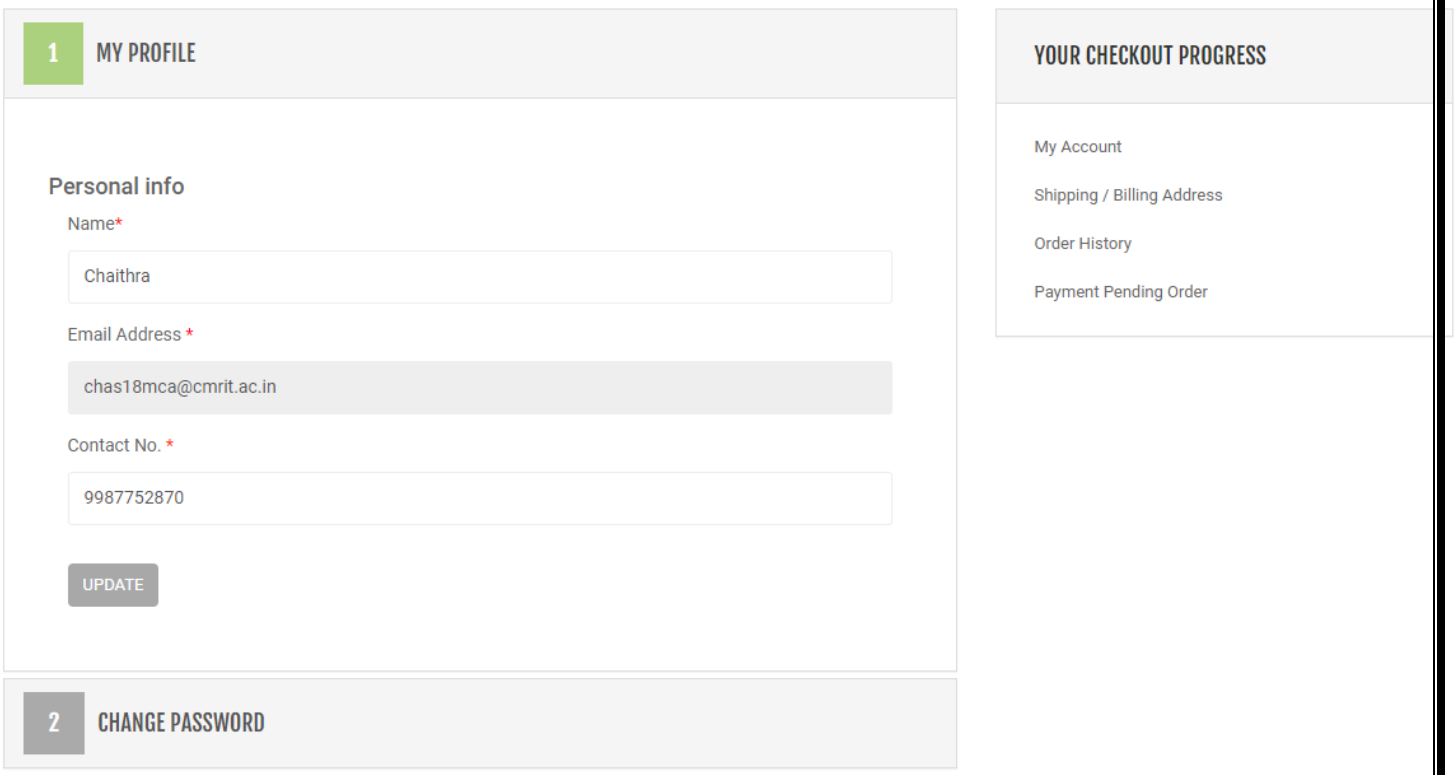
6.1.18 Users tracking the orders placed by the them



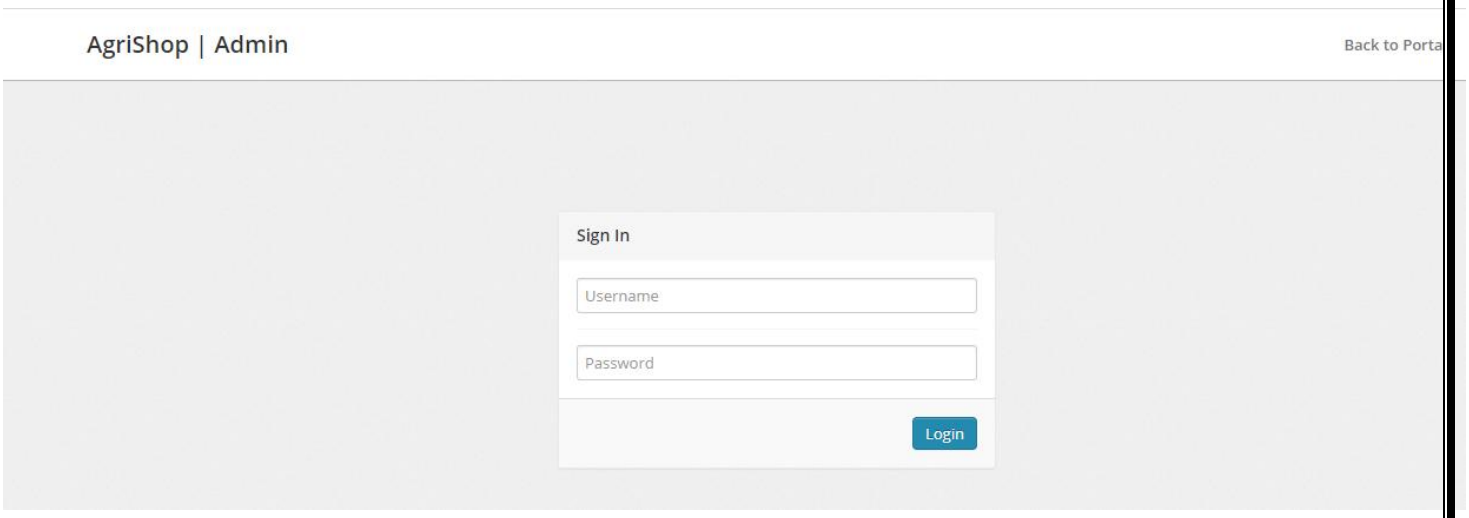
6.1.19 Order tracking details and its status



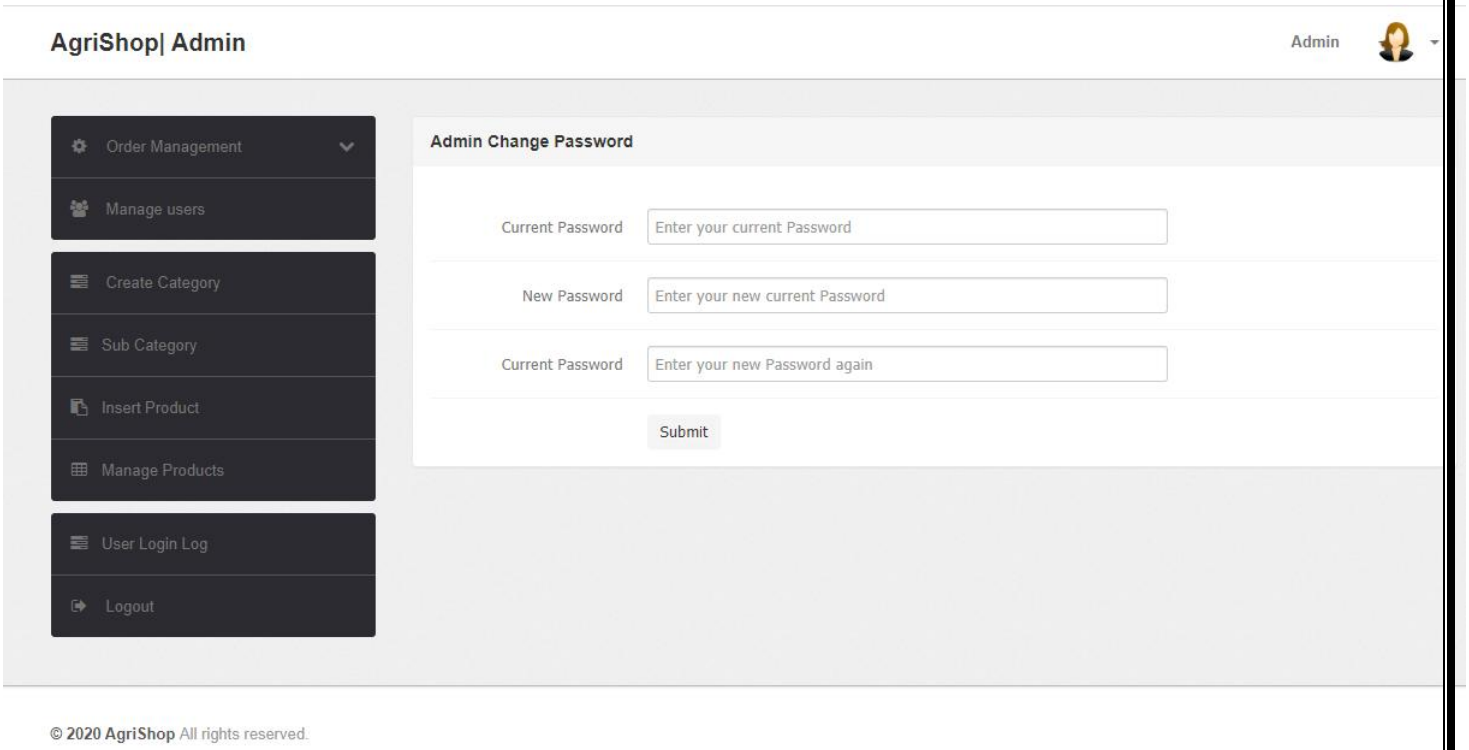
6.1.20 History of orders placed by user



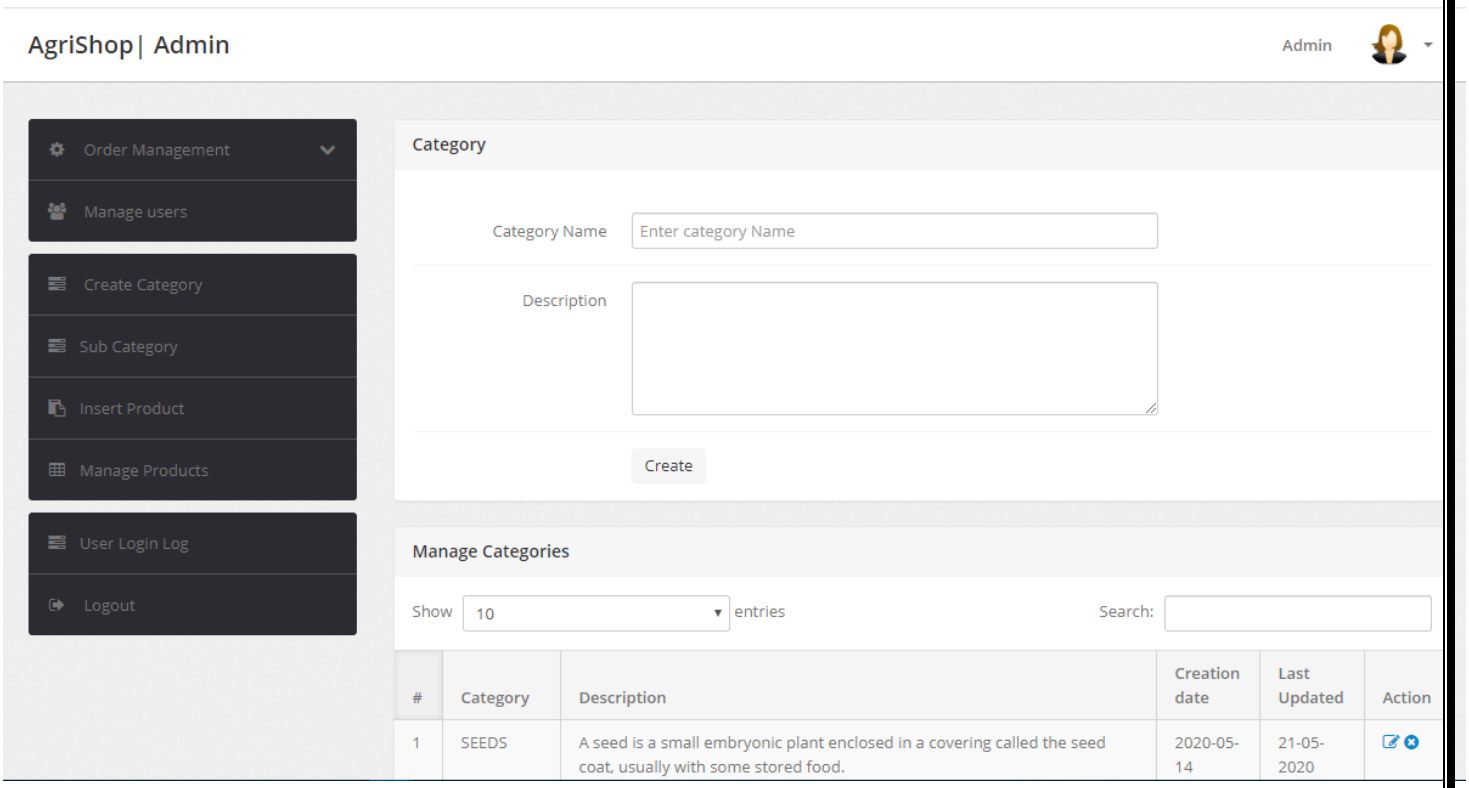
6.1.21 User profile form



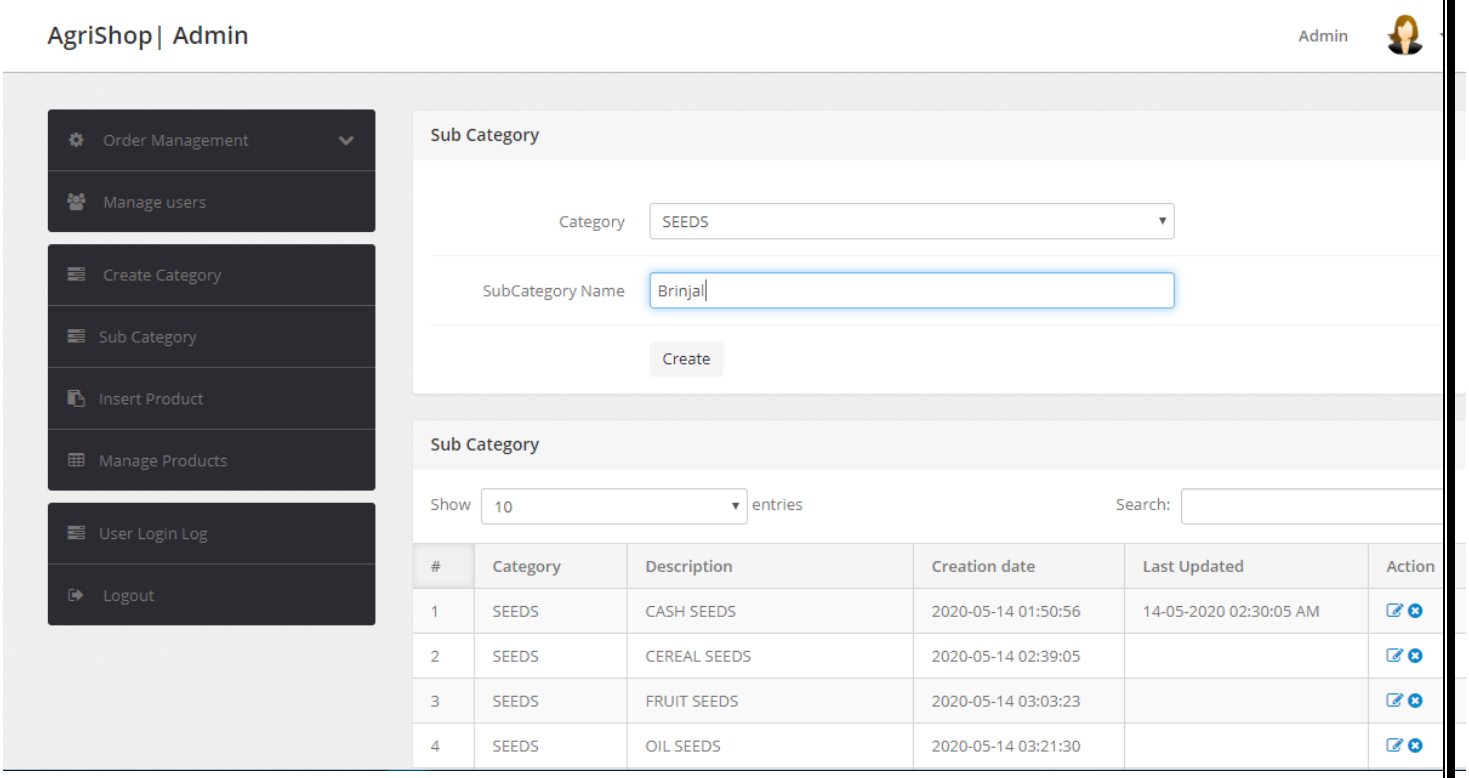
6.1.22 Admin sign in form



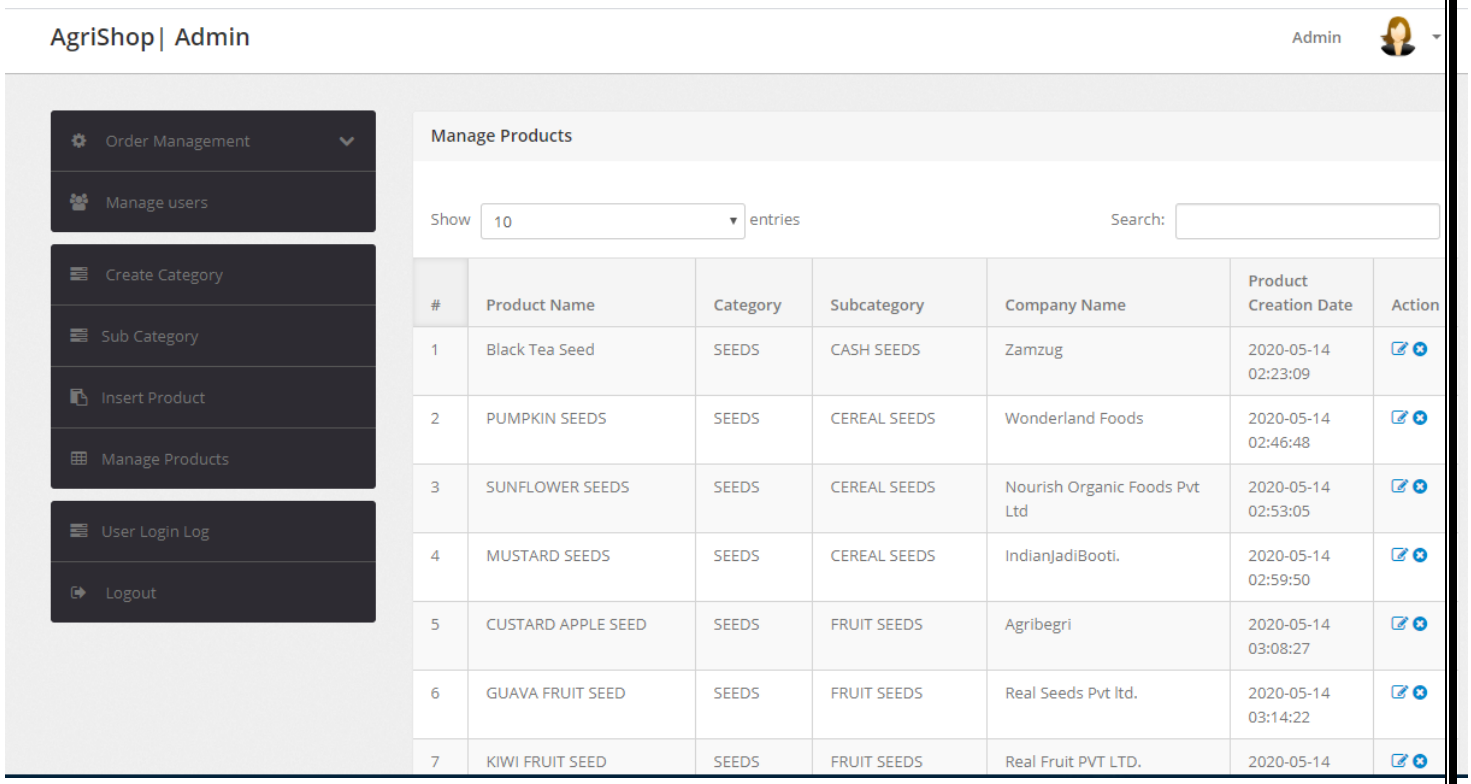
6.1.23 Home screen of admin



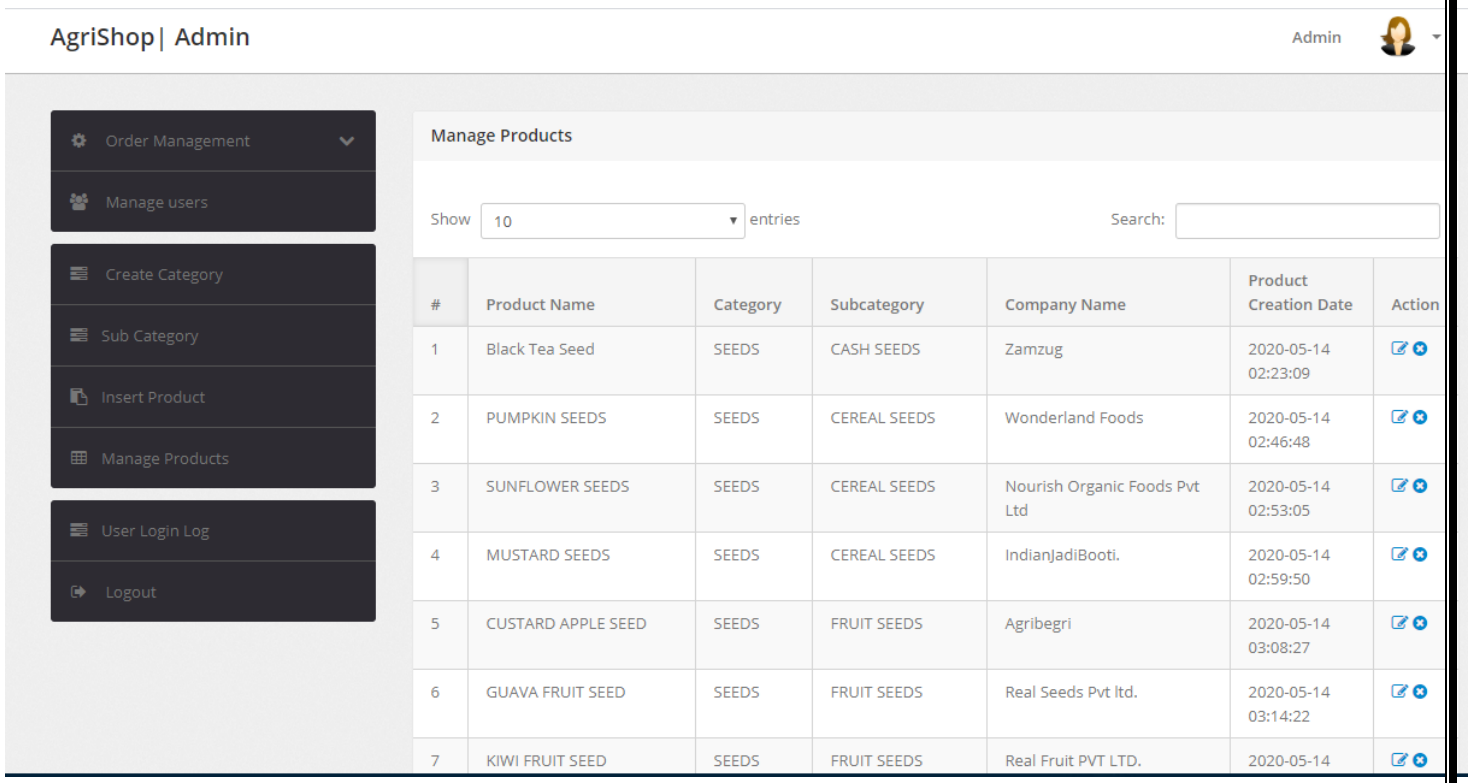
6.1.24 categories from admin side



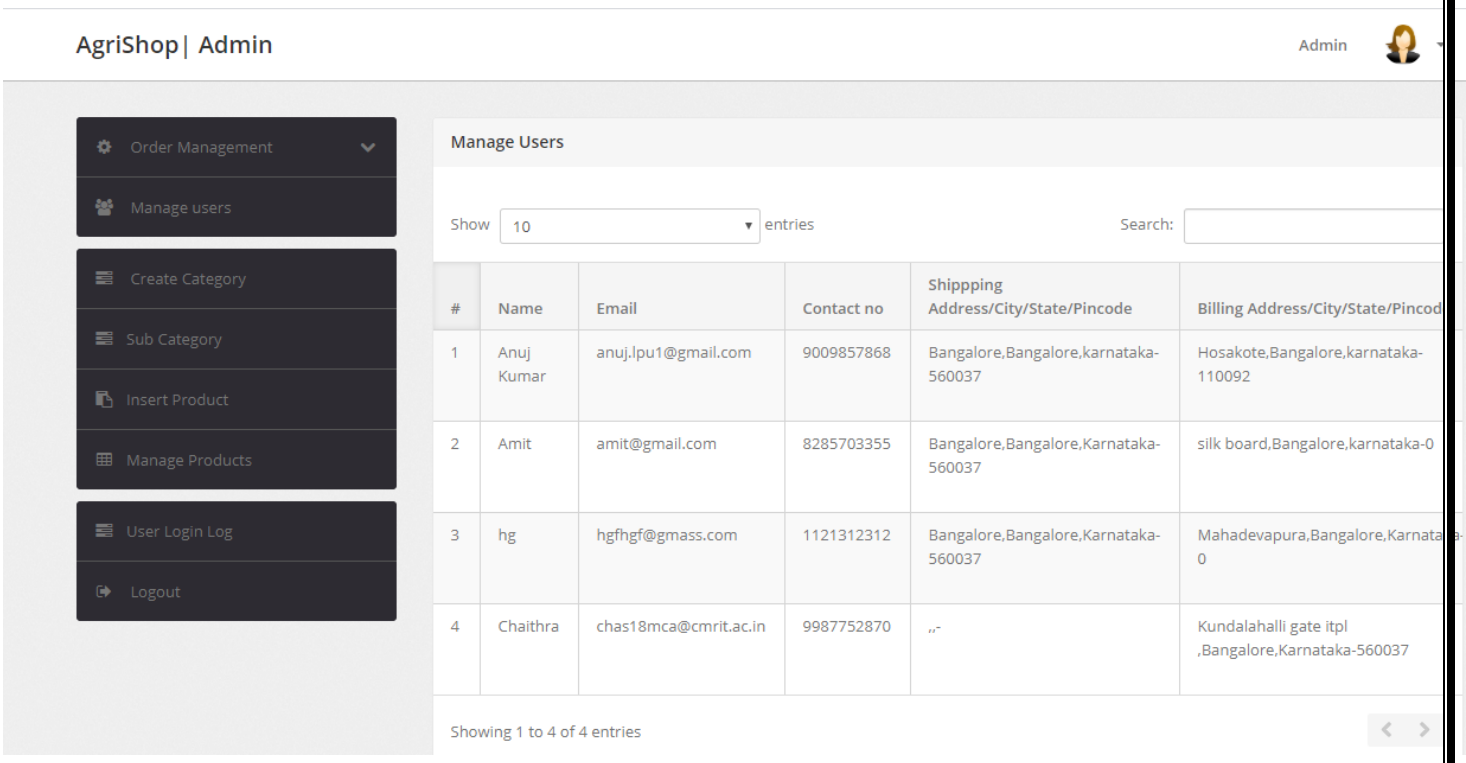
6.1.25 Sub-categories from admin side



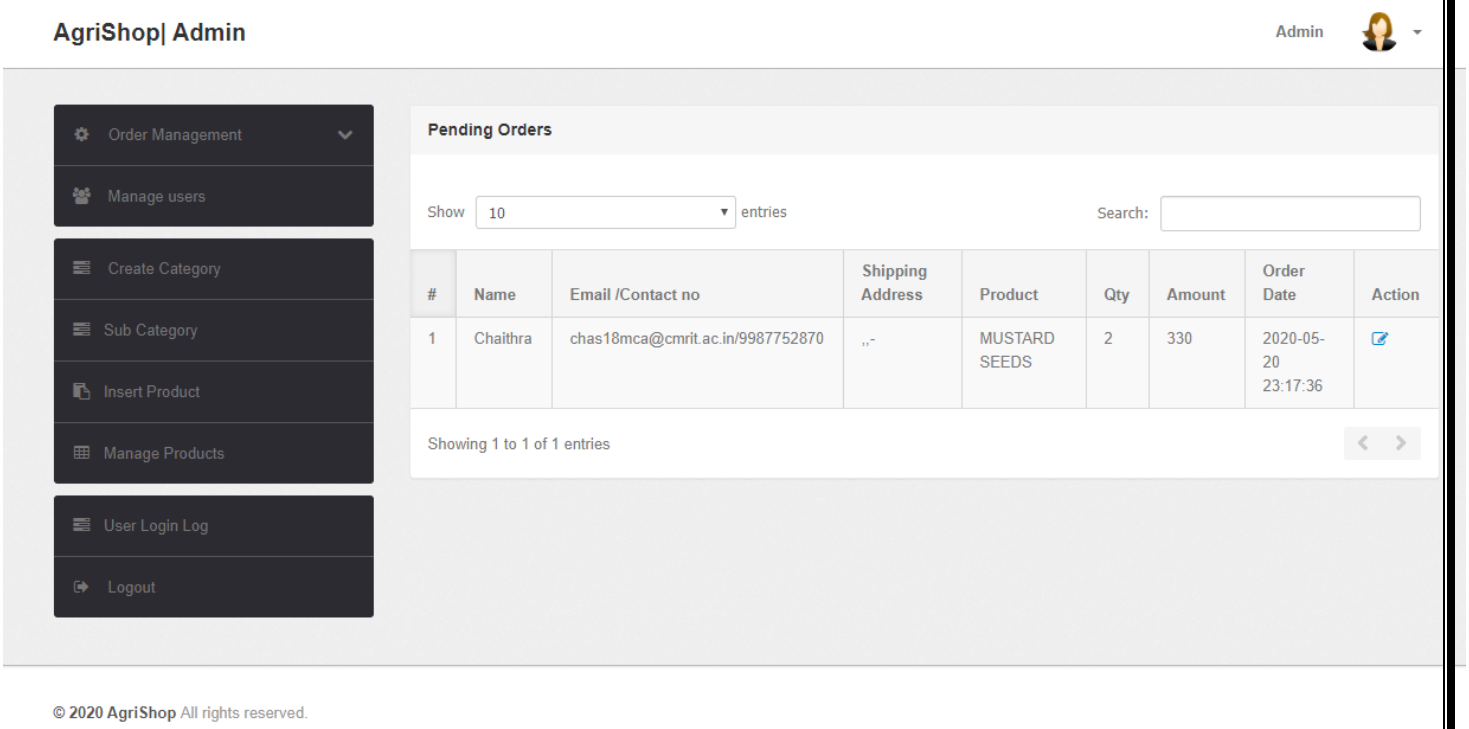
6.1.26 list of products and their details from admin side



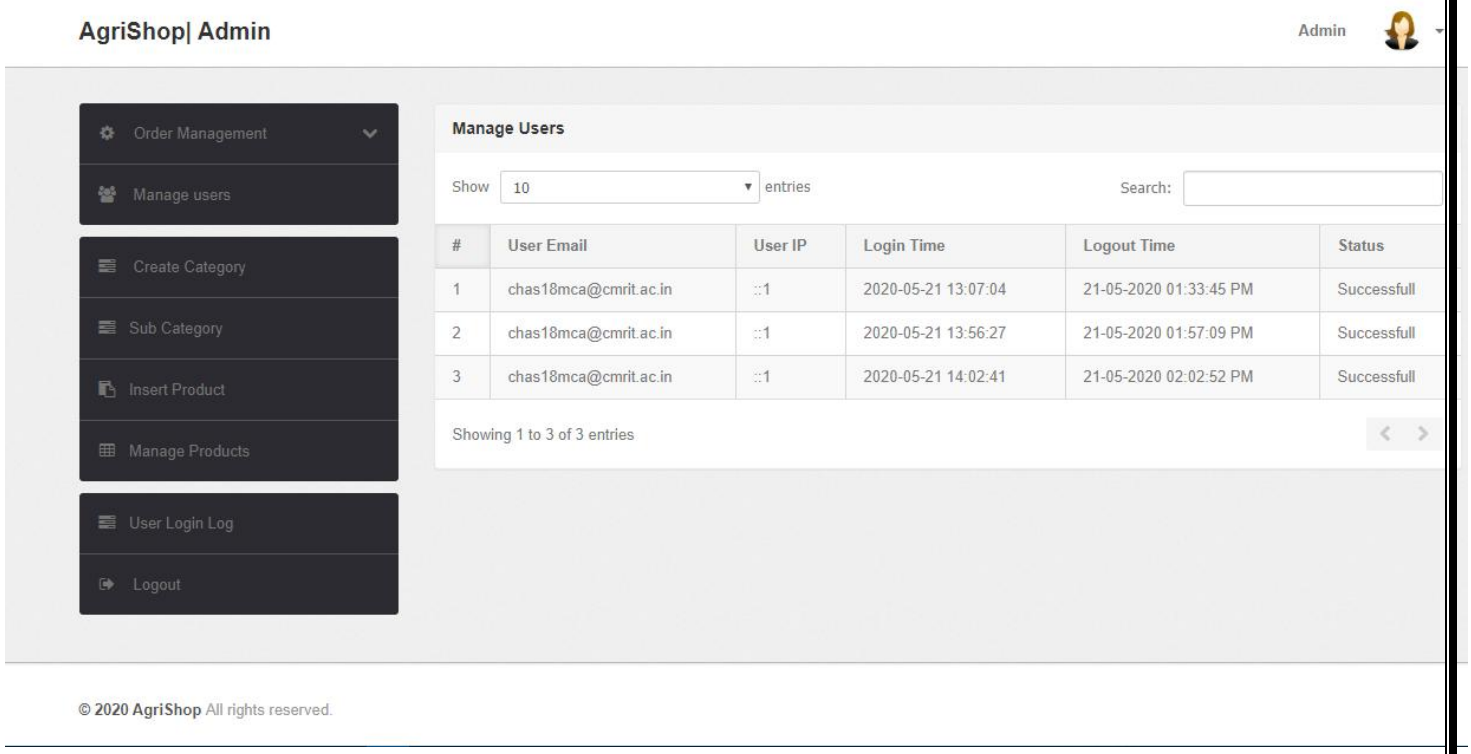
6.1.27 performing crud operations on products



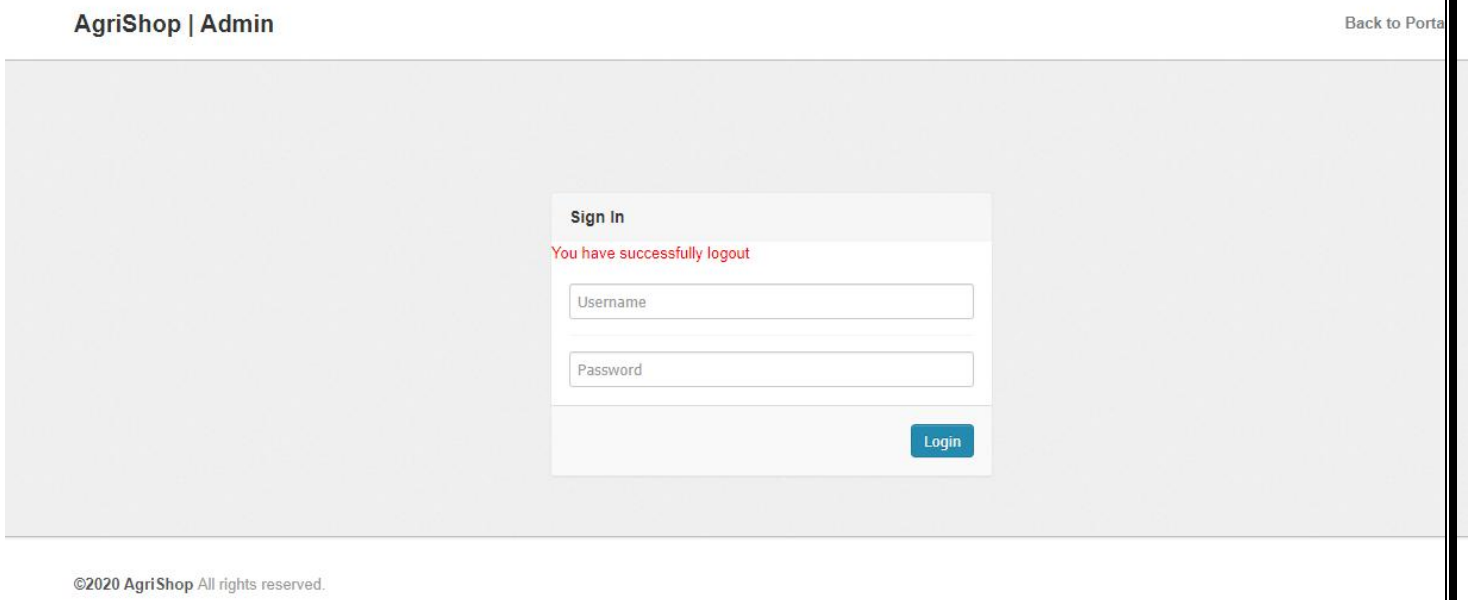
6.1.28 list of active users of the application



6.1.29 Order management page from admin side



6.1.30 User login log page from admin side



6.1.31 admin logout page

CHAPTER 7

SOFTWARE TESTING

This process includes the verifying of conclusive stage plan; it is verified to see whether the genuine result meets the normal result. It gives the best possible data to the customers regarding the quality and execution of the product; here application is confirmed and approved to check whether the product is free from errors.

VARIOUS TESTING LEVELS

- **Unit testing**: - it the basic and important step in the process of testing. Unit testing is something which is done without any doubt. It is testing method which is followed in the complex process of software testing. When the programmer develops application it should pass unit resting. The project will be divided into number of units, then each individual unit is taken and unit testing is performed on it.it is the process where tester will check whether the particular unit is functioning as per the expectation of the client and the programmer. If not that unit will be sent for reframing. Until and unless a unit passes this test project will not be preceded for future work.

- **Module testing**: - In the application each individual module is tested separately so that its functionality can be checked completely. It plays a major role and helps the tester to test the whether the functionality is as desired in the source code.

- **Integration testing**: - it is another variation in the testing process. A project after clearing the unit testing and module testing it enter a level called as integration testing. Here each unit is combined into modules based on the logic of the behavior. Then module is integrated into a single system. Integration testing is testing mechanism which tests the application is working correctly or not when all the modules are integrated as a single unit. Individual units may work correctly but when they are combined into a single unit it may not work as it is intended to work. To find such faults in the application integration testing plays an important role.

- **System testing: -** It plays an important role, this test tend check the overall functionality of the system. The complete and overall performance of the application can tested using this test. It checks whether the application behaves as specified in requirement phase of the application development.

- **Acceptance test: -** After the development of the application and passing all the above mentioned tests finally before installing it in clients office without a doubt it should pass mandatory test called Acceptance test. Here the customers will check whether the developed application will help to resolve the problems which he was facing earlier. If the customer did not get satisfied about the product then it cannot be approved.

VARIOUS TESTING STRATEGEIS

Behavioral Testing – it **i**s also referred as black box testing since here the behavior of the system is checked. It is one the test which is performed by tester during the development of an software in an organization. Basically here the testers will not have any idea of code used in the development. Testers will SRS document along with them during the process of testing they will check the functionality of the application is matching the functionalities which given in the SRS document. Here the functionality of the system id checked. Here tester's main focus is on getting correct output for the specified input.

Open Box Testing- It is otherwise referred as glass Box Testing, white box testing. It referred as white box testing the reason behind this is, here the tester will complete knowledge of the code which is used to develop the software. It is a kind of software testing technique, here code used for developing the application is known to the tester in prior of performing testing. The analyzer picks commitments to rehearse courses through the coding snippets and choose the correct outcome.

Dim Box Testing- it is a strategy to test the product item or application with fractional information on the inside operations of an application. The reason for this testing is to look for mal functionality which is happened because of inappropriate code structure or using the applications functionality in an undesired way.

Test case

These are the condition that verifies or contrasts the real outcome and the normal result which decides the product is approved, confirmed and error free. This includes some fields like Test case Id, Description, Actual result, Expected result and Status. Here field names are self explanatory, status is a field which tell whether the test case is passed or not.

Test Data

It is a field in test table. It is the input which is used to check whether the system gives the desired output or not.

Test Report

It is supposed to be experiments which contain definite portrayal of tests to be performs and it contains the information of real result from the product or an application which is contrasted and the normal result that outcomes showing a status whether the experiment is pass or not passed.

Description

Description tells how to perform the testing that is how to compare the resulted output with the expected output. It is a procedure which makes the testing easier.

Test Case Header:

Application Name: AgriShop

Technique Applied: Decision Table

Test Case Body:

Registering/ login in test cases

Testcase_id	Description	Procedure	Expected output	Actual output	Status
TC_01	Admin login	Navigate to login page and give the username and password	Displays admin home page	Displayed admin's Home page	Pass
TC_02	User registering to the application	Go to the sign up page and enter the details which is asked in the page	Successfully registered msg should be displayed	displayed Successfully registered msg	Pass
TC_03	User login	Go to the user login screen and enter the registered user name and password	Home page is displayed	Displayed Home page	Pass
TC_04	Login with incorrect details	Go to the login screen and enter user name and password	Error msg should display	Displayed error msg like invalid username or password	Pass

Test cases for operations performed by admin

Testcaseid	Description	Procedure	Expected output	Actual output	Status
TC_05	Create new category	From admin panel click on add category and give the required details	Displays a msg like category added successfully	Displayed a msg like category added successfully	Pass
TC_06	Create new product	From admin panel click on add product and give the required details	Displays a msg like product added successfully	Displayed a msg like product added successfully	Pass
TC_07	Modify the details of the existing product	From admin panel click on manage product and give the required details	Displays a msg like product updated successfully	isplayed a msg like product updated successfully	Pass
TC_08	Delete the products	From admin panel click on manage product and then delete	Displays a msg like product deleted successfully	Displayed a msg like product deleted successfully	Pass

Test cases for operations performed by user

Testcaseid	Description	Procedure	Expected output	Actual output	Status
TC_09	put items to my cart and wish list	From application select the items and press add to cart and like it	Chosen product will be moved to shopping cart and wish list	product moved to shopping cart and wish list	Pass
TC_10	track the order	From application select the track order option and enter id and registerd mail	Details regarding shipping should display	Displayed details regarding shipping.	Pass
TC_11	View government schemes and loans	From application select the government schemes, loans page	Details regarding the selected page should display	Displayed details regarding the selected page	Pass

Test case footer

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CHAPTER 8

CONCLUSION

Agri Shop is an e-commerce site created to support the ranchers and future individuals who are keen on cultivating, in present time there is a huge decline in cultivating and food creation which prompts food emergency, Agriculture is one of the mail pillar for all the nations on this earth. Agri Shop fills in as a rancher inviting site which gets well known and for the most part utilized when individuals think about the estimation of food and horticulture gets mainstream.

Agri Shop facilitates the client who knows nothing regarding farming, development, agricultural products. In this application client will receive point by point data related to the item that is utilized in cultivating to get great yield

As referenced before this site as rancher cordial, it includes the office of leasing the farming hardware for development of yields, the gear like harvester, tiller, bug sprayer and so forth it could be leased in an hourly way. In the event that a client is new to cultivating he will get total method for utilizing the gear and why, when and how the hardware to be utilized to get a decent yield.

Agri Shop is not only e-commerce site but also it is like a web page which gives the data of the government plans and facilities from both the legislature and private manages an account with low financing costs, Agri Shop assumes significant job in teaching the both urban and provincial side ranchers.

In overall view idea of the Agri Shop is to minimize the effort which is invested in to field of agriculture and makes the process easier and efficient by providing various facilities. This project entirely concentrates on the poor community of agriculture because they are stepping behind form adopting them to the modern way of doing agriculture because of a single reason which money. This application is allowing farmers to rent the tools which are required for farming rather than purchasing themselves. It provides some knowledge about the various schemes which is introduced for the betterment of farmers by our government and also it throws some light on loans which is given to especially farmers and their growth in the society at low interest rate from various public and private banks.

CHAPTER 9

FUTURE ENHANCEMENT

- We can open offices in every village, executive in that office can help farmers in using this application who does not the basic knowledge which is required to use application.
- It can be made to a mobile app so that every can able to use this application with minimum requirements.
- Another module can attached to the application where farmers can do sell their products through the application. So that he will get the correct price and end users can get good quality product when compared to the present system.
- There should be a option of using the application in various native languages.
- Interface can be made much more user friendlier
- No of products on application can be increased so that it will match each and every requirement of agriculture
- One more module can be attached which includes present market rates for the products
- It can provide different payment options
- Performance of the application can be made much better in terms of loading time.
- It could be developed in other programming languages like java so that the application could be platform independent.
- Application can be uploaded to the server so that customers can access it remotely.

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