A project report on

IMAGE BASED APPRAISAL
OF
REAL ESTATE PROPERTIES

Submitted in partial fulfillment of the requirements for the

Award of the degree of

Master of Computer Applications

Visvesvaraya Technological University
Belgaum, Karnataka

Submitted By

Abhinesh Kumar
1CR18MCA50

CMR INSTITUTE OF TECHNOLOGY

132, IT Park Road, Kundalahalli, AECS Layout Bangalore -560037

2019-2020

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM -590 018

"Image Based Appraisal
Of
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Under the Guidance of

Internal Guide   **External Guide**

Dr. V Ilango   **Mr. Raghavendra**

Professor, MCA Department   Project Manager

CMR Institute of Technology   Blitz Technologies

Bangalore   Bangalore

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CMR INSTITUTE OF TECHNOLOGY
Department of Master of Computer Applications,
Bangalore-560037

CERTIFICATE

This is to certify that the project work entitled

IMAGE BASED APPRAISAL OF REAL ESTATE PROPERTIES

Submitted in partial fulfillment 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

ABHINESH KUMAR
1CR18MCA50

During the academic year 2019-2020

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_____   _____   _____

Signature of the Guide   **Signature of the HOD**   **Signature of the Principal**

Dr. V Ilango   **Prof. Gomathi. T**   **Dr. Sanjay Jain**

Professor, MCA Dept.   HOD, MCA Dept.   PRINCIPAL, CMRIT

<u>External Viva</u>

Name of the Examiners   Signature with date

1.

2.

BLITZ TECHNOLOGY

CERTIFICATE

This is to confirm that **Mr. Abhinesh Kumar** of **CMR Institute Of Technology, Bangalore** with **USN: 1CR18MCA50** has successfully undergone the Project work.

We would like to take this opportunity to congratulate you on the successful completion of your Project in our company.

The duration of Project internship was carried from **Feb 2020 to May 2020** under the guidance of our team manager .

Project Entitled **"Image Based Appraisal of Real Estate Properties"**
Affiliation with us was very fruitful and satisfactory in his destiny activities…!!!

Regards,

Raghavendra

DECLARATION

I**, Abhinesh Kumar,** Student of 6th Semester MCA, CMR Institute of Technology, Bearing USN 1CR18MCA50 hereby declare that the Project Work entitled "Image Based Appraisal of Real Estate Properties " has been carried out by me under the supervision of External guide **Mr. Raghavendra** Project Manager and under the guidance of internal guide **Dr. V Ilango**, Dept. of Master of Computer Applications, CMR institute of Technology, and this internship Work is submitted in the partial fulfillment of the requirements for the award of the degree of Master of Computer Applications. By the Visvesvaraya Techno logical University during the academic year 2019-2020. This report has not been submitted to any other Organization/University for any award of degree or certificate.

Date: Abhinesh Kumar
Place: Bangalore   1CR18MCA50

ACKNOWLEDGEMENT

I would like thank to all those who are involved in this Endeavour for their kind cooperation for its successful completion. At the outset, I wish to express my sincere gratitude to all those people who have helped me to complete this project in an efficient manner.

I offer my special thanks to my external project guide Mr. Suresh M, Project In charge, Blitz Technologies Co. Ltd, Bangalore, and to my Internal Project guide Mr. Ilango V Department of MCA, CMRIT, Bangalore without whose help and support throughout this Internship would not have been this success.

I am thankful to **Dr. SANJAY JAIN**, Principal, CMRIT, and Bangalore for his kind support in all respect during my study. I would like to thank Mr. Raghavendra, Project Manager, Blitz Technologies Co. Ltd, Bangalore who gave opportunity to do this Internship at an extreme organization Most of all and more than ever, I would like to thanks my Head Of the Department **Prof. Gomathi T** along with Teaching Staff & family members for their warmness, support, encouragement, kindness and patience. I am really thankful to all my friends who always advised and motivated me throughout the course. .

Date: Abhinesh Kumar
Place: Bangalore   1CR18MCA50

CHAPTER 1
INTRODUCTION

1.1 Project Description

These days, slant examination or sentiment mining is a hotly debated issue in AI. We are stills far to recognized the conclusion of s corpus of writings precisely as results of the multifaceted natures in the English idiom and notably more in the event that we consider different dialects, for examples, Chinese. In this venture we attempted to show the essential method for grouping tweets into positive or negative class utilizing Naive Bayes as standard and how language models are identified with the Naive Bayes and can create better outcomes. We could additionally improve our classifier by attempting to separate more highlights from the tweets, the flower-patterned bequest examination, which is the way toward assessing the cost for land properties, is urgent for both purchases and merchants as the reason for arrangement and exchange. it indicated land in the entirety of its structures represents about 20% of the monetary movement. Consequently, precise expectation of land costs or the patterns of land costs help governments and organizations settle on educated choices. Then again, for the vast majority of the common laborers, lodging has been perhaps the biggest cost. A correct choice on a house, which vigorously relies upon their judgment on the estimation of the property, can assist them with setting aside cash or even make benefits from their interest in their homes. From this point of view, land examination is additionally firmly identified with individuals' lives. Thrust examines from both domain industry and the scholarly community has arrived at the resolution that land esteem is firmly identified with property foundation, traffic, online client audits, etc. By and large talking, there are a few unique sorts of examination esteems. Specifically, we are keen available worth, which eludes to the exchange value a serious Walrasian closeout setting. Today, individuals are probably going to exchange through land agents, who give simple access online sites to perusing land in an intuitive & helpful manner. From the demonstration, we realize that a run the mill bit of posting on a land property will present the foundation information in content for the house alongside certain photos of the house. Ordinarily, a purchaser will take a gander photos towards get a all-purpose thought of the general possessions in a chose region afore construction his best course of action. Customarily, both land industry experts and specialists have depended on various variables, for example, financial file, assets era, times past exchange and locality condition [5], etc evaluate cost. To be sure, these components have been end up being identified with the house value, which is very hard to gauge and delicate to a wide range of human exercises. Along these lines, specialists have committed a lot of

exertion in building a powerful house value file. What's more, quantitative highlights including Area, Year, Stores, Rooms and Center are additionally utilized to assemble neural system models at assessing house costs. In any case, pictures, which are presumably the most significant factor on a purchaser's underlying dynamic procedure, have been overlooked in this procedure. This is in part because of the way that visual substance is hard to decipher or evaluate by PCs contrasted and individuals. remark habitually can't do a pictures justices. One preferred position with pictures and recordings is that they demonstration like general dialects. Individuals with various foundations can without much of a stretch comprehend the primary substance of a picture or video. Lowing area examines the work that will be actualized with future arrivals of the Web Application.

1. To start with, not all understudies are dynamic on Twitter, so we may just locate the ones who are increasingly dynamic and bound to uncover their contemplations and sentiments. Additionally, understudies' consciousness of character the board online may build extra time. Maybe the "control" of individual picture online ought to be taken into contemplations in future exertion.

2. Second, we just distinguished the noticeable topics with generally huge number of tweets in the information. There is an assortment of different issues covered up in the "long tail". A few of these issues might be of incredible enthusiasm to instruction specialists and professionals. Future work should be possible to plan progressively advanced calculations so as to uncover the concealed data in the "long tail".

3. As a rule, manual examination is tedious not just as a result of the time spent on dissecting the real information, yet in addition the time spent on cleaning, sorting out the information, and adjusting the organization to fit the calculations. We intend to fabricate an apparatus dependent on the work process proposed here consolidating online networking information and perhaps understudy scholarly execution information.

4. Conceivable future work could investigate understudy's produced content other than writings (for example pictures and recordings), via web-based networking media destinations other than Twitter (for example Facebook, Tumbler, and YouTube). Future work can likewise stretch out to understudies in different majors and different organizations. Attempting various types of highlights, tuning the parameters of the credulous Bayes classifier, or attempting another classifier all together however, nearness of the considerable

number of substances in fair-minded and equivalent way is important to give precise outcomes. To comprehend the powerful parameters that impact the outcomes, semantic highlights are likewise helpful from point perspective on the substance itself. Twitter based informal communities give an extraordinary stage in estimating the general sentiment with the sensible precision.

1.2 COMPANY PROFILE

Blitz Technology is a fond of elastic, pioneering, specialize in IT Consultancy and sustain for tiny to middle enterprise and confidential users we cover be proactively sustaining consumers from the time when 2008. Contribution a gigantic collection of check we be capable in the direction of provide on behalf of the entire of our patrons desires. We shore up a spacious collection of patron's base every single one above integrated sovereignty. Our awareness production in Microsoft, Linux and Citrix Server technology. Our technicians endow with Microsoft network shore up on all window platforms from together with Microsoft switch over. This enables us to construct custom-made solution amid augmented stiffness.

Blitz Technology center itself scheduled four key in morals: prohibitive examination; exploit scientific originality; submission admirable patron overhaul with punctual 24/7 ostensible shore up.

We review our Patrons

We accept as true to "Patron is the emperor" next to Blitz Technology, we significance our patrons along with accordingly exertion in a stretchy background used for software progress route which preserve be straightforwardly in the swing of things as apiece clients' necessities. Sky-scraping superiority effort is a precondition for all mission we embark on, seeing that we reflect on that "all calendar day count". And why not, we be on familiar terms with that a cheerful and contented patron ensure our accomplishment, a enduring rendezvous, and a explanation to generate more business!

We mull over in reputation

Attempt to endow with top-notch repair, we until the end of era do your utmost to endow with eminence exertion and mull over "all crack count". Admirable furthermore unswerving eminence at squat outlay is the key in to achievement in outsourcing dealing; and we fasten to the nitty-gritty. Organism a CMMI ML 3 corporation, inferiority reassurance is an inborn measurement of each mission we embark on.

We appraisal our inhabitants

Inhabitants are the mainstream imperative benefit in progression technology manufacturing. We deem that a idyllic member of staff contemporaries a cheerful patron. As a consequence, we conscript connoisseur engineers, brush up them and endow with a stirring backdrop which expedites their taken as a whole augmentation furthermore boost their feat.

CHAPTER 2
LITERATURE SURVEY

Composing outline is the hugest development in programming improvement process. Before working up the instrument it is essential to choose the time factor, economy and companions quality. At the point when these things are satisfied, ten resulting stages are to make sense of which working structure and language can be used for working up the gadget. At the point when the product engineers start creating the instrument the designers need package of peripheral assistance. This assistance be capable of be gotten on or after superior engineers, from manuscript or on or after destinations. Ahead of construction the structure the exceeding idea are considered for working up the anticipated scheme.

2.1 Existing and Proposed System

The existing system and proposed system are required for any project development.

Existing system

Ebb and flow explore from both home industry and the scholarly world has arrived at the resolution that land esteem is firmly identified with property foundation, traffic, online client audits, etc. For the most part talking, there are a few distinct sorts of examination esteems. Specifically, we are keen available worth, which alludes to the exchange value a serious walrasian closeout setting Traditionally, both land industry experts and analysts have depended on various components, for example, monetary list, house age, history exchange and neighborhood condition, etc to appraise the cost. Without a doubt, these variables have been end up being identified with the house value, which is very hard to gauge and delicate to various human exercises. The present calculations are 1). Relapse Models and 2). Profound Walk. Relapse model has been utilized to dissect land value file. As of late, the outcomes. Appearance that meager can acquire superior execution land positioning. Hence, we decide to utilize LASSO which is a l1-obliged relapse model, as one of our gauge calculations. Profound Walk is another method for utilizing arbitrary strolls for solo element learning of diagrams. The fundamental methodology is roused by circulated word portrayal learning. In utilizing Deep Walk, we additionally use -neighborhood diagram with similar locales by means of the chart worked aimed at producing successions in lieu of b-LstM. The educated highlights additionally taken care. For sure, deep walk canister is implicit as a more straightforward assortment of our calculation, somewhere just the diagram structures are

engaged to acquire highlights. System utilize equally the diagram edifice & different highlights, for example visual traits, for building regression model.

Disservice:

•   The existing framework is very hard to gauge and touchy to a wide range of human exercises. There are parcel of troublesome works have been finished with the current frameworks to gauge the quantity of components, for example, monetary record, house age, history exchange and neighborhood condition.

•   Current explores from both home industry and the scholarly world has arrived at the resolution that land esteem is firmly identified with property foundation, traffic online client Reviews, etc.

Proposed system

We plan to utilize the photos for the errand of land value guesstimate. We need to discern whether pictorial highlights, are an impression of land assets, can benefit gauge the land cost. Instinctively, if visual highlights can portray a property in a manner like people, we ought to have the option to evaluate the house highlights utilizing those visual reactions. In the interim, land properties are firmly identified with the area. In this work, we create calculations which just depend on 1) the fellow citizen data 2) ascribes from representations to gauge land assets cost safeguard the nearby connection amid assets we utilize a innovative methodology, utilizes irregular strolls produce dynasty arrangements. At this time construction the irregular tread diagram, just areas of assets exist used. Thusly, the issue of land examination stood changed keen on a succession awareness issue. Intermittent neural Network (.RNN.) is especially intended take care of arrangement related issues. As of late, RNNs have been effectively applied to testing errands including machine interpretation, picture inscribing, and discourse acknowledgment. Roused accomplishment of Rnn, convey Rnn to acquire relapse copies on the changed issue. Fundamental commitments of our effort are as per following: as far as we could possibly know, the leading towards evaluate effect of filmic substance land value guesstimate. Trait chance of our effort to the recently structured PC visualization calculations, specifically ConvolutionaL NeuraL NetworkS (.CNNs.). utilize irregular strolls to produce asset arrangements as indicated by the areas of each house. Along these lines, we can change the issue into a novel grouping expectation issue, which can safeguard the connection amid asset. Utilize the unusual recurrent neuralnetworks to foresee land assest and accomplish exact outcomes.

Bit of leeway:

• A picture merits a thousand words. One favorable position with pictures and recordings is that they demonstration like widespread dialects. In lieu of the certain assets portraits, individuals undoubtedly obligate a general sentiment of the asset, for example general development flair, how the adjoining condition resembles. Significant flat ascribes hard to be portrayed

• Map Based Location data are most usually viable than the review in crude subtleties. The most exact subtleties can be seen in straightforward advances

• The proposed calculations are powerful than the current calculations, for example, LASSO and Deep Walk.

2.2 FEASIBILITY STUDY

The motive this practicability reflects approximately anticipates dissevering the gauging budget of a speculation, trade charge with an all-purpose prearrangement of the task. At the spike of structure exploration, the probability homework drive varnishes the enterprise. This is not dense to the firm at the stint of performance their anticipated scheme chore. In the past using the probability revision we have to realize about the foremost necessities.

There are Four crucial contemplations continuous in the prospect analysis be

- Economical-Feasibility.
- Operational-Feasibility.
- Social-Feasibility.
- Technical -Feasibility

2.2.1 ECONOMICAL-FEASIBILITY

This practicability is completed just before usage the currency allied conclusion which will be affected to the association involvement. Our striving is to crisscross what quantity of magnitudes of belief that the counsel can fill the enhancement and exploration. By expending our venture the scheme will be bland so no prerequisite to uneasiness around the scheme that the facts will be altered by somebody else and cut the recuperating of the indicators. So convalescing diplomacies will be stress-free. So we have to advance the scheme bestowing to the benefactor's financial plan.

2.2.2 OPERATIONAL-FEASIBILITY

Our scheme affords En-crypt ion and De-crypt ion of a vital. Conveyance a crucial entreaty and reception crucial maneuvers will propel unrestricted crucial and furtive key. This maneuver will be thru concluded the miasma. By exhausting an internet amenity the De-crypt ion crucial will be lead to e-mailing, with the aid of an algorithm the edifice can retracting the stratagem maneuvers.

2.2.3 TECHNICAL-FEASIBILITY

This probability is to breakdown the real-world phases and real-world provisions of the structure. Offered methodological remedies will not require a great mandate in our scheme enlargement and this is an unassertive obligation. In our scheme, we use a stratagem and then the hard-ware, soft-ware provisions for emerging and executing a scheme.

2.2.4 SOCIAL-FEASIBILITY

This scheme training will be glancing the rejection neck and neck of the scheme. This exercise of the progression will be philanthropic the drill for the handler just how to habit the scheme proficiently. Our scheme will be auxiliary the safekeeping of a scheme, it drive afford the acquaintance to the unrestricted in what way to vulnerable our files and illuminate how to put into code and de-crypt the case out of harm's way. Our scheme contributes safekeeping to the unrestricted although gain access to files.

2.3 Tools & Tech-Neologies

PY-THON

Python is a comprehensively supportive cracked, perceptive, object-organized, & upraised glassy encoding semantic. A untangled semantic, Python has an predetermination sophisticated that accentuates cryptograms connotation (legendarily exhausting white-space cosmos to delineate enigma plazas as a substitute of wavy fragments or catchphrases), & a phonetic edifice that endowments software scheme draftspersons to divulge approaches in a reduced amount of rough draft of enigma than valor be cast-off in idioms, for case in point, C++or Java. It rigidities hypotheses that facilitate unblemished programming on mutually pint-sized and colossal notches. Python

liveliness concerning are unfilled for selected waged configurations. C Python, the location carrying out of Python, is exposed foundation encoding and has a scheme centered enlargement archetypal, as do nearly the over-all of its capriciousness ingesting. C Python is flourished thru the non - improvement Python Software Establishment. Python incorporates a special compassionate configuration & custom-made reminiscence floorboard. This one ropes different sequencer writing ideal model, as well as object - masterminded, fundamental, utilitarian and practical, and has a colossal along with complete usual documentation

DJANGO

D-Jingo is an upstretched identical Python Network formation that reinforces hurried fresh expansion & pronounced, severe prearrangement. Functioned by veteran proposers, it copes a perilous portion of the concern of Network progresses, so you can effort off assembling your solicitations devoid of on tenterhooks to reappearance a hitherto engage in dispute. It's competent & vulnerable establishment. D Jango's intricate objective is to embolden the creation of composite, facts base-driven tenacities. D Jango accentuates reusability & "plug gracility" of ratios, hasty firsthand improvement, & the typical of don't replica physically. Pie-thon is cast-off all widespread, nonetheless, for position archives & information replicas.
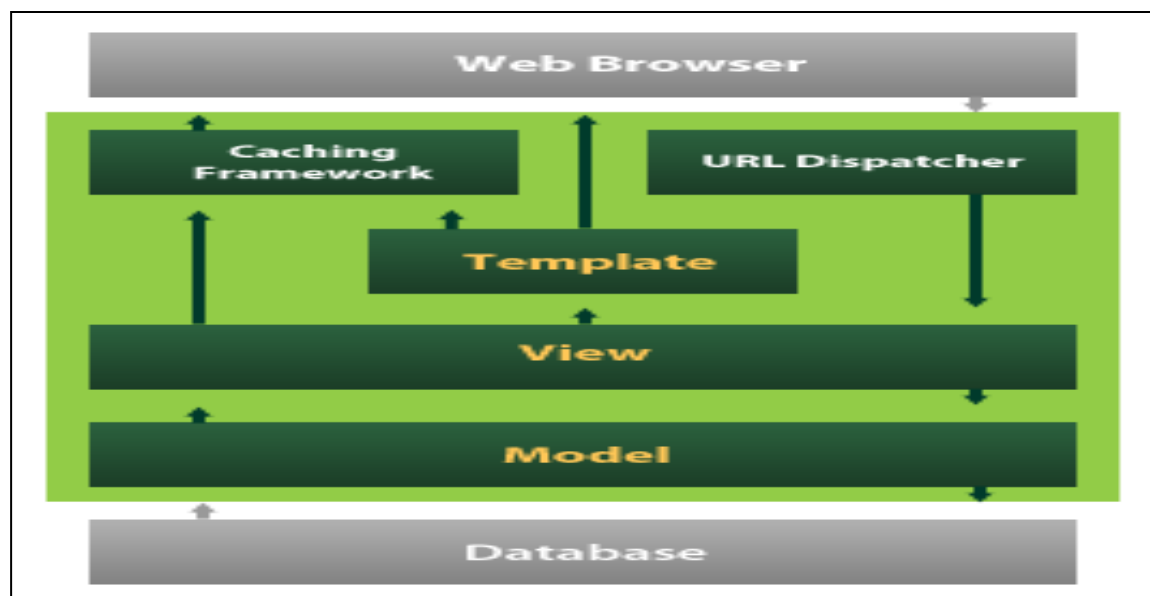
Figure 2.3.1: Structure if Django

D Jango as thriving rigidities a obligatory influential mark, declaim, regain consciousness and wipe away periphery that is twisted more and more thru introspection & prescribed by worth of assessor prototypes
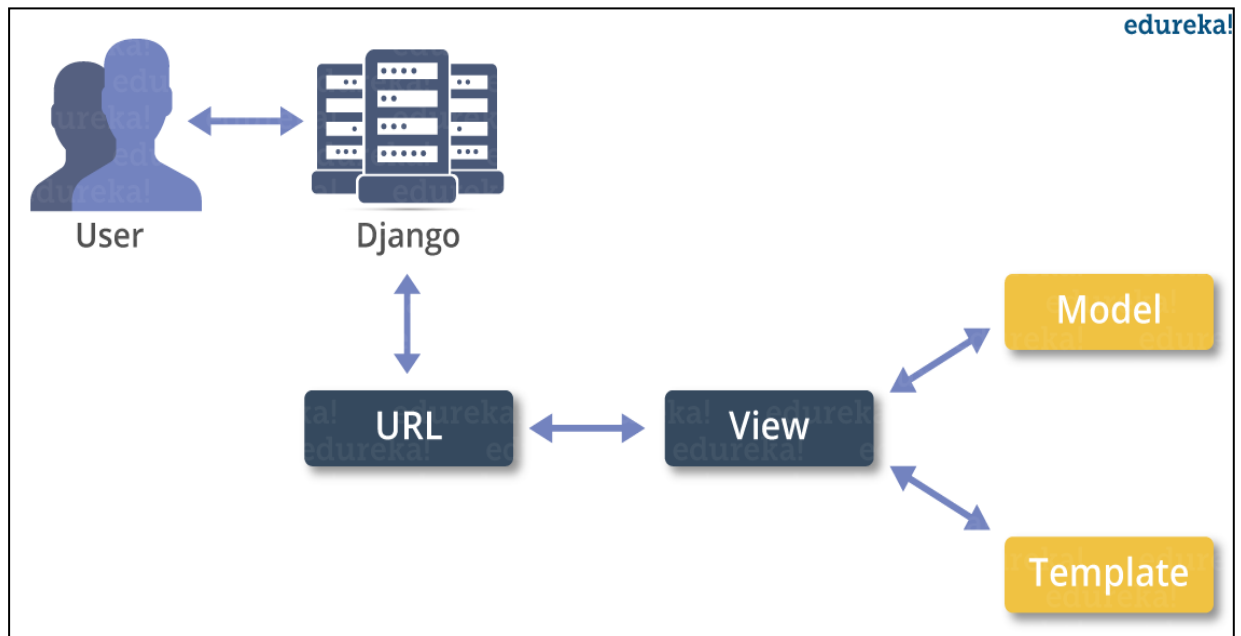
Figure 2.3.2: Django Accessing View

2.4 Hard-Ware & Soft-Ware Needs

2.4.1 Hard-ware Requirements: These are the Requirements which specifies the basic physical tools which need to develop the physical system to run the developing software

Table 2.1 Hardware requirement

Hard wares	Specification
SYSTEM	Intel i3 or higher version
HARD DISK	250 Giga Bite
FLOPPY DRIVE	144 Mega Bite
RAM	2 Giga Bite

2.4.2 Software Requirement: These are the Requirements which specifies the basic Internal Software tools which need to develop the system to run the developing software

Table 2.2 Soft-ware Needs

Soft ware	Necessity
Op-System	Window-Seven or higher
Coding-Language	Py-thon
Front-end	Py-thon
Scheming	HTML & CSS
Data-Base	My-SQL

CHAPTER - 3

SOFTWARE REQUIREMENTS SPECIFICATIONS

3.1 Functional Requirement

In this venture there are four modules present as recorded in the beneath

•   Property Addition

•   Adding Location Details

•   Price Negotiation

•   Geometrical Analysis

3.1.1   Property Addition

The property expansion is the primary activity module for the task. When approved client login into the framework, they can play out their action according to their desire. In this module, User more likely than not keen on selling the property which they own. The Property subtleties, for example, Location, Address, and Facilities that the family units are have to add to the cloud where everything that merchant transfers can distinguishable to purchaser and specialist.

3.1.2   Adding Location Details

In this module client that is merchant need to transfer the subtleties of their area just as their neighboring office area, for example, schools, universities and clinical and so on., In past modules likewise client need to include the area that are into the crude composed arrangement however here in this module we can transfer the area subtleties in maps and guide designs. Detecting these areas can be exceptionally convenient for operators or clients to become more acquainted with about the subtleties of property and neighboring subtleties.

3.1.3   Price Negotiation

This module is for the most part intended for purchasers and specialists. Right off the bat, purchaser sends the solicitation to operators alongside the expense of desires and other inquiry insights concerning property. When specialists see the solicitation from the purchaser, Agent can choose the value as indicated by the value of area and both the purchaser and merchant. This module planned like visit. Double way correspondence can be cultivated among the different clients.

3.1.4 Geometrical Analysis

The Geometrical examination of given informational index is finished by graphs. Here in this undertaking there are two diagrams have been plot between quantities of areas versus city. The pie outline and line graphs are set up in this venture so as to investigation the information viably.

3.2 NON-FUNCTIONAL REQUIREMENTS

Reliability

This Fraud Find application is reliable and is also acceptable by users because of its user acceptable manner but the system interacts only when the interaction happens within a limited environment.

Maintainability

Scam locate agenda determination remain exploited for enduring. The essential center is en route for plan the framework for wellbeing the board. This framework is available to be received by whichever novel innovation into the afterward phases of its utilization.

Elasticity

Updating and modification of the information in the system of this fraud find application is very easy because the main forms are always available in the application.

Portability

Scam locate framework is versatile so it tends to be held in reserve on the trot on whichever Surfer on whichever platform amid ensuing to or no adjustment.

Safety Measures

This scam locate application is further vulnerable because it is secured with admin and employee authentication so only the authorized members can login into the system and no unauthorized member can access the data in the system.

CHAPTER 4
SYSTEMS DESIGN AND ANALYSIS

4.1 System perception

This examination expects to design a planned exhibit acclimated to the deception triangle factors, enhanced with the human factor and separating suspicious leads to perceive possible occurrences of coercion. In this remarkable condition, a couple of examinations were found in the composition, which adds to this point. Most of the records address the issue of financial coercion and the different conditions including it. Regardless, recognizing people who might be related to false activities is a choosing segment. The assault into the social examination is referred to, whose makers present a customized substance digging process by email for the area of different sorts of models in messages. While in a nonexclusive compositional model is proposed that supports the parts of the distortion triangle.

Architectural
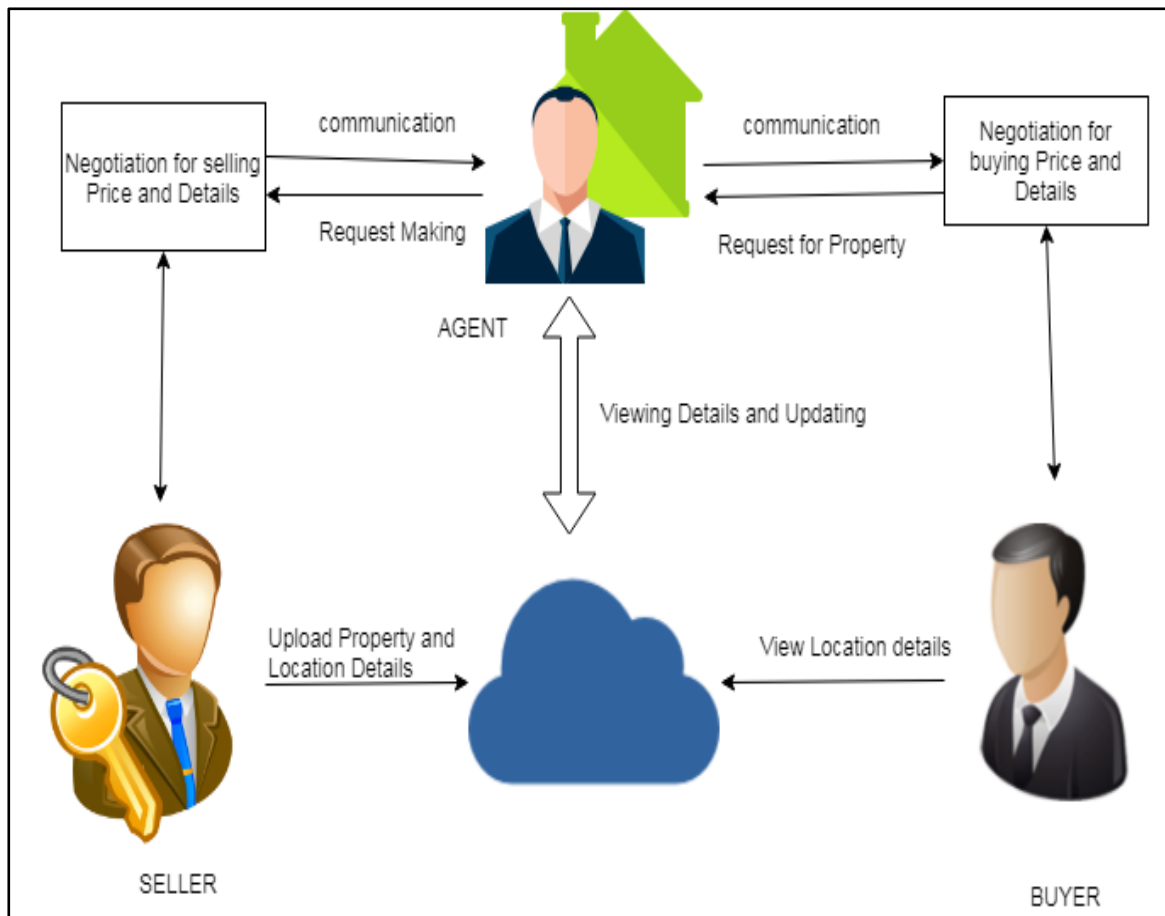
Fig 4.1 Architectural Design

4.2 Context Diagrams

The scenery subversion demonstrations the investment of the edifice by way of its ailment the notch that evidence tributaries. The decor outline depicts the utmost far away stimulation lashing the edifice. Superficially the actualities brooks which authorization the edifice and the facts brooks derive exterior the agenda are acted. The entire edifice is lean towards as an introverted stratagem & entirely the exterior crania are acted.

The scenery subversion for vulnerable inflexible bourgeoning analysis is as give the impression in fig 4.2 the clasping elements of the edifice are Supplier, sta, patron & the shroud which vittles the statistics.

<u>Agent</u>
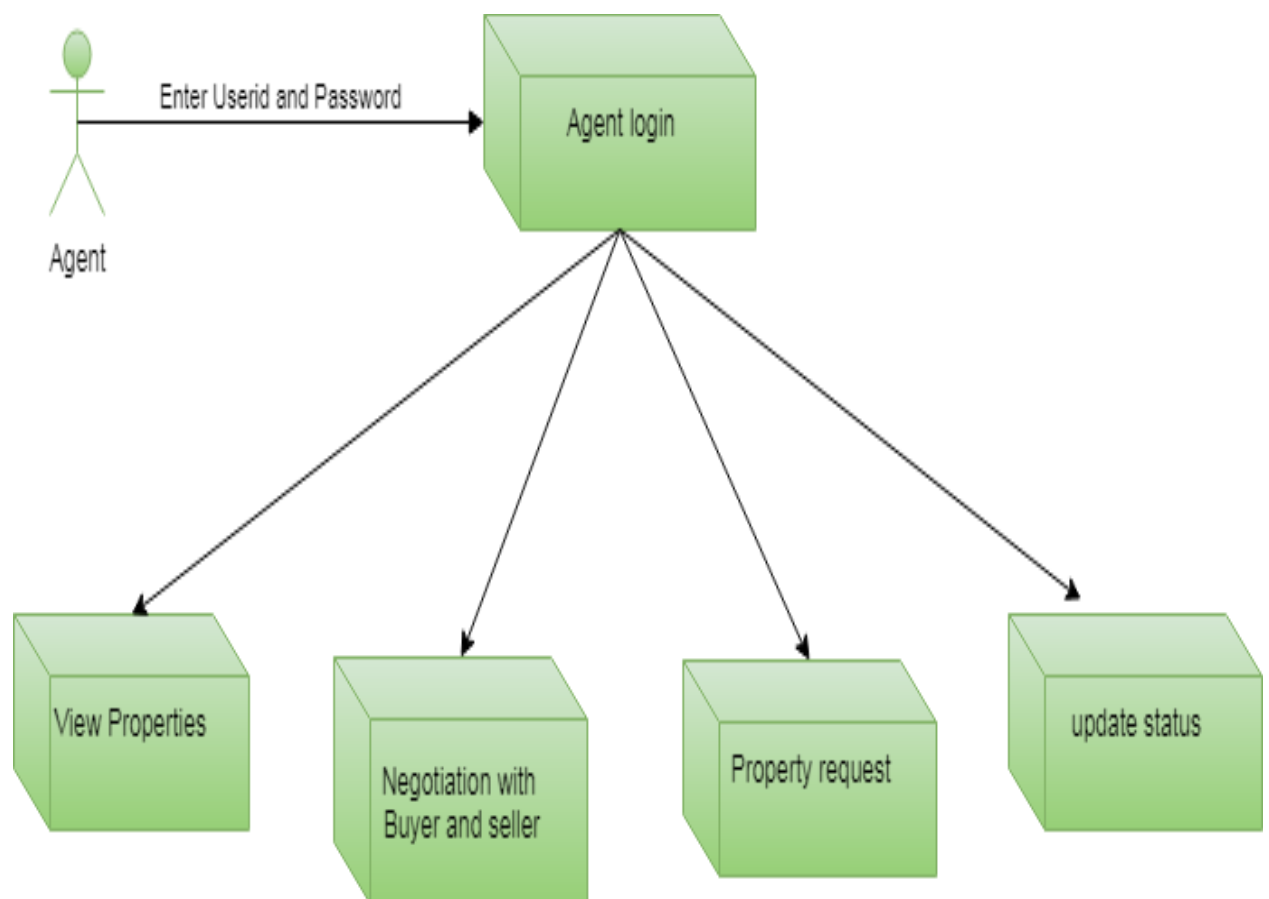
Figure 4.2.1: Agent Context Diagram

Buyer
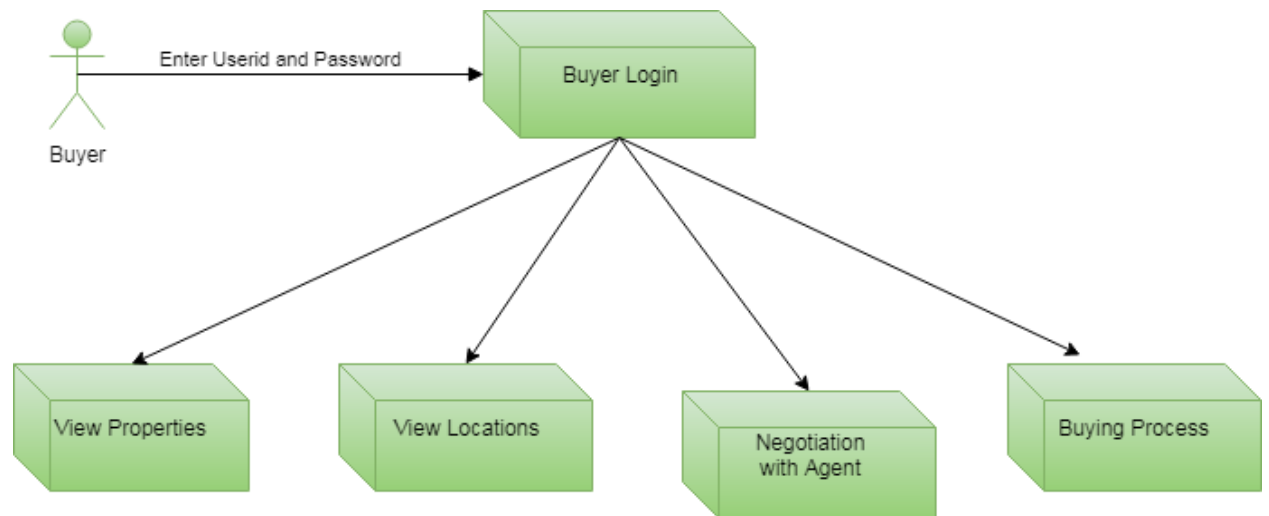
Figure 4.2.2: Buyer Context Diagram

Seller
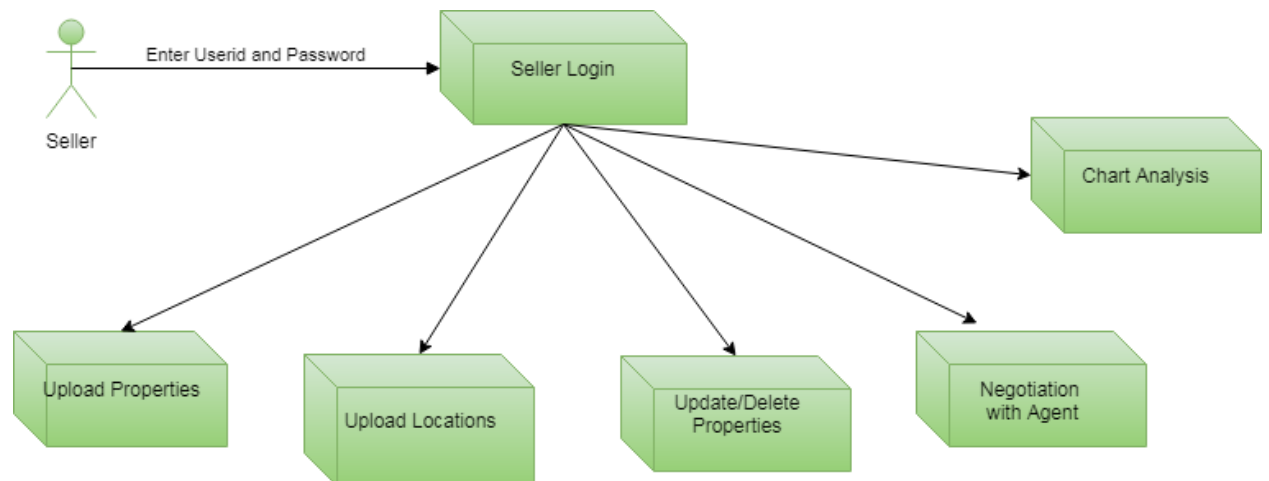
Figure 4.2.3: Seller Context Diagram

CHAPTER-5
DETAILED DESIGN

5.1 USE-CASE DIAGRAM:

A Use case plan determines deportment of1the project. The goal behind this graph chart is to display and show the whole capacity of a project for which on screen charter is to be displayed. It demonstrates assignments among client and the capacities and their relationship.

Agent
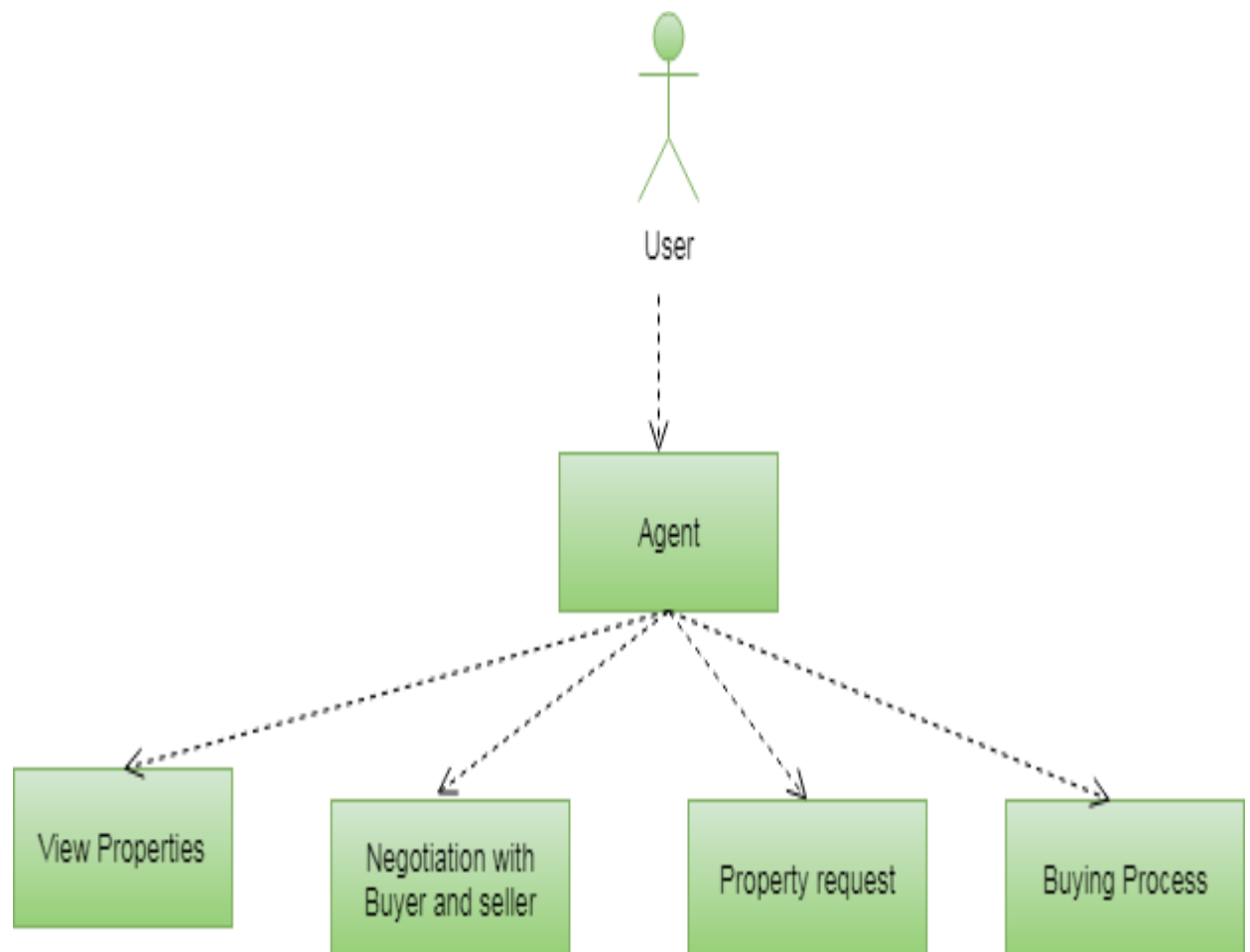
Figure.5.1.1 Agent Use-Case Diagram

Buyer
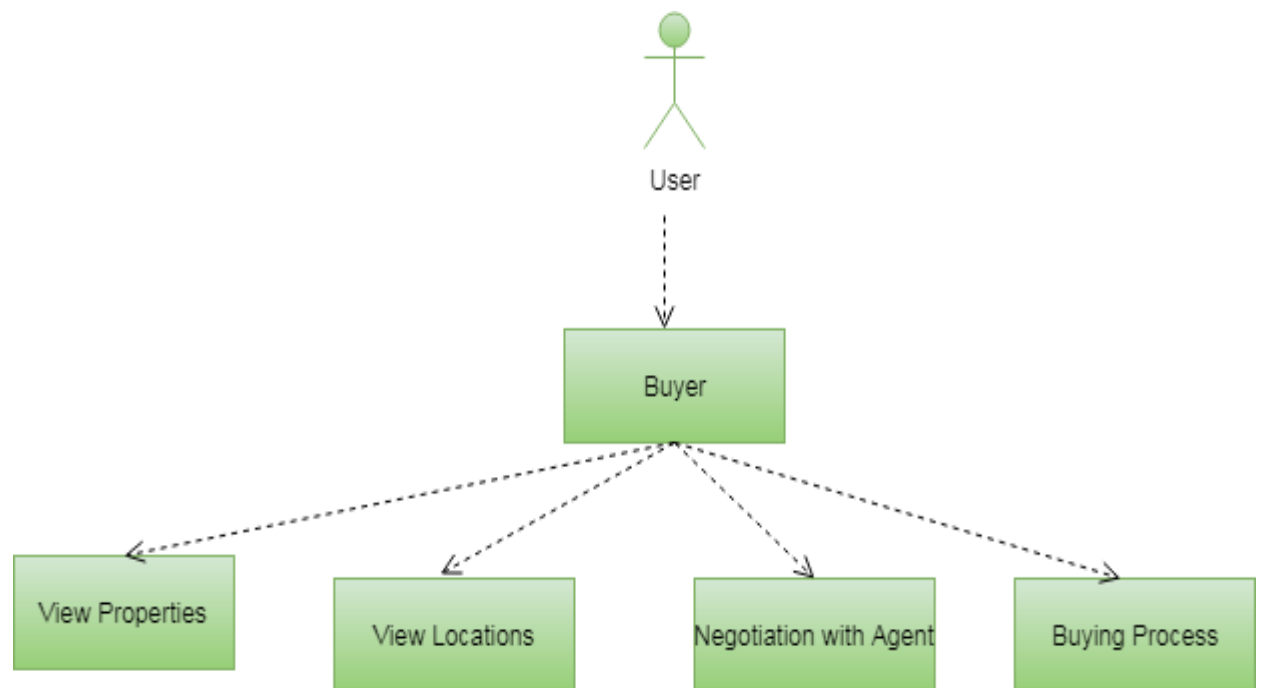
Figure.5.1.2 Buyer Use-Case Diagram

Seller
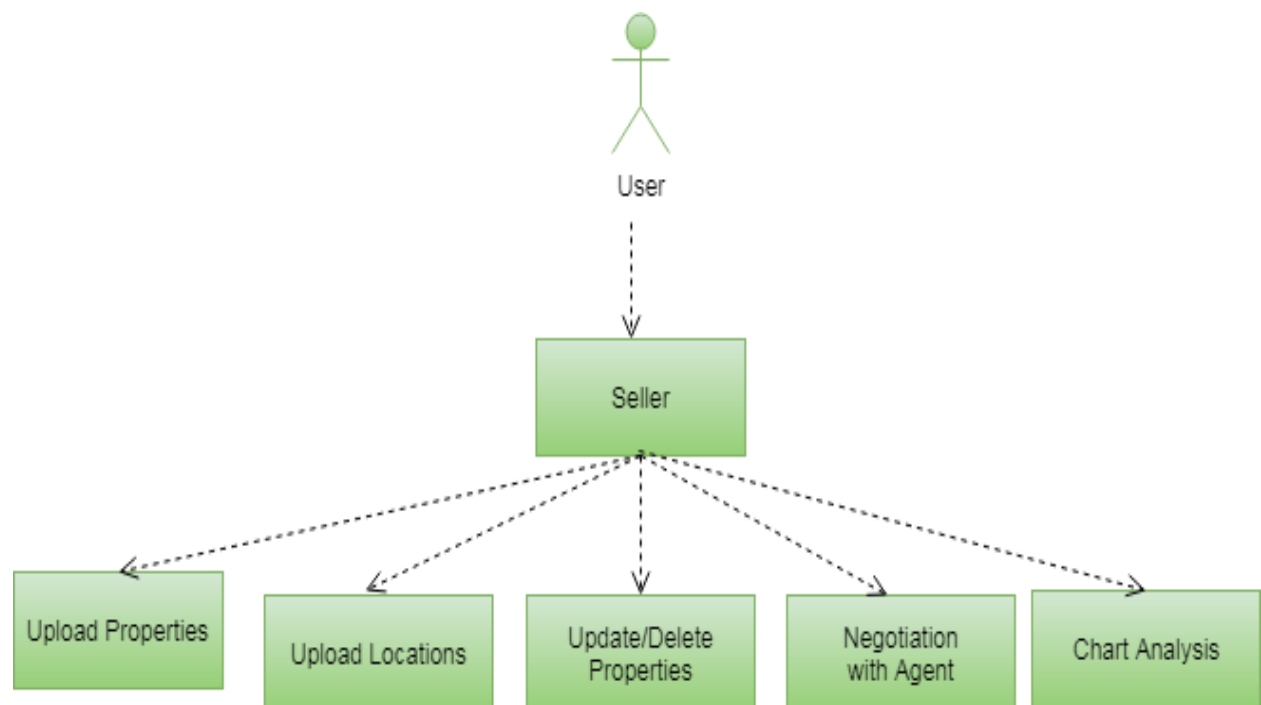
Figure.5.1.3: Seller Use-Case Diagrams

5.2 Sequence-Diagram

A Sequence plan demonstrates members within collaboration and the succession of message among them. It also exhibits the framework by means of its publicly letterings to consume all or several portion implementation instance.

<u>Agent</u>
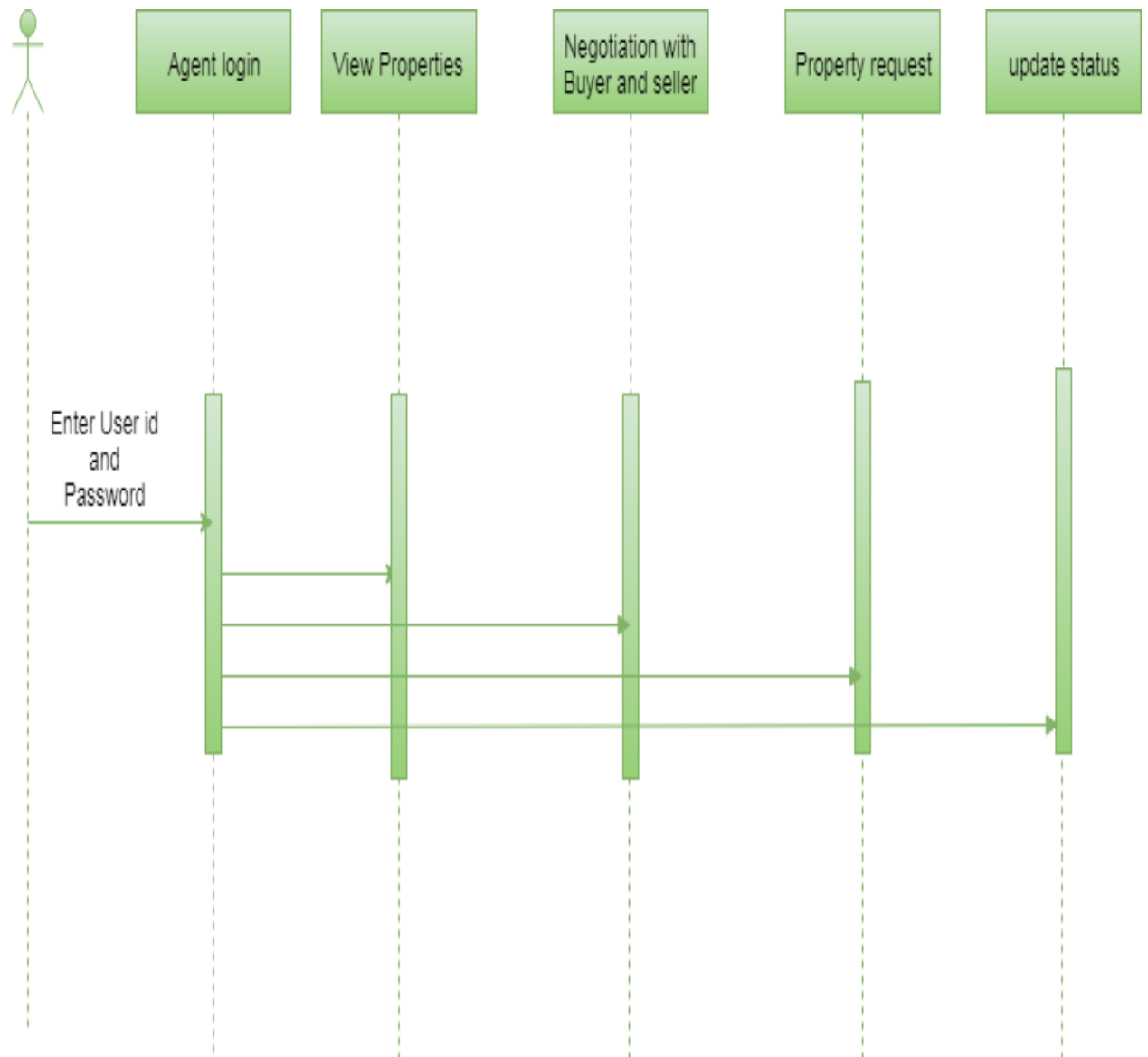
Figure 5.2.1: Agent Sequence-Diagram.

Buyer
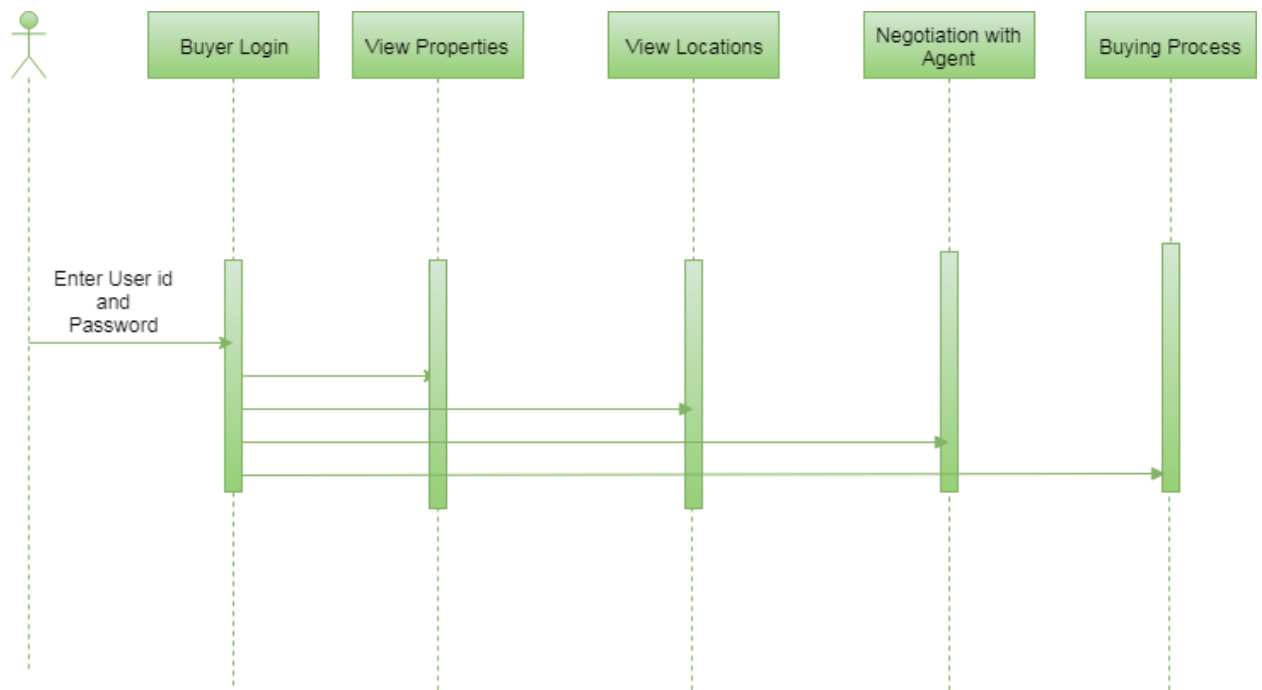
Figure.5.2.2: Buyer Sequence-Diagram.

Seller
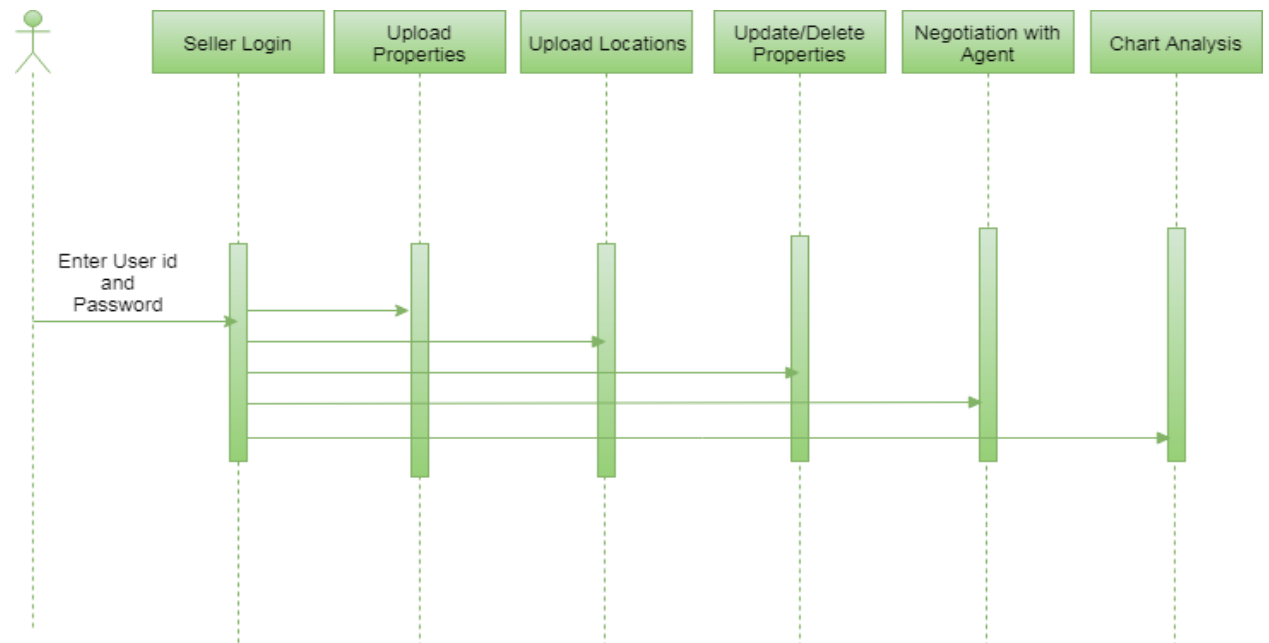
Figure.5.2.3: Seller Sequence-Diagram.

5.3 Activity Diagrams

Diagram defines flow of the system. It is used to represent the flow of each activities.. These activities can explain the functionality of the system. The control is transferred from one activity to another after the completion of each activity

Agent
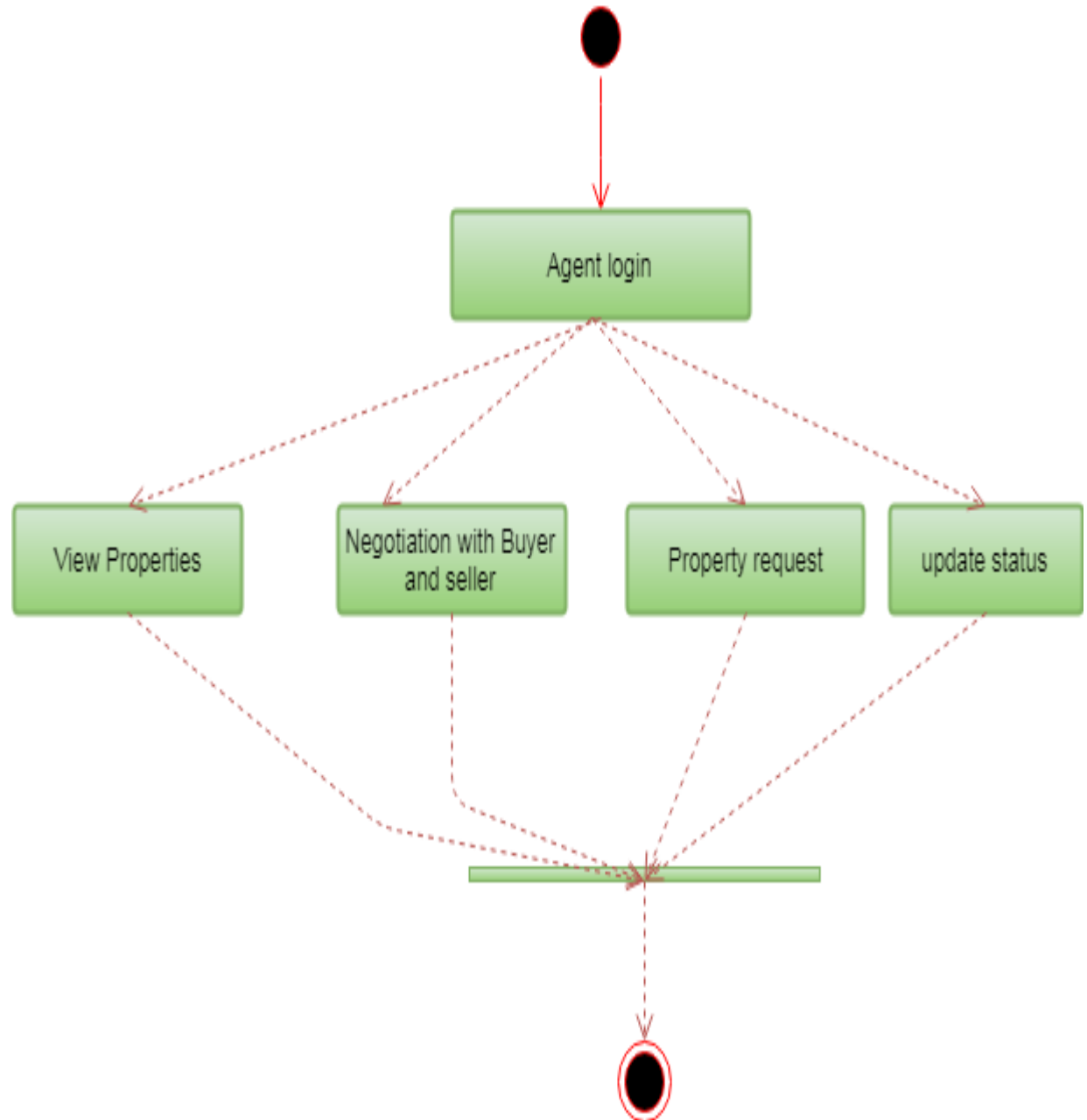
Figure.5.3.1: Agent Activity

Buyer
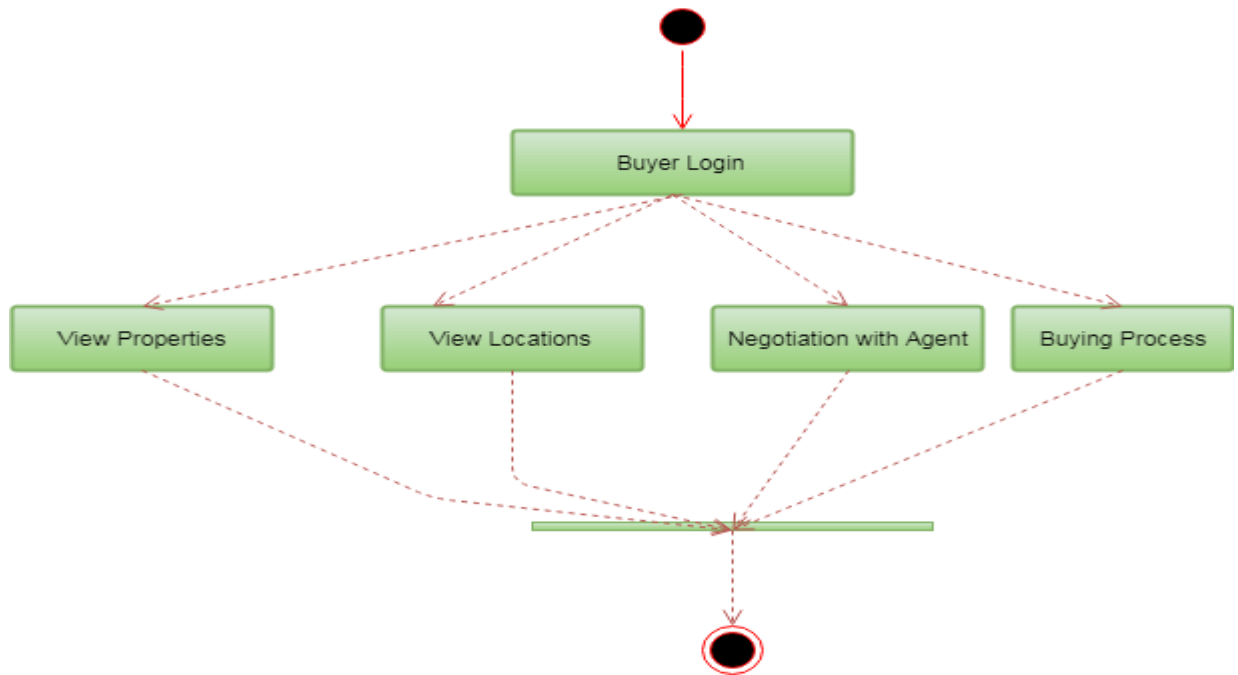
Figure.5.3.2: Buyer Activity

Seller
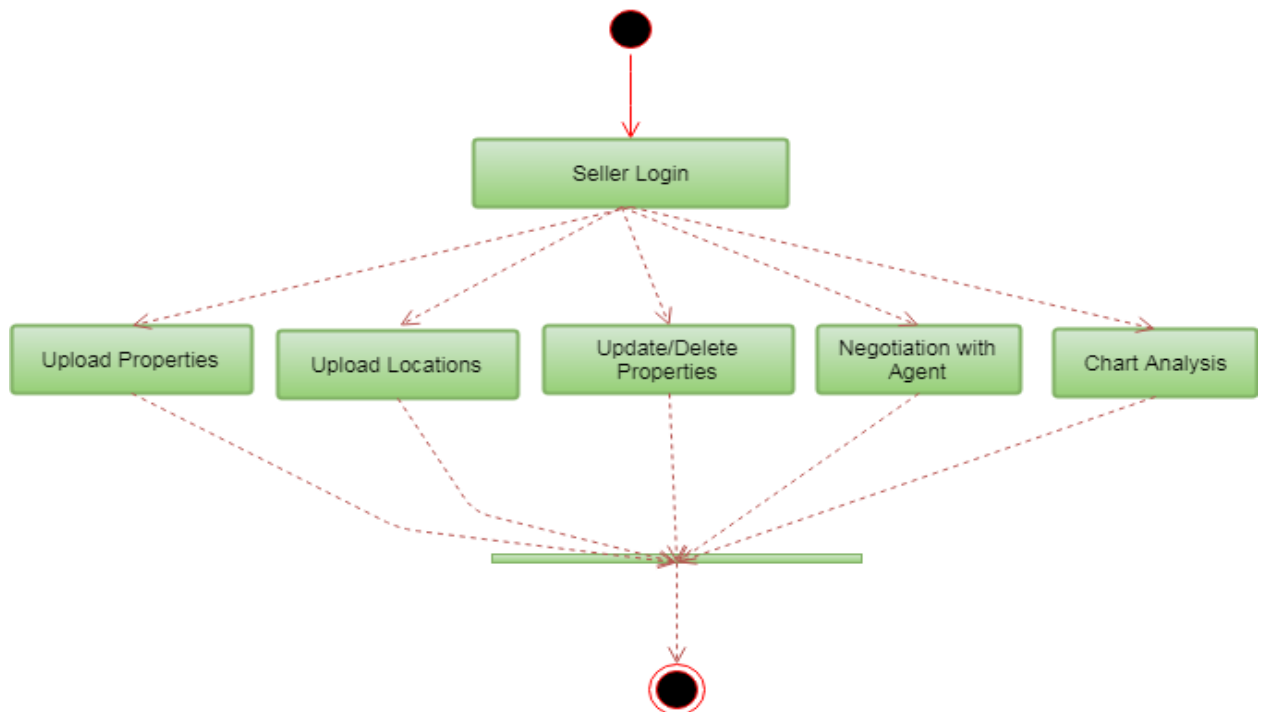
Figure.5.3.3: Seller Activity Diagram

5.4 Schema Diagrams

The schema diagram describes the database design and the view of the tables. It gives the description of the attributes used in the data base designs.

5.5.1 E-R Diagrams

"Entity Relationship Diagrams" can also be called as ERD or ER model. Relationship diagram represents the structural view of the database design. It has a bunch of notations such as Entity which is a rectangle, Attributes which is an oval, Relationship which is a Diamond and so on. Cardinality ratio is mentioned between each entity to show the relationship multiplicity.

<u>Agent</u>
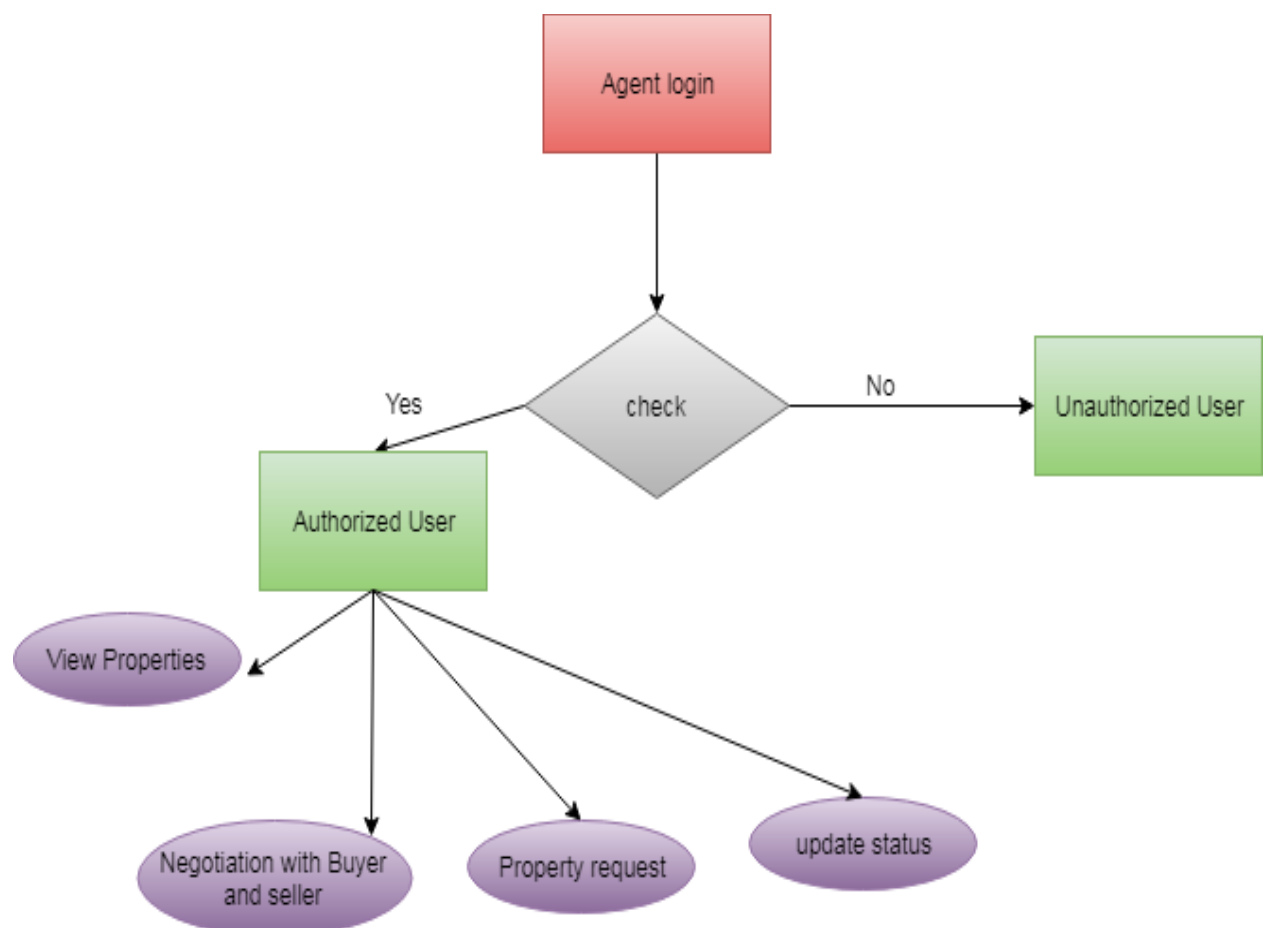
Figure 5.5.1: Agent Scheme Diagram

Buyer
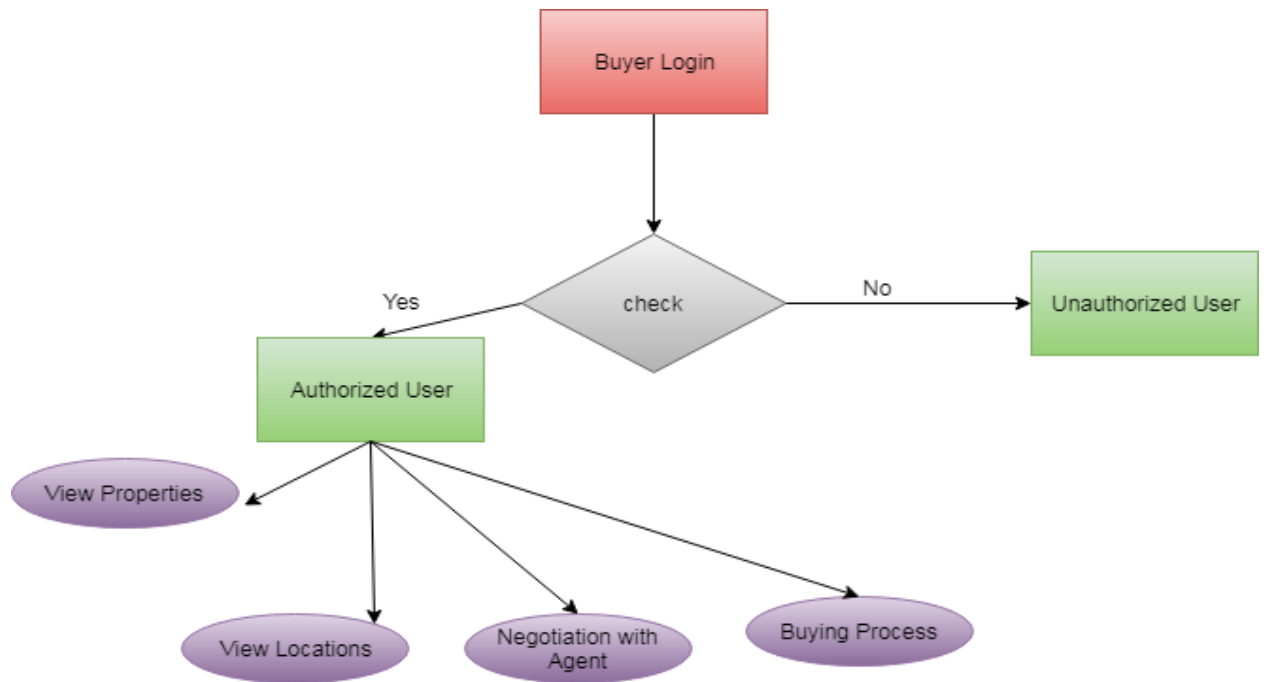
Figure 5.5.2: Buyer Scheme Diagram

Seller
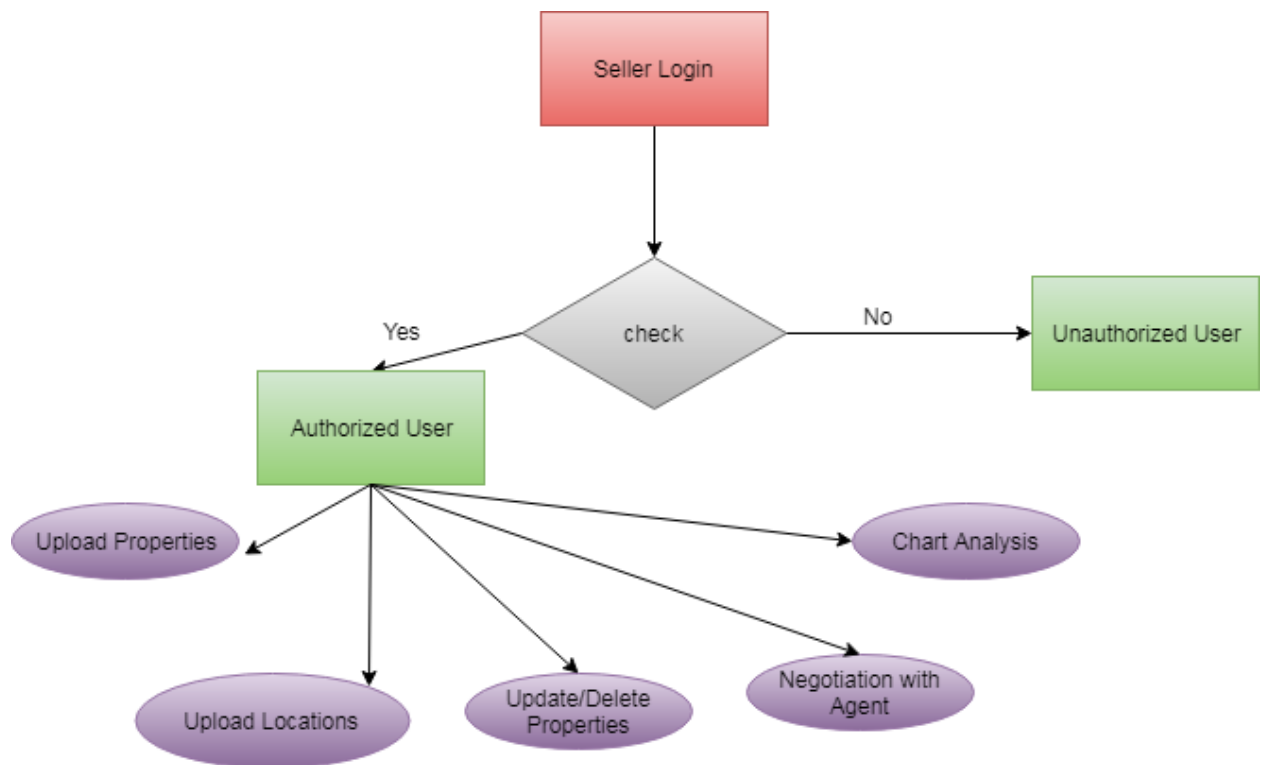
Figure 5.5.3: Seller Scheme Diagram

5.6.2 Table Description

NETWORK

Column-Name	Data-Type	Primary-Key
ID.	Integer (11)	01
NET_NAME	Var-char n (255)	-
Description	Text (0)	-

Table 5.6.2.1 Network Table

REGISTER

Column-Name	Data-Type	Primary-Key
S.ID	Int (11)	01
F.NAME	Var-char (255)	--
U.NAME	Var-char (255)	--
PASS-WORD	Var-char (255)	--
ADDRESS	Var-char (255)	--
MOBILE	Var-char (255)	--
E-MAIL	Var-char (255)	--
GENDER	Var- char (255)	--

Table.5.6.2.1 Register Table

REQUEST

Column-Name	Data-Type	Primary-Key
ID.	Integer (255)	01
NAME	Var-char (20)	--
FID	Int (255)	--
F-NAME	Var-char (255)	--
STATUS	Var-char (255)	--
RELATIONSHIP	Var-char (255)	--
NETWORK	Var-char (255)	--

Table.5.6.2.1 Request Table

SHARE IMAGE

Column-Name	Data-Type	Primary-Key
Image	LONG-BLOB (10)	01
Id	INTEGER (11)	--
Name	Var-char(255)	--
Img Name	Var-char(255)	--
Message	Var-char(255)	--
Like1	Integer (11)	--
Share1	Int (11)	--
Date	Var-char (255)	--

Table-5.6.2.1 Share Image Table

Chapter 6

IMPLEMENTATION

6.1 Algorithm

Repetitive Neural Networks

The design at the rear RNNs is in the direction of utilize progressive in organize. here a customary key framework we acknowledge to each and every one information sources (amid yields) be self-ruling of apiece further. Regardless, in support of certain odd jobs in the direction of is an outstandingly misguided idea. In case you have to predict the accompanying remark in a judgment you enhanced acknowledge which terminology went ahead of it. RnnS be considered monotonous since they play out a comparative assignment meant for all element of a progression, among the yield being depended upon the past figuring's. an additional line of attack toward deal with consider RnnS is to facilitate they encompass a "remembrance" which gets in sequence a propos what have be set on up to this point. On a fundamental level RnnS be capable of exploit info assembly in emotionally protracted progressions, anyway before long they are compelled to recalling only two or three stages (more on this later). Here is the thing that an average RNN look Like :
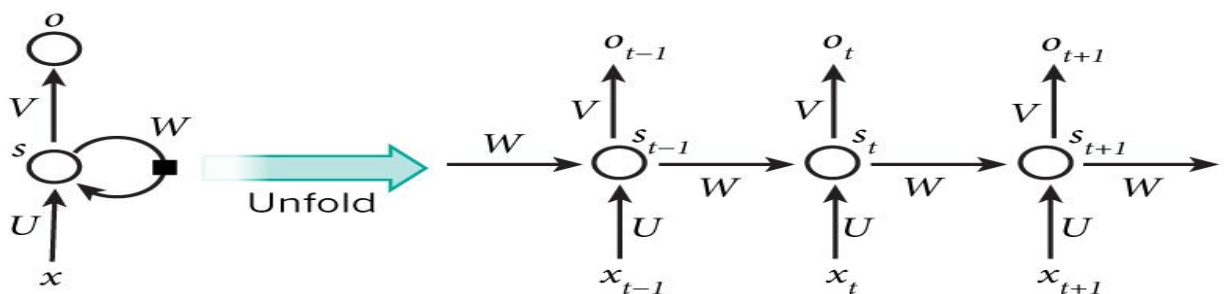
Table 6.1 Structure of RNN A

The on top of illustration show a RNN existence shape unrolled (or else spread out) keen on a packed framework. With unrolling we fundamentally suggest with the aim of we work exposed the framework in favor of the all out gathering. On behalf of paradigm, condition the progression we concern a propos is a condemnation of 5 terminology, the framework would exist unrolled hooked on a 5-coating neural framework, solitary coat in favor of every remark.

Front line

Top tier (now and again cutting edge) insinuates the most noteworthy degree of general unforeseen development, beginning at a device, procedure, or coherent field achieved at a

particular time. It moreover implies such an extent of headway came to at a particular time due to the ordinary approach used by then.

6.2 Screenshot

The underneath records illustrate the computer screen shot of the development appliance.

Login Side

This is the Core Front folio of the use where any user who visit first have to register themselves here to enter the application here the user will have 3 individual options to register himself such as facebook,twitter & Google account by which he can directly regsiter himself as u sole user of the application to access it.
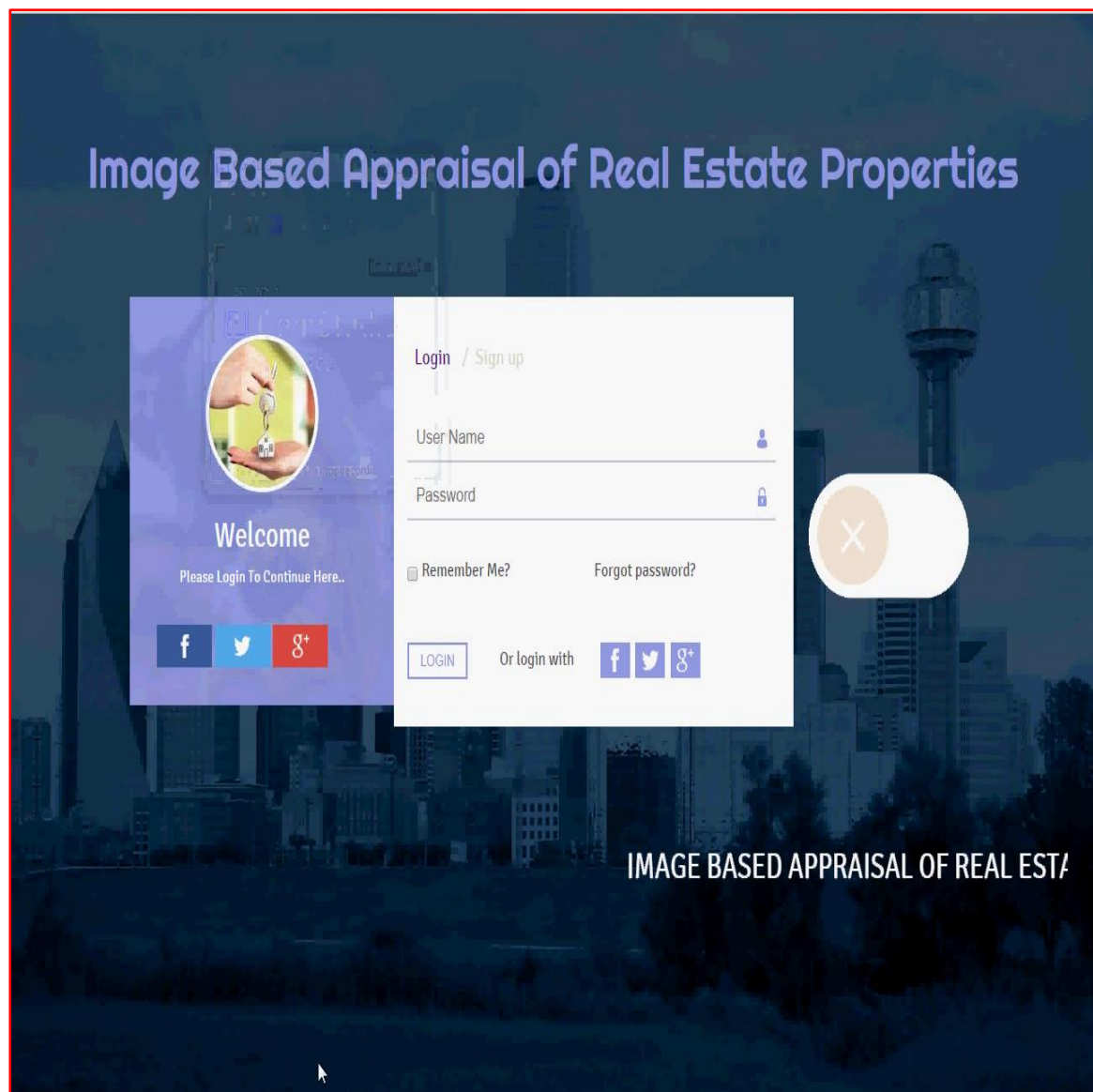
Fig 6.2.1: Login Page view

Customer Registration Page

It is the Further Next Option where user has a special Page to register himself if he doesn't choose to generate an account via the available options of Facebook, twitter & Google by which here user need to enter his basic information to generate an account for the application by which he can access the application.
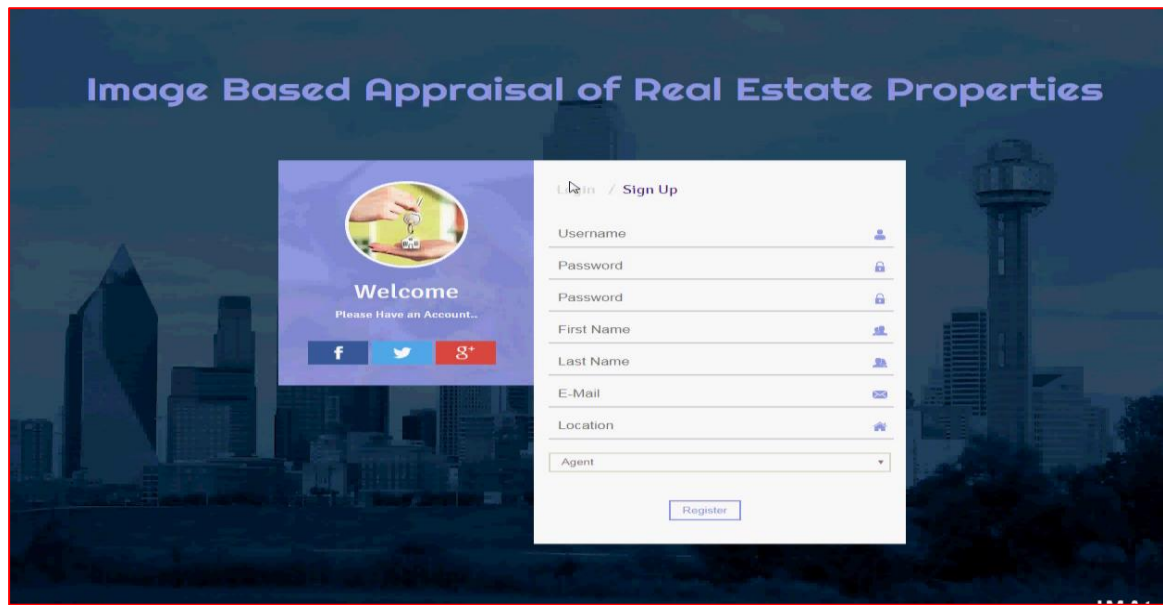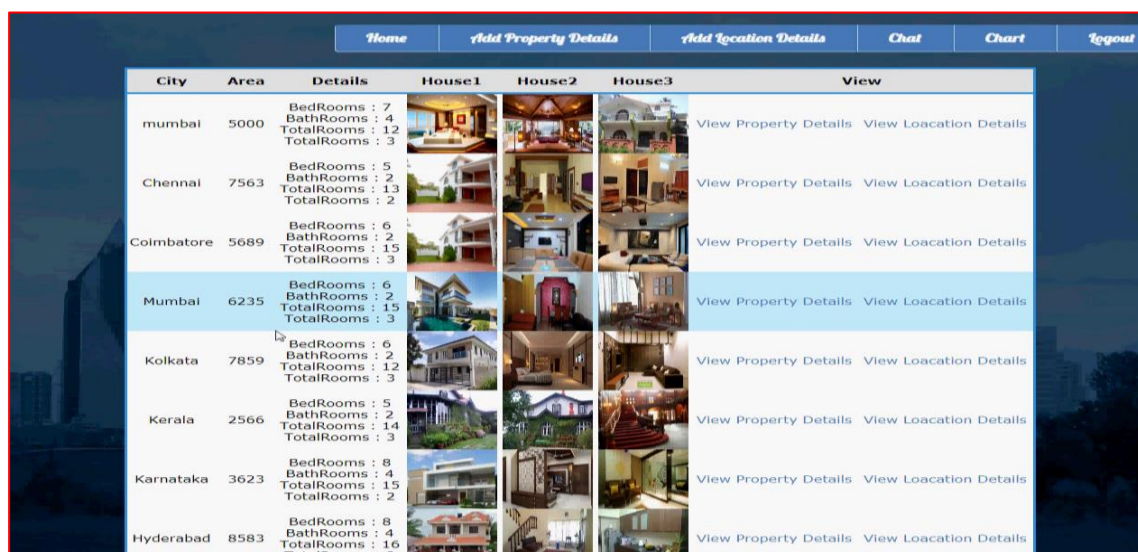
Fig 6.2.2: User Registration Page view

Home Page View of Properties

It shows the main page of the application from which here user can access to many options like Home page, add property details tab, add location details tab, chat tab along with logout tab it generally a view of all the properties that are available for the sale.

Fig 6.2.3: Home Page view

Properties Adding Page

This page details the user to register his property of selling he wishes to this enables the user to enter the following information of the property likewise name of the city of property, size of property, No of bedrooms, bathroom, total rooms along with the images of the property where any user can easily guess the property.

Fig 6.2.4: Properties add Page view

Properties Details Updating Page

This page or tab specifies the valid register user to edit and update the registered properties if any changes have to be done in the registered properties. After updating the details he can simply click on the option update available on the page to complete the update process

Fig 6.2.5: Properties details update Page view

Individual Properties Details View Page

This page view shows the individual pictorial look of the selected property from the list of available properties where use can easily look around the property size look structure no of rooms available in the property, location of property.
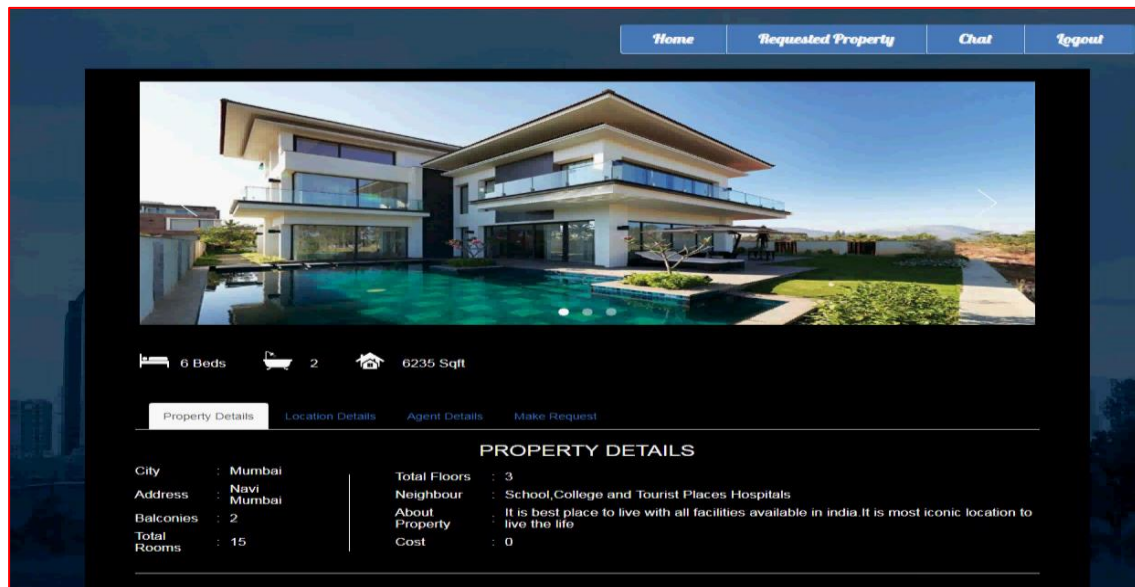

Fig 6.2.6: Individual properties Page view

Request Properties Details View Page

This page helps the user to interact with the property owner or the broker who has registered property for the sale where it provides an option called make a request from which the use can register his request for that property.
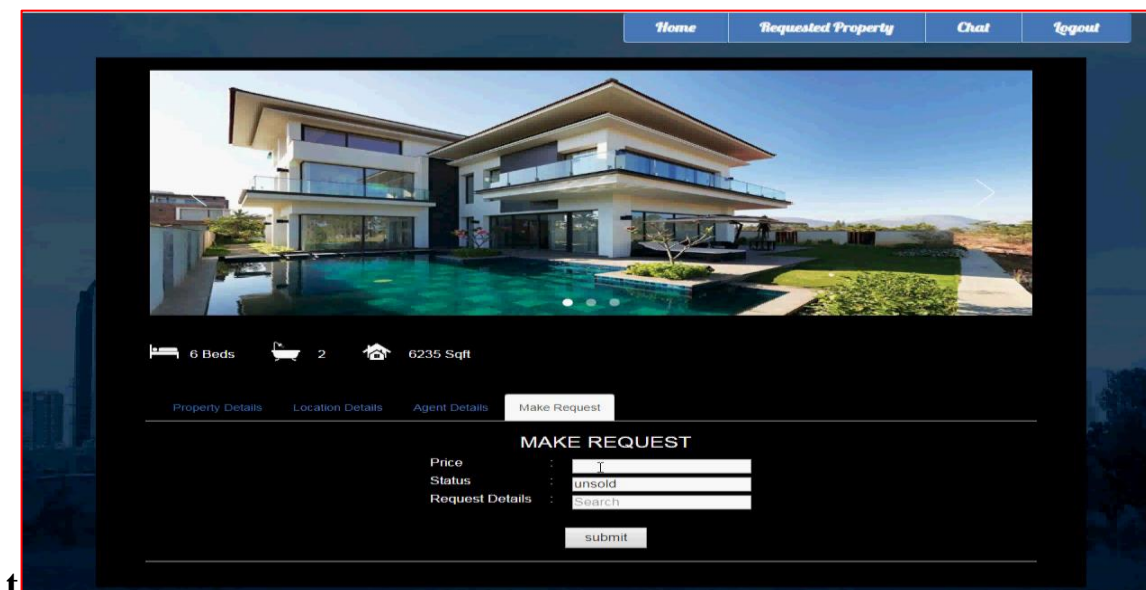

Fig 6.2.7: Property Request Page view

Google Map View Location of Properties

This shows the aerial map view of the available properties for the purchase here it looks in a same way of map option which is available in today's electronic gadgets where user can easily pitch into the property he desire to see.
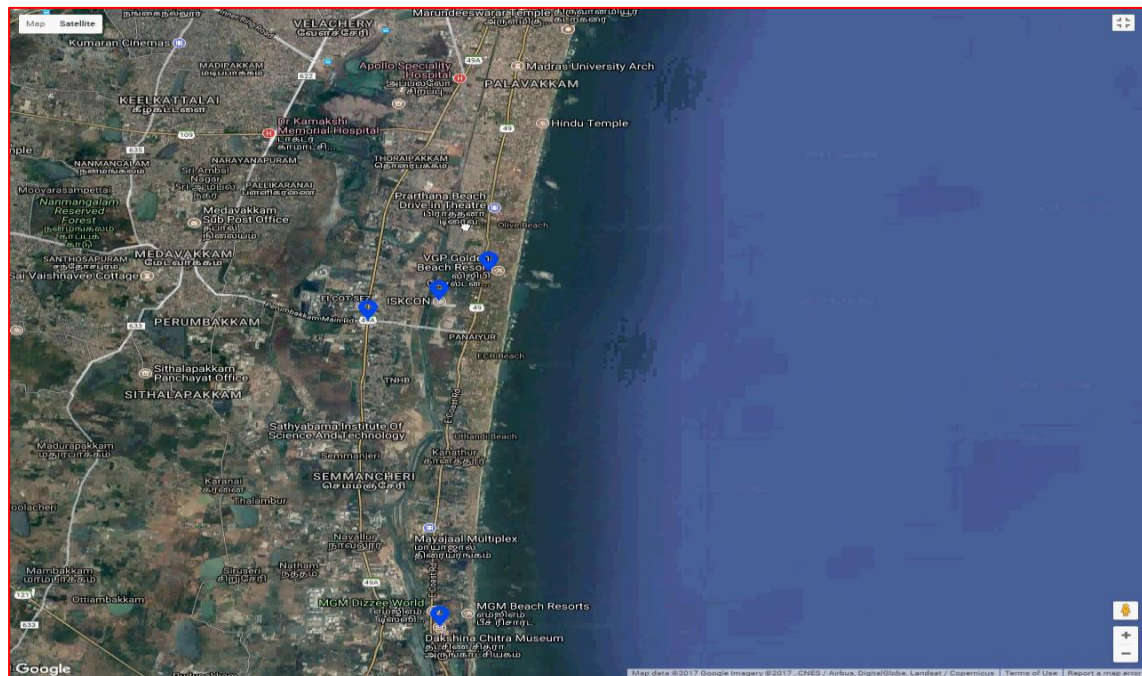

Fig 6.2.8: Map view Page

Conversation with Buyer Page

This helps the user to directly interact with the property owner or the broker who has posted the property for the sale. Here this option gets enable only once the owner or the broker is in online to interact.
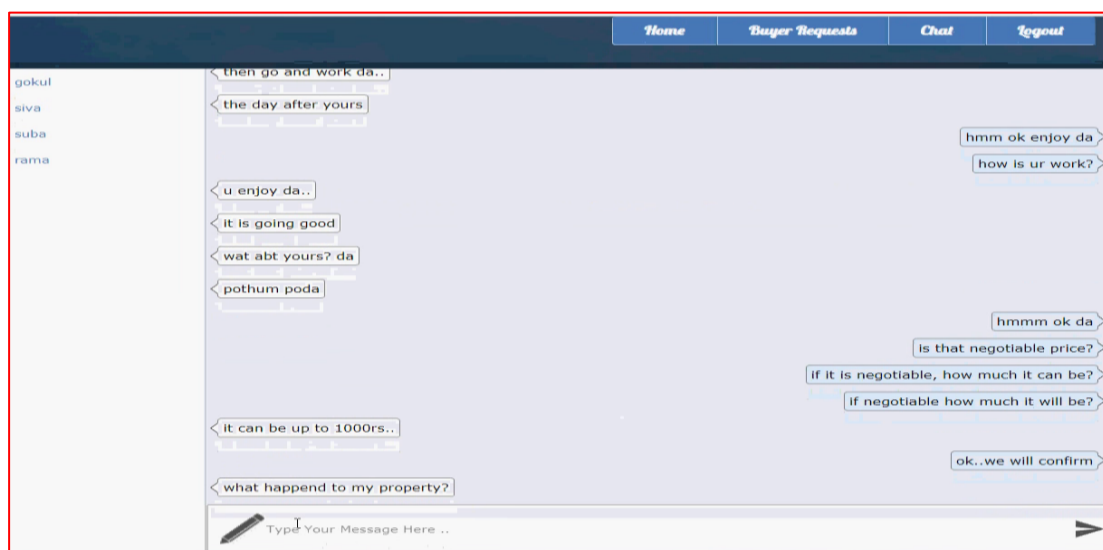

Fig 6.2.9: Chat Page view

Individual Properties location wise Details View Page

This page gives a view for the user of the available properties for the sale as per the location wise. Where user can easily choose his desired location to buy the property.
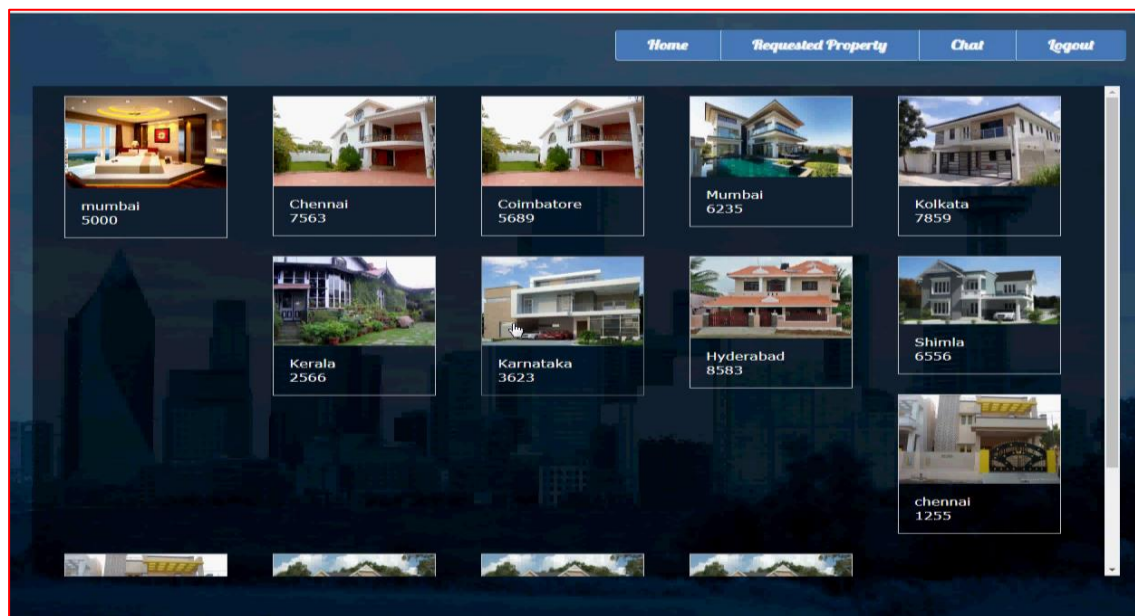

Fig 6.2.10: Location wise properties Page view

Individual Properties Status Details View Page

This page indicates the user of the status of the property which has been listed in by the agent or the owner for the sale where user can judge the property by the status available in front of the property.
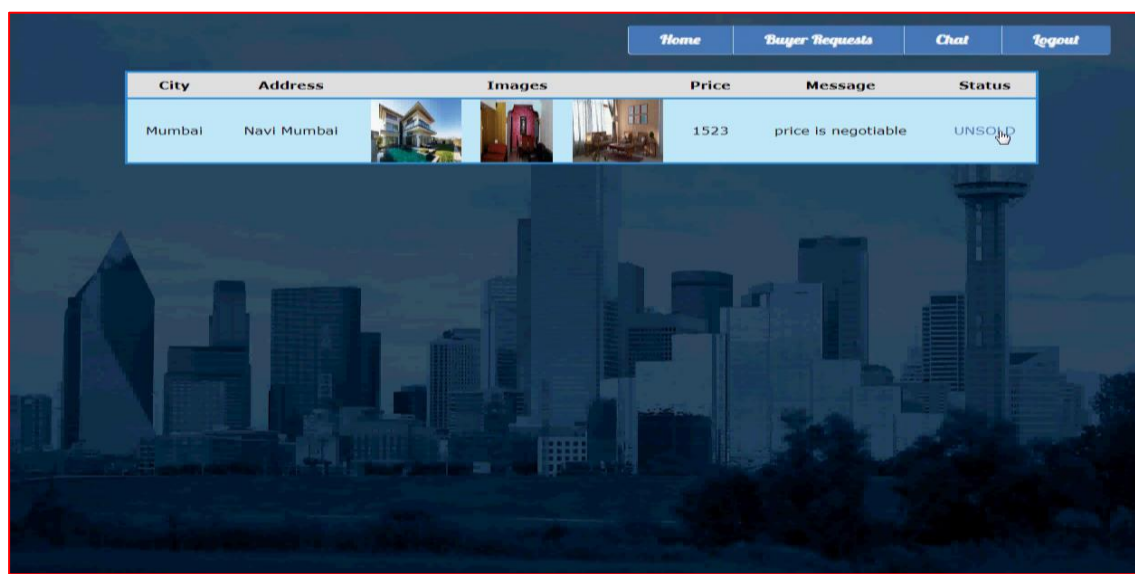
Fig 6.2.11: Property status Page view

Map view location Searching of Properties Details Page

This option helps the user to directly switch into the location by just entering the city name he wishes to search the property in the search box.
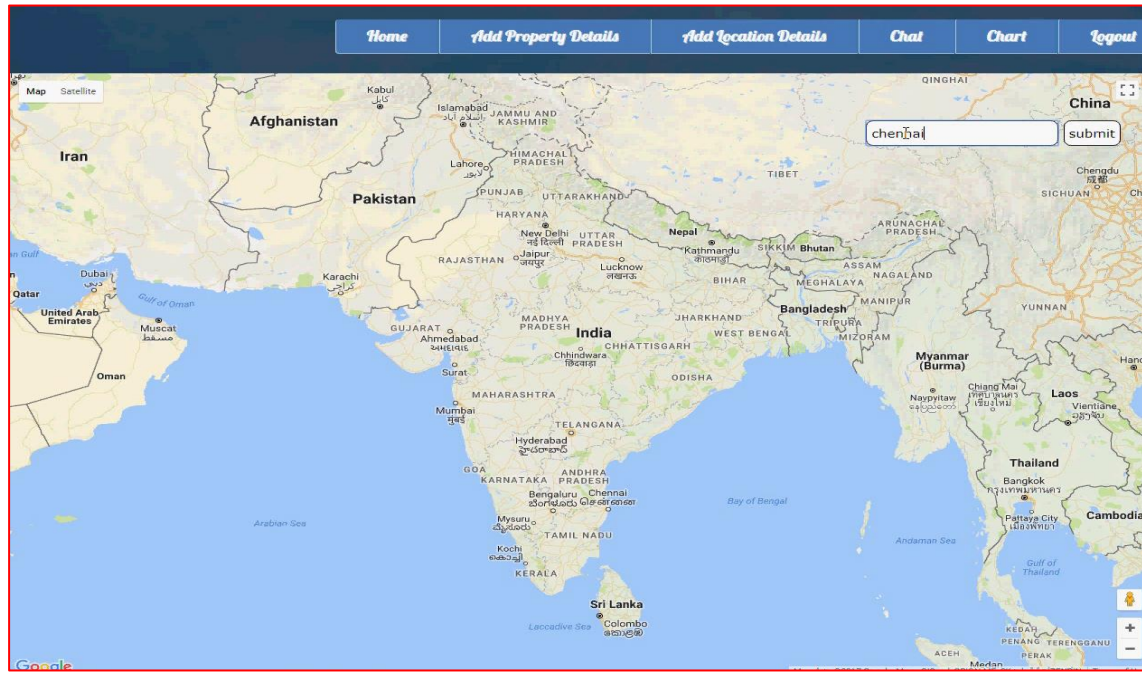
Fig 6.2.12: Search location Page view

Pie Chart View Of properties available location wise

This pictorial presentation shows the list of properties available to sale indicating individual location wise with the help of pie chart.
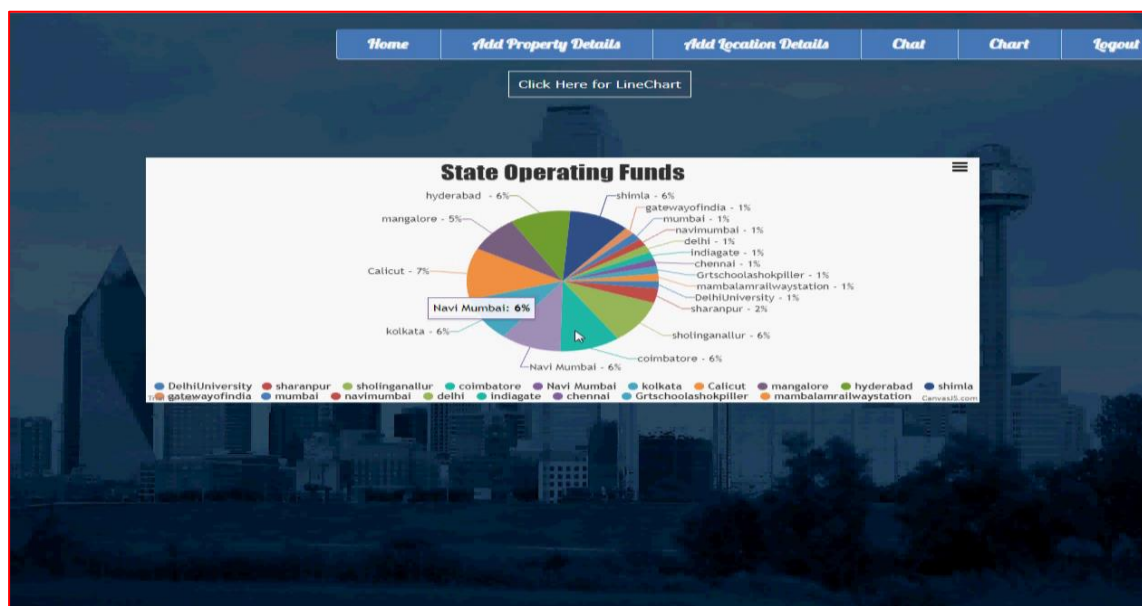
Fig 6.2.13: pie chart location Page view

Line Chart View Of properties available location wise

This pictorial presentation shows the list of properties available to sale indicating individual location wise with the help of Line chart
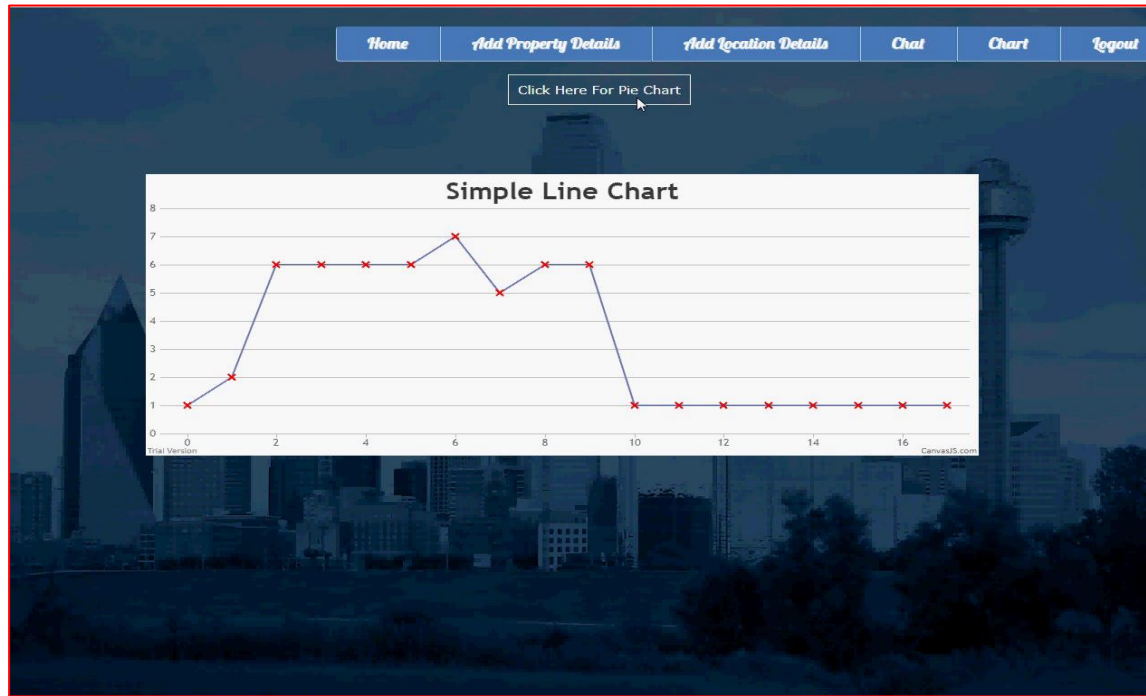
Fig 6.2.14: line Chart Page view

List of Customer chat Page

This page shows the user list of the property's owner he has interacted already for the purchase of the property when he again loges in the application for the next time.
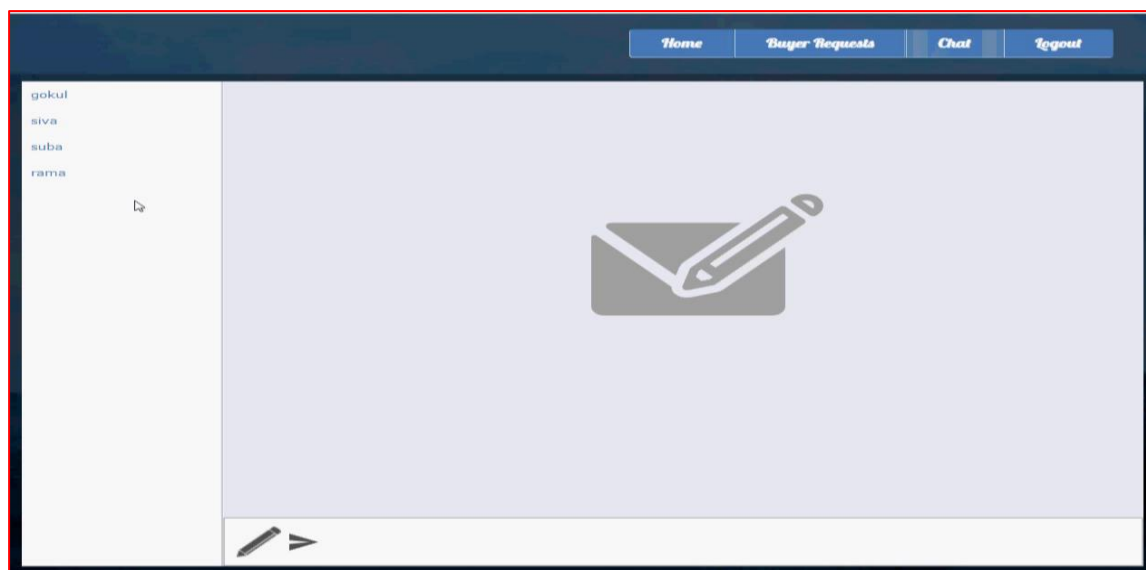
Fig 6.2.15: list of interacted customer Page view

Connection to Wamp Server Page

This page Shows how to connect the Wamp server for the application while launching the application software for the use .
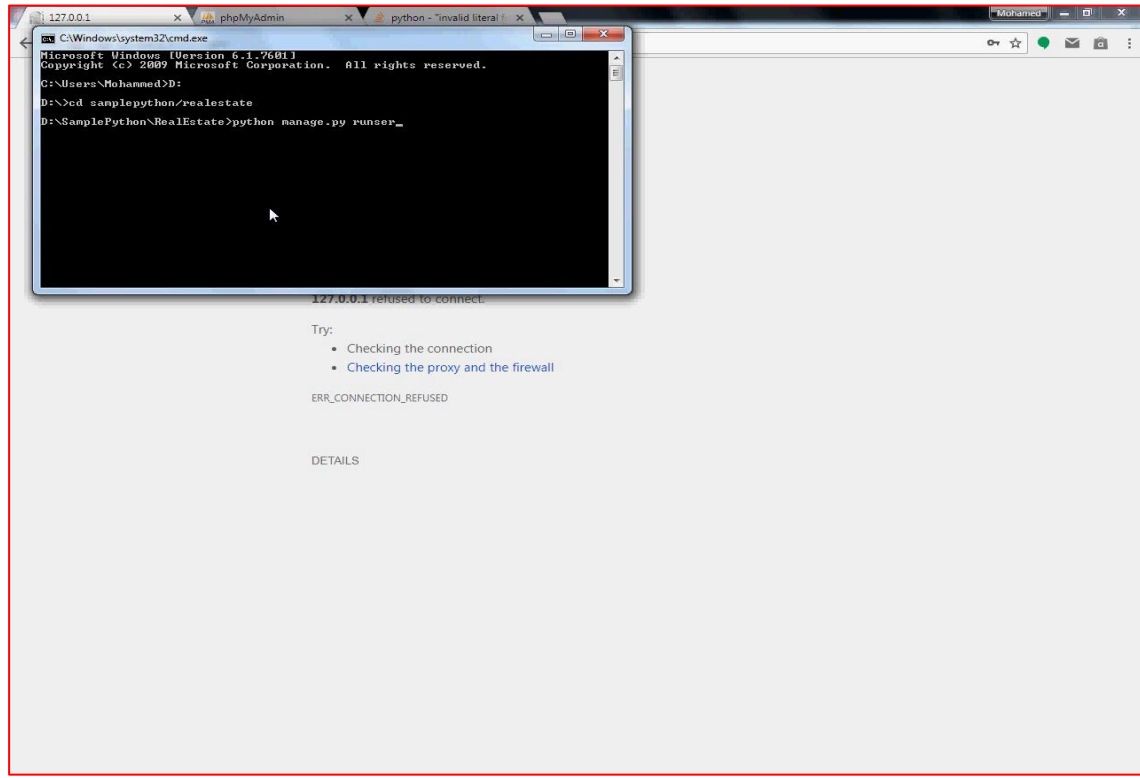
Fig 6.2.16: Wamp server connection Page view

CHAPTER 7

SOFTWARE TESTING

Test the system is one of interesting and important part in software engineering. The main goal of software testing is, the system should working according to the requirements of the customer and to convince the system developer and customer, that the software is good enough to meet the requirements of the customer and works according to the customer requirements. Testing makes the system more reliable, increase the performance of the system. There are some pre-planned set of activities that are performed for testing the software systematically.

7.1 CATEGORIES OF TESTING

Unit-Testing

Apiece elements of the scheme are verified to mark surefire that all segments mechanism agreeing to the serviceable chucks. The consequence acquired thru accurate involvement charge & the fallouts acquired thru erroneous contribution ethics are corroborated & corroborated affording to the necessities. By read-through apiece of segments commencing login just beforehand logout progression. At this point username & secret code are vital to crisscross whether manipulator is consuming accurate username & secret code or not. Far ahead succeeding route of satisfying the fine points of the persistent or sanatorium will crisscross consuming vital ethics.

Integration-Testing

The linkage amongst altogether segments is verified for the accurate performance to deliver to the anticipated productivity. Triangulation from end to end all the segments is obligatory & which are accomplished in incorporation challenging. Where in the scheme entirely segments are entombed allied to apiece extra to login to diverse folio. At this point formerly manipulator thrive in login progression formerly solitary manipulator can come into the succeeding folio wherever folio given that to the user.

System Testing

As soon as entirely the Segments are coupled, it is veteran as a sole scheme. This analysis is ended several eons as a progression of authentication & endorsement. The connectivity plaid subsequently the amalgamation is verified consequently. Scheme is the permutation of all altered segments laid-back to slog accurately. Thus this trials the all-inclusive scheme whether all are in succession accurately or not.

7.2 Test Cases

Table No.7.2.1:

Serial No	Test Condition	Expected Results	Test Results
1	Entering Invalid User-name & Pass-word	Should not be allowing for permit to application.	Pass
2	Entering Valid Username and Password	Should allow moving respective Page.	Pass

Table No.7.2.2:

Serial No	Test Condition	Expected Results	Test Results
1	Entering Invalid User-name and Pass-word	Should not be allowing to Permit to application.	Pass
2	Entering valid Username and Password	Should allow moving respective page.	Pass

Table No.7.2.3: **Admin Login Page**

Serial No	Test Condition	Expected Results	Test Results
1	Entering Invalid User-name and Pass-word	Should not be allow to Permit to application.	Pass
2	Entering Valid User-name and Pass-word	Should permit to move respective folio.	Pass

Table No.7.2.4: **Admin Registrations**

Serial No	Test Condition	Expected Results	Test Results
1	Entering name	Should text or else error message	Pass
2	Entering Username	Should enter correct username.	Pass
3	Entering password	Should enter correct password.	Pass
4	Entering phone no	Should be number with in 10 digits	Pass
5	Entering email	Should email format or else error message	Pass
6	Click on "Login"	Should accept and login page.	Pass

CHAPTER 8

CONCLUSION AND FUTURE ENHANCEMENTS

The conclusion and future enhancements are explained for giving user an overview of the project and functionalities to be added in future.

Conclusion

In this work, we recommend a work of fiction system on behalf of land evaluation. Specifically, the proposed structure can yield equally area & the photographic properties keen on thought. The assessment of the anticipated exemplary on dual chose urban communities recommend the viability and adaptability the model. For sure, our effort takes likewise accessible new-fangled methodologies of smearing profound Neural systems going on chart organized information. We trust our exemplary can contribute bits of knowledge proceeding land evaluation, yet in addition can rouse others on utilizing profound neural systems on chart organized information.

CHAPTER 9

Future Enhancement

Land Image Enhancement giving your customers various great pictures won't just give you the edge. Spellbinding photographs are what homebuyers are continually searching for. They can essentially draw in purchasers.

The term 'shrewd land' has been instituted to depict innovation based stages which encourage the utilization of property for proprietors, directors and occupiers. As you can figure this is firmly identified with the more extensive idea of 'shrewd urban areas'.

CHAPTER 10

BIBLIOGRAPHY

Books Referred

[1]A. Achaia, S. Goldwasser, and V. Vaikunta-nathan. Instantaneous unshakable tads & Cryptography alongside retention spasms. In TCC measurements 5444 of Oration Summaries in Supercomputer Learning, summons 474–495.Springer, 2009..

[2] A. Bold-Yerevan, V-Goral, and V. Kumar. Identity-based en-crypt ion with competent overturning. In P. Ning, P. F. Myerson, and S. Jha, editors, ACM Consultation on Computer and Communications Sanctuary, pages 417–426. ACM, 2008..

[3] K. Liang, Z. Liu, X. Tan, D. S. Wong, and C. Tang. A cca-secure identity-based restrictive proxy re-encryption without haphazard visions. In T. Kwon, M. -K. Lee, and D. Kwon, editors, ICISC, volume 7839 of LNCS, pages 231–246. Springer, 2012…

[4] A. Sashay, H. Seyalioglu, and B. Waters. Dynamic credentials and cipher text delegation for attribute-based encryption, 2012…

[5] J. H. Sew and K. Elmira. Efficient delegation of key generation and revocation functionalities in identity-based encryption. In E. Dawson, editor, CT-RSA, volume 7779 of Lecture Notes in Computer Science, pages 343–358. Springer, 2013..

[6] V. Varad-Harajan and U. K. Tupakula. Security as a service model for cloud environment. IEEE Transactions on Network and Service Management..

[7] H. Wang. Dictate attestable data custody in public hazes. IEEET.Services Computing, 6(4):551–559, 2013…

[8] . Zhu, G.-J. Ann, H. Hu, S. S. yaw, H. G. An, and C. Hu. Dynamic audit services for outsourced storages in clouds. IEEE T. Services Computing, 6(2):227– 238, 20…

[9] Q. Tang, P. H. Hartley, and W. Junkers. Inter-domain identity-based proxy re-encryption. In Young, P. Liu, and D. Lin, editors, Ins crypt, volume 5487 of Lacto Notes in Computer Science, pages 332–347. Springer, 2008...

[10] J. K. Liu, F. Boo, and J. Zhou. Short and efficient certificate-based signature. In Networking Workshops, volume 6827 of Lecture Notes in Computer Science, pages 167–178. Springer,2011...

[11] T. Matsuo. Proxy re-encryption systems for identity-based encryption. In Pairing '07, volume 4575 of LNCS, pages 247–267. Springer, 2007…

Website Referred

http://freeproject.co.in/ppt/Courier-Service-Automation-System.aspx?pf=Java&t=web

www.codelessplatforms.in/blog/blog/courier-integration-with-erp-systems/

www.projectsgeek.in/2013/05/07/courier-management-system-mini-project.html/

www.freeprojectz.in/premium-synopsis/synopsis-courier-management-system