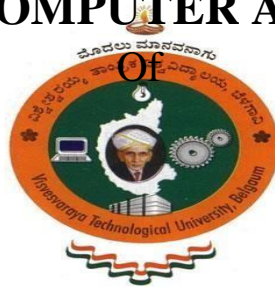


A project report on

**SEMANTIC PROFILING WITH
ALGORITHMS AND COMPETITIVE
UNDERSTANDING**

Submitted in partial fulfillment of the requirement
For the award of the degree

MASTER OF COMPUTER APPLICATIONS



Visvesvaraya Technological University
Belgaum, Karnataka

By

**PALLAVI N
1CY18MCA60**



**CMR INSTITUTE OF TECHNOLOGY
132, IT Park Road, Kundalahalli,
Bangalore-560037
2019-2020**

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Under the guidance of

Internal Guide

Mrs. Varsha Pawar
Assistant Professor,
MCA Department,
CMR Institute of Technology,
Bangalore.

External Guide

Mr. Sagar VP
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Bangalore.



CMR INSTITUTE OF TECHNOLOGY

132, IT Park Road, Kundalahalli, Bangalore-560037

2019-2020

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



CERTIFICATE

This is to certify that the project work entitled

Semantic profiling with algorithms and competitive understanding

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

Pallavi N

1CY18MCA60

during the academic year 2019-2020.

Signature of the Guide

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Asst. Professor, MCA

Signature of the HOD

Mrs. Gomathi. T
HOD, MCA

Signature of the Principal

Dr. Sanjay Jain,
Principal, CMRIT

External Viva

Name of the Examiners

- 1.
- 2.

Signature with date

DECLARATION

I, **Pallavi N**, student of 6th Semester MCA, **CMR Institute of Technology**, bearing the USN **1CY18MCA60**, hereby declare that the project entitled “**Semantic profiling with algorithms and competitive understanding**” has been carried out by me under the supervision of External Guide **Mr. Sagar VP**, Project Manager, and Internal Guide **Ms.Varsha Pawar, Assistant Professor, Dept. of Master of Computer Applications** 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 reports has not been submitted to any other University or Institute for the award of any degree or certificate.

Place: Bangalore

Pallavi N

Date:

(1CY18MCA60)

ACKNOWLEDGEMENT

I would like to thank all those who are involved in this endeavor 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. Sagar VP Project Manager, Fincore Technologies, Bangalore, and to my Internal Project guide Ms. Varsha Pawar, Department of MCA, CMRIT, Bangalore without whose help and support throughout this project would not have been this success.

I am thankful to Dr. SANJAY JAIN, Principal, CMRIT, Bangalore for his kind support in all respect during my study. I would like to thank Mr. Sagar VP, Project Manager, Fincore Technologies, Bangalore, who gave opportunity to do this project at an extreme organization Most of all and more than ever, I would like to thanks my 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.

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CERTIFICATE

This is to certify that the project titled "Semantic profiling with algorithms and competitive understanding" is submitted to Fincore Software's in fulfillment of the requirement for the final semester degree of MCA from CMR Institute of Technology, Bangalore. The project is a bona fide record at work carried out by Miss. Pallavi N (1CY18MCA60) under the supervision and guidance of Mr. Sagar VP (Technical Manager) Fincore Software's, Bangalore between the periods from 23/12/2019 to 27/5/2020.

The source code of the Project and executable file setup is not issued to the trainee as per the policy of the company. Screen print for the application is provided in limited no's.

Regards,

FINCORE
Mr. Sagar VP 432-A, 2nd Block
Kalyan Nagar
Technical Manager Bengaluru-560 043

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1 Introduction

1.1 Project Description:

Multiple initiatives are required for the business plan perception design so the system is being design into multiple categorical references where different types of Information and knowledge surveillance can be incorporated. All the systems incorporated with different types of knowledge references various types of categorical platforms are also provided which can be substituted for the related information gathering. The system is included with multiple types of categories of settings which is provided to the administrator so that any type of conditional references that are required to be acknowledged can be properly add. When the administrator will be added the administrator has to do the setting performance which includes the selection of the platforms and this is done on a reference mode and if any type of selections are not made the referential automation will be provided.

The integration of the activities are related in such a move that any type of Differential requirement can be properly associated. The acknowledgement of the working is also provided in terms of multi-user gathering and multiple types of fraction Division with the help of the preference option. The users are required to perform different types of activities for which administrator will be selecting a space and related activity as different types of research considerations is associated. Any type of research provision that is required to be included within the system is provided so administrator is required to setup the replication it can be based on different types of situation analysis for the related key factor analysis for the related link optimization analysis etc.

As the conditional references are selected the system will provide the structural information based on the workability requirements so pre-draft is prepared and provided so that the end user should not have any type of replication problem. As the drops are provided all types of related considerations will be presented to the users but still the users will be provided with multiple types of customization options so any type of related customization that has to be achieved can be properly organized. At the customization options will be selected the related information draught will change and this will help the users to monitor information in real time. The information monitoring is very much important when any type of related perception planning understanding is required to be design because all types of decision making is based on the knowledge so that system provides the related knowledge and even it is in the real time format for better understand ability and for better impact.

Conditional references that are provided to the users can be modified anytime so the users will be provided with multiple types of conversion options and The Sharing options. The related references that are designed in the format of statistics can we convert an as the conversion undertaken it can be selectively acknowledge to a particular platform. All types of reference support are provided to the user so that any type of related conditions is required to be satisfied it can perform.

The condition references are very much important and have to be properly generated so the conditional workability will be designed for the users in such a way that multiple types of references can be accomplished in parallel. Analytical considerations are also provided so any type of related reference is based on data points and has to be acknowledging with detail charts and graphs can be also organized. The system provides multiple references of the charting which is helpful because the charting will help us to provide more acknowledged information and references based on critical Matrix that is gathered and provided.



Conditional perception is shown

The references of acknowledgements based on the information are also supported with the help of notifications and updating where the system will provide the information in automated format and even if required it can be triggered with the help of a definition. All types of mechanism that are required in terms of data science is provided within the system which will include all types of modeling formation and all types of mining formations because the system is incorporated with different types of statistical consideration that has to be achieved and model. Concept understanding the initiative that is required by all types of organizations of the system is provided on the surface basis so any type of organization related to any type of preferential understanding can utilize the system at any point of time and from any type of network based on the accessibility considerations the provider has been given.

1.2 Company Profile:

FINCORE



The organization offers different business idea based administrations and answers for various associations in various segment contemplations with all the help required. Various sorts of Technologies and fixation has been attempted to give all planned accomplishment to the customers as every thought will be appropriately composed and inquired about before the executing arrangement is structured.

The firm was set up in 2009 gives an incorporated situation working regarding worldwide business streamlining and useful working contemplations. The organizations related with different monetary pursuit and Analytics where different view of data mining pictured effect report configuration has been attempted with worldwide working situation. The organization gives an efficient structure attempting to the related customers. The organization offers a wide scope of mechanical working which incorporates the specially craft of the assets as per the customer discernment or the in-house items that are hand crafted such that it can give different functionalities to the associations and even can be exclusively utilized.



Business driven progression will be given to each and every client and according to the requirements.

Raised necessity streamlining as for the work transport.

Application testing.

In-house items.

Interview regarding execution.

Movement administrations.

Money related conference.

Custom applications.

2 Literature Survey

2.1 Existing System and Proposed System:

Considerations of existing system are being outlined by interviewing different types of lines based on the related critical factor analysis activities they perform. The exploratory understanding that has to be achieved is quite difficult because we have to analyse the references properly so we have check that for different types of understanding different types of considerable tools are required. In existing system the considerations of systematic profiling with structured algorithm some not support which require lots of expert references in it will be requiring more investment. The considerations of analysis are quite difficult to be recognized in the existing system because the working references are different and requires expert inclusion.

Some of the problems in the existing system scenarios are listed as below-

- ✚ In the existing system the conditional references that are required in terms of different types of perception analysis is not organized from a single reference and for different types of conditional planning revisions different types of tools and Associates required.
- ✚ In the existing system even different stages of data science is not supported to be included from a single stage and for all types of data mining structuring and visualization concepts different types of reference resources are utilized.
- ✚ Consolidated structuring of the information is not provided by the system in the existing scenario and the information structure is required in the manual provision obviously requiring experts.
- ✚ In the existing scenario we have also accomplished that the type of division which we require when large data set is acknowledged for more creative analysis is not provide it because lots of compatibility and working problems are acknowledged.
- ✚ In the existing system even the related synchronized updates which are required is also not supported because the data sets are copied and then analyzed so real-time orientations are not provided.
- ✚ Various types of conversion and various types of sharing aspects of the data that will be generated is also quite difficult as each platform required for the sharing has to be incorporated individually with setup elaboration and security elaborations.
- ✚ Multiple considerations of refinement is also quite difficult to be implemented so that way the information is required to be monitored has different types of difficulties for example the type of graph description required for any type of custom formulations in the existing system.
- ✚ Various types of conversion and various types of sharing aspects of the data that will be generated is also quite difficult as each platform required for the sharing has to be incorporated individually with setup elaboration and security elaborations.

Proposed system:

Technology in different considerations if taken and it is being consolidated in such a way in the proposed system that multiple types of perceptions can be categorized and the users will have a reference in understanding about different types of critical information. The acknowledgement that is provided will provide competitive understanding and Exploration of different types of information which is required by the organizations to acknowledge all types of planning perceptions and forecasting.

Some of the important references that are taken in the proposed system are as below:

- ✚ Perception analysis with single interface inclusive of all types of integration is associated in the proposed system this will have a new definition of analysis provided to the users. Self-conditional requirements can be established and all types of working can be customized according to the needs.
- ✚ Multiple stages of the data science is included in all the occurrences of the stages are provided with consolidation and acknowledgements multiple considerations are included which have to be redefined and has to be obtained with different types of settings making it easier for the users.
- ✚ Structuring consolidation are provided in a pre-built format so the requirements of the experts are limited and is very much helpful because the references that have required for the structuring it's quite difficult and has to be elaborated but in the proposed system define the structure is provided.
- ✚ Scenario understanding which was needed when lots of data is analyzed is also provided in a easier format in the proposed system because any types of required modifications and structuring can be directly established.
- ✚ The conversion requirements and The Sharing requirements for different types of platform support and for different types of conversion provisions are also acknowledged. The proposed system in built with multiple types of convergence and sharing requirements which can be properly selected and utilized.
- ✚ Information refinements in different types of chart formats and allocation formats is also provided in the proposed system so real time monitoring considerations can be properly achieved. Different types of consideration are required to be referenced detailing of the required and we have to associate all options for the system is included with all requirements on a single place.

2.2 Feasibility study:

Feasibility reference will help us to make proper planning and as we require a proper planning for proper development references we have to accomplish the feasibility study. Feasibility considerations are important and has to be categorized and has to be referenced before the system is designed so before the system is designed we have to check all types of technological processes that will be included and how the technological usage will be incorporated whereas all types of operational and financial needs will be also discussed.

Technical feasibility

Operational feasibility

Economic feasibility



Technical feasibility

Technical references are important because we have to promote different relationships between the technology and the processes that will be included within the system.

The technological requirements are important and has to be discussed in such a way that proper outlining and reflect mechanism based on different conditional working should be outlined.

The conditional usage of the system in multi variations will be checked and we require that all types of requirements based on the conditional outputs which are required to be provided has to be properly referenced so that proper design can be organized.

Types of conditional discussions will be properly elaborated because we require that references of the technology should be properly related and all types of relation should be established properly.

The users will be provided with detailed resources and even environment setup will be created so that better workability can be established.

Operational feasibility

Usability of the system has to be properly provided in a promotional format so that users can work in easier construct.

More references of the working is required to be achieved so the users will be provided with the details support and detailed documentation.

Even the users will be provided with in house training which will be based on different types of hierarchy and conditional working provided by the system so that more operational work reference can be achieved.

Economic feasibility

Economic references are important to be achieved because we want that economic play an important role and as the economic considerations are outlined we require that all types of phases and the required investment should be properly calculated.

All types of monetary support will be provided by the Angel investors and even the board will be having all types of related references of environment.

Economic considerations based on liquidity has to be properly established and all types of references of workability liquid it should be properly documented in the format of reports so that better accomplishment can be achieved.

2.3 Tools and Technologies Used:



C# licenses various types of irregular state tongues executable codes with Runtime condition as it is planned for fundamental language structure. C# is a bit of spot net framework and it will in general be collected on arrangement of PC stages where as it is much more straightforward to learn and it is addressing centered which suggests it's entirely usable. It is moreover arranged with the section and even we can say it is a sorted out language.

Microsoft gives the accompanying advancement apparatuses to C# programming:

- (VS) Visual Studio 2010.
- (VCE) Visual C# 2010 Express.
- Visual Web Developer.

MYSQL

For making sure about controlling and recovering the store information in a social database we will be utilized in formed solicitation language.

Various endorsements can be set out to the related methodology perspectives and tables.

Awards creation and the main gathering of database and tables.

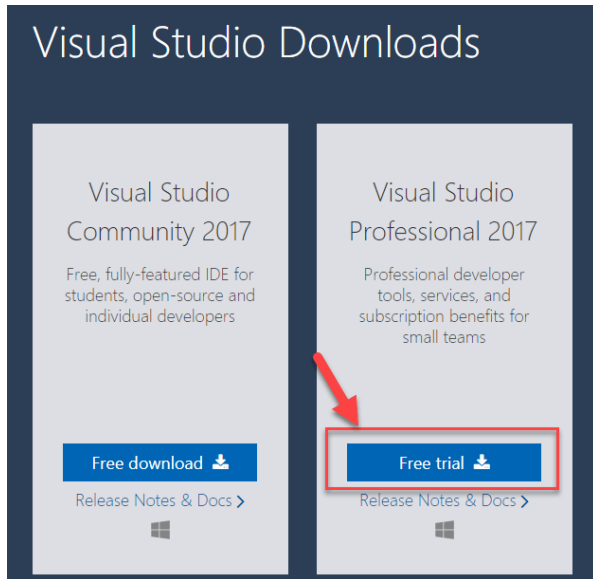
Clients are permitted to get to the information.

Controls and depict the information in the database.

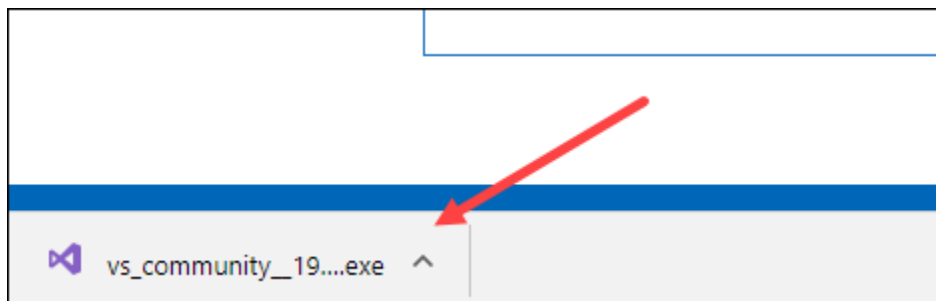
Supplement inside different vernaculars will be permitted.

Install Visual studio

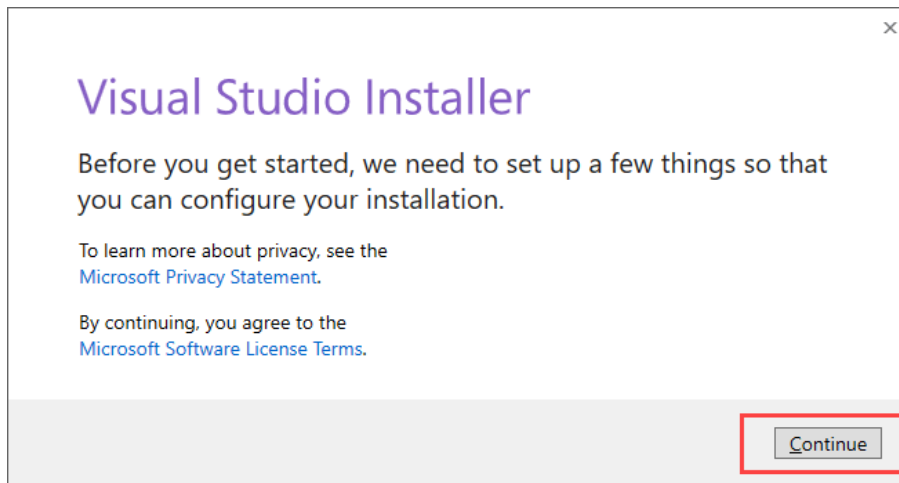
Step 1) <https://www.visualstudio.com/downloads/>



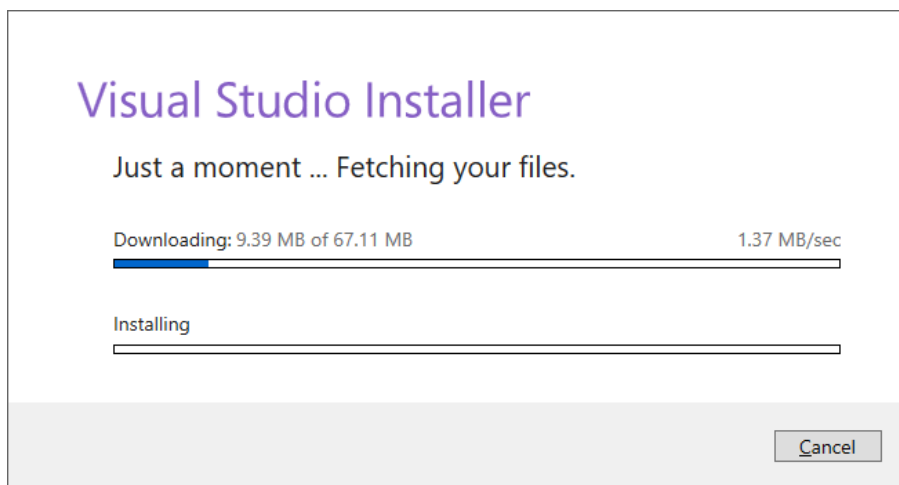
Step 2) Click on the downloaded exe file.



Step 3) In the next screen, click continue.



Step 4) downloading the initial files.




Step 5) In next screen, click install.


Visual Studio Installer

Products


Available

 **Visual Studio Community 2017**
15.6.0
Free, fully-featured IDE for students, open-source and individual developers
[License terms](#) | [Release notes](#)

Install

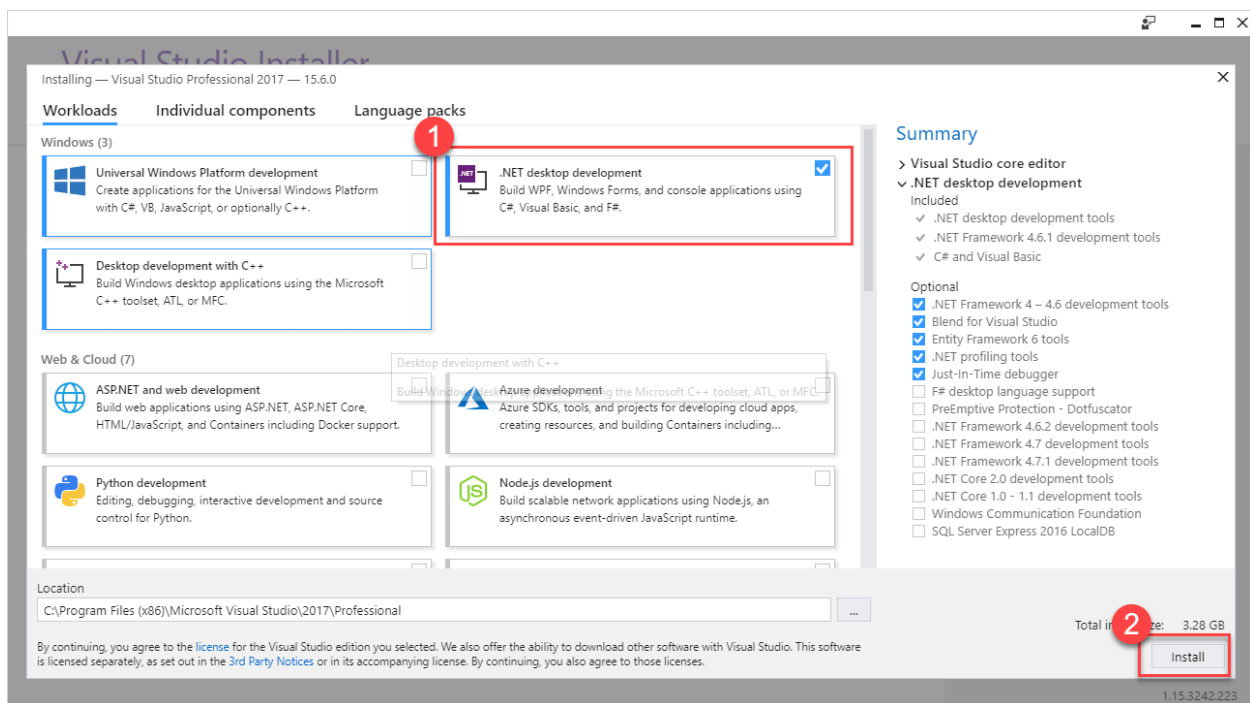
 **Visual Studio Enterprise 2017**
15.6.0
Microsoft DevOps solution for productivity and coordination across teams of any size
[License terms](#) | [Release notes](#)

Install

 **Visual Studio Professional 2017**
15.6.0
Professional developer tools and services for small teams
[License terms](#) | [Release notes](#)

Install

Step 6) In next screen.




1. Select ".Net desktop development".
2. Click install


Step 7) download the relevant files.


Visual Studio Installer

Products

Installed

 Visual Studio Professional 2017

Downloading: 74 MB of 774 MB (2 MB/sec)
9% 

Installing: package 25 of 243
5% 

Microsoft.ServiceHub

Start after installation

Step 8) Post reboot, open the Visual Studio IDE.

2.4 HARDWARE AND SOFTWARE REQUIREMENTS:

Hardware requirements:

Computer processor -4th generation Intel core i3.

Clock speed -1.7 GHz.

Hard Disk -500 GB.

Space RAM -4 GB.

Software requirements:

Operating System: Windows.

Visual studio 2019: To handle C# code.

NET Framework 4.7.1: To handle environment.

Sql server 2014/Oracle: To maintain database.

Cloud service integration- Amazon S3 or EC2

3 SOFTWARE REQUIREMENT SPECIFICATION

Users:

Administrator:

Administrator is a person who will be having the draft structure preparation rights so that different types of work drafting can be done and acknowledgement can be properly associated. The refinement of the work based on different types of criteria will be done by the administrator as a detailed setting will be provided by the system.

Associates:

Associates are related with different types of considerations of work so they will be entering the system to perform a particular job that is being assigned to them. Associations can be properly achieved and can be accomplished even in multiple team provisions.

Scope and objective:

The scope of the system is that the system can be refined properly in different types of categories to established different types of critical information references which is incorporated an inbuilt for easy reference.

The objective of the system is that related conditions can be set up multiple categories can be organized and different references of analytical perceptions can be organized from single interface.

Assumptions and dependencies:

The related assumption of the system is that conditional knowledge about the terms that are included in the report should be known to the users then only they will understand the information that is provided by the system.

The dependency of the system is that for understanding the considerations of the information related login is required and even the work reference conditions are required to be set up by the administrator for the user usage.

Problem statement:

Problem reference is that categories are required to be added where conditional references are required to be acknowledged which makes it quite complex as the integrated structuring has to be provided by the developers.

Considerations of information gathering and data science revision for required to be established on a single system.

3.1 Functional requirements:

Functional associations are important and has to be achieved in terms of related knowledge about how the system is processing the requirements based on inputs and outputs and even all types of features that acknowledge is also needed to be established properly.

Data science perceptions:

Use Case Name	Data science perceptions.
Trigger	Settings
Precondition	Authentication
Process	<p>Data science perceptions are included where the system is incorporated with multiple synchronized steps that will be acknowledged as the workability will be considered. To process the information according to the phases In the channels that is required so for users it will be easier to acknowledge the data science possibilities with the help of the system.</p> <p>System is refined with multiple options which can be utilized and the consideration will be supported and provides all compatibility references.</p>
Post-condition	Added phases seen.

Reference data:

Use Case Name	Reference data
Trigger	Selective
Precondition	Authentication
Process	<p>Data that is provided into multiple categories can be customized because the system also provides the categorical filters and this will help the users to acknowledge the information with proper monitoring.</p> <p>References of the data will be processed according to the filter options that are selected or</p>

	related to the inputs that are selected by the users. The display will be provided in a structured format with all standards followed.
Post-condition	Customization filters used.

Acknowledgements:

Use Case Name	Acknowledgements
Trigger	Data consideration seen.
Precondition	Authentication provided.
Process	Acknowledgements on the platform selection is provided where the users will be having different references of collections, any type of related selection that is required can be done through the administrative setting so multiple types of platform options are provided and according to the requirements the platform can be selected so that workability date hack acknowledgement will be fetched from those particular platform.
Post-condition	Platforms selections provided.

Positioning:

Use Case Name	Positioning
Trigger	Auto
Precondition	Data reference selected.
Process	<p>Positioning updates are provided by the system has the references are directly flashed so any type of references that have knowledge in the format of reports are regularly updated.</p> <p>The updating and synchronizations will be performed by the system automatically and if any type of condition for the reference is required then also it can be selected manually.</p> <p>Detailed positioning reports are generated and will be presented to the users with different</p>

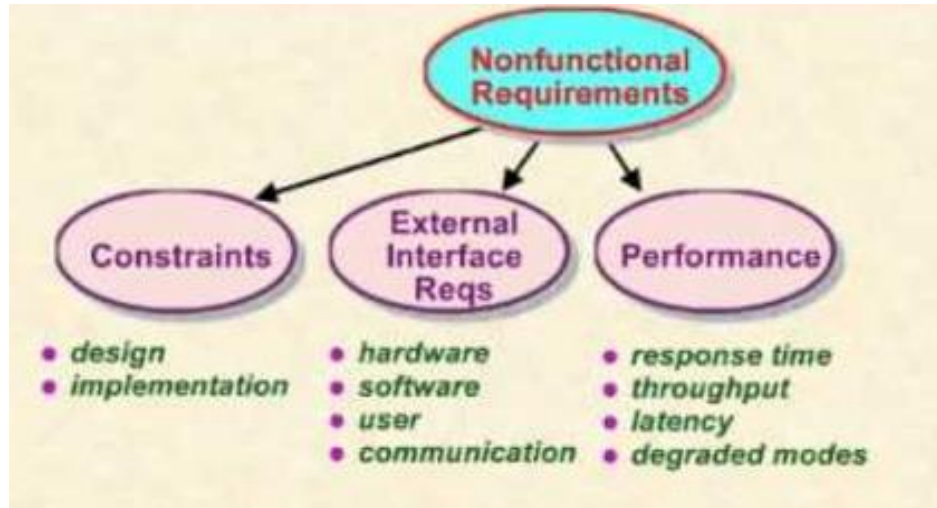
	custom filters and custom filters will be utilized by the users to modify the requirements of view.
Post-condition	Added and seen.

Users :

Use Case Name	Users
Trigger	Inputs and settings.
Precondition	Admin control required.
Process	<p>References of multi perfection acknowledgement with the help of multi user is also supported so the administrator will be having the condition of selecting multiple dashboards and different types of rights can be provided accordingly multi-user workability will be fulfilled.</p> <p>Multiple types of teams for performing different types of research considerations based on different types of semantic profiling will be provided where each team as set up by the administrator will follow the regulations of working.</p>

3.2 Nonfunctional requirements:

Associations of non-functional this is based on getting the techniques in such a way that when the users are using the system they should be having proper quality and work options so that the utility can be increased. Considerable security requirements and different types of perspectives of adaptability are also required to be provided. Multiple things will be outlined to acknowledge all types of quality preferences.



The figure above shows all the different non-functional requirements:

➤ **Adaptation:**

Adaptability is important because we have to consider that how the system works in real time according to the requirement so as the administrative will login different considerations are provided in each reference of the selection will be made where the users will be having more operational preferences based on which the system can have the acknowledge consideration or we can say that in this system can be modified and used.

➤ **Security:**

Security considerations are provided in such a way that that acknowledgement of the work can be properly summarized because each and every consideration that is provided within the system has to be accommodated on single place, the references of the security accessibility and the data security has to be properly recognized, multiple types of algorithms are included for the data security.

➤ **Documentation:**

Detailed documentations are associated so that the structuring of different types of categories that are included can be refined. Multiple perceptions of the work at acknowledgement are also required to be associated because we require that documents should be included for prospective understanding. Detailed aspects of working and different categories provided will be associated with examples.

➤ **Legal:**

Legal Association required to be accomplished because different provisions of integrated data science structuring are provided which obviously will be had directors with multiple third party platforms. The usage of the data and the circulation of the data have to be associated properly.

➤ **Robust:**

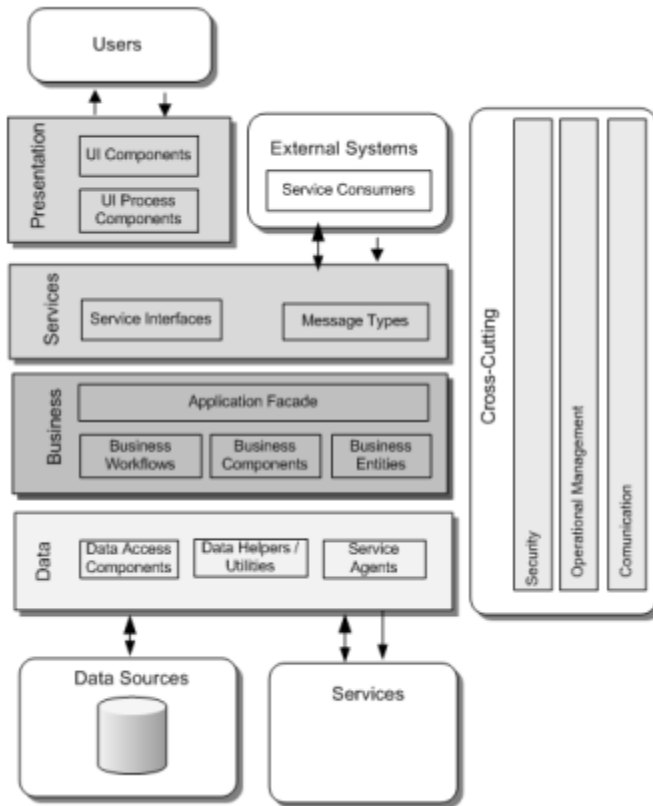
The system should be robust so any type of problem in the real time scenario that has to be established can be properly recognized. Multiple conditions that are required to be included can be referenced inside the proposed applications because we require that real time condition can be managed by the system.

4 SYSTEM DESIGN

4.1 System Perspective:

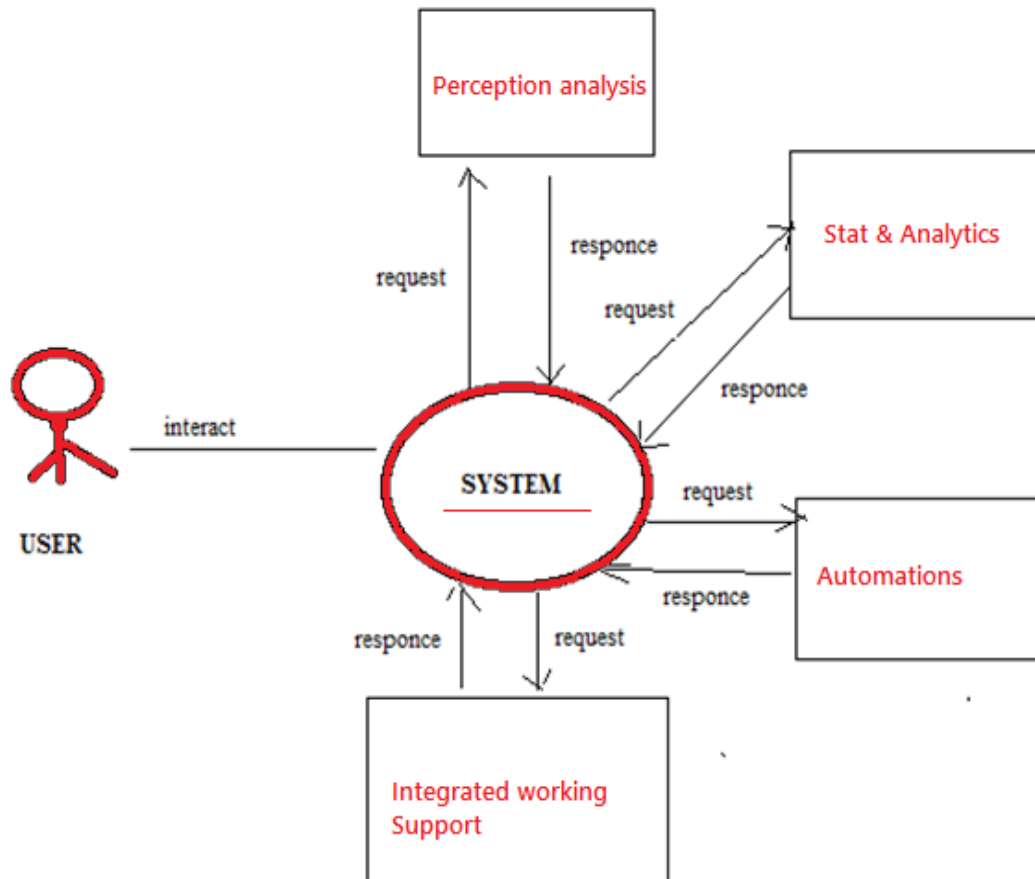
Architecture diagram:

Architecture diagram shows all types of architectural display individualized format for the viewer so that all associated information can be checked at a glance. The referential details can be acknowledged by seeing the architectural diagram.



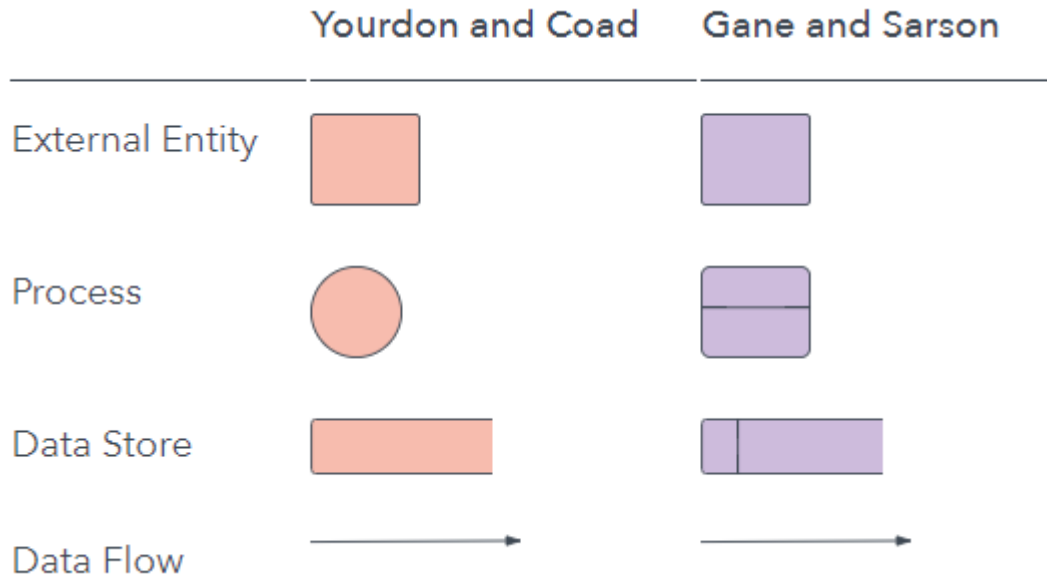
4.2 Context Diagram:

Context diagram can help the stakeholders and analysts to understand the context of the system which is been designed without any technical knowledge.

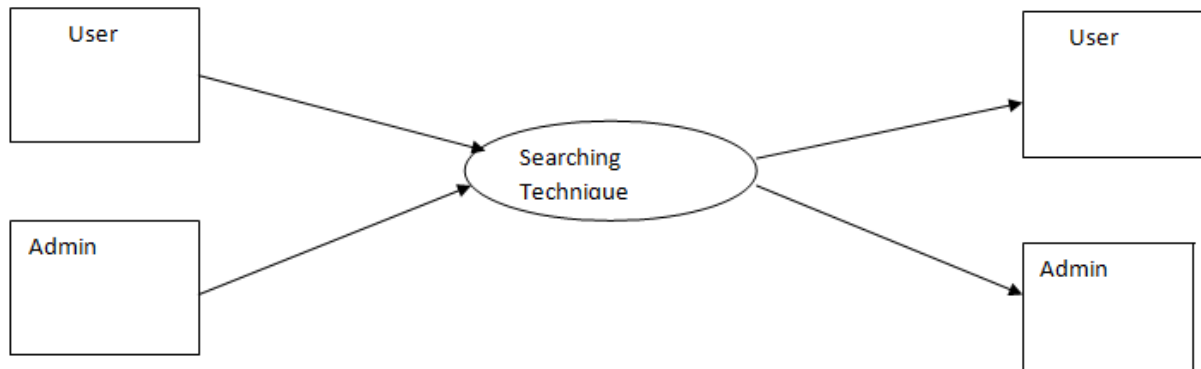


4.2.1 Data flow diagrams:

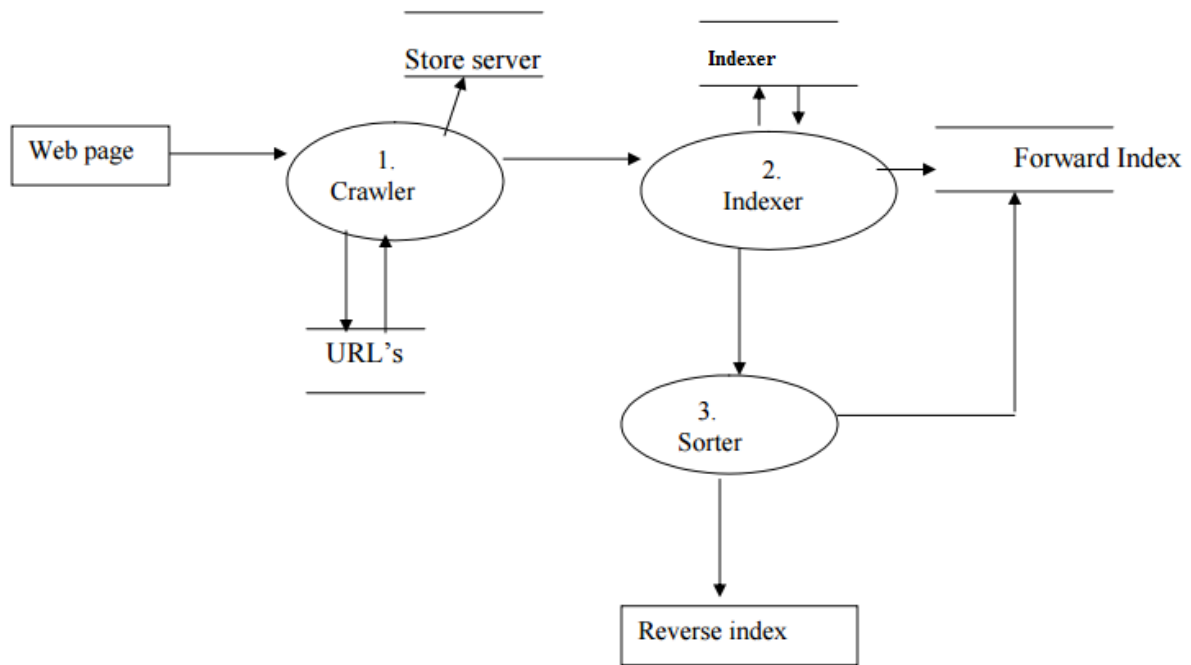
The information flow for different types of identities where the outputs and inputs are required to be established is done with the help of data flow diagram.



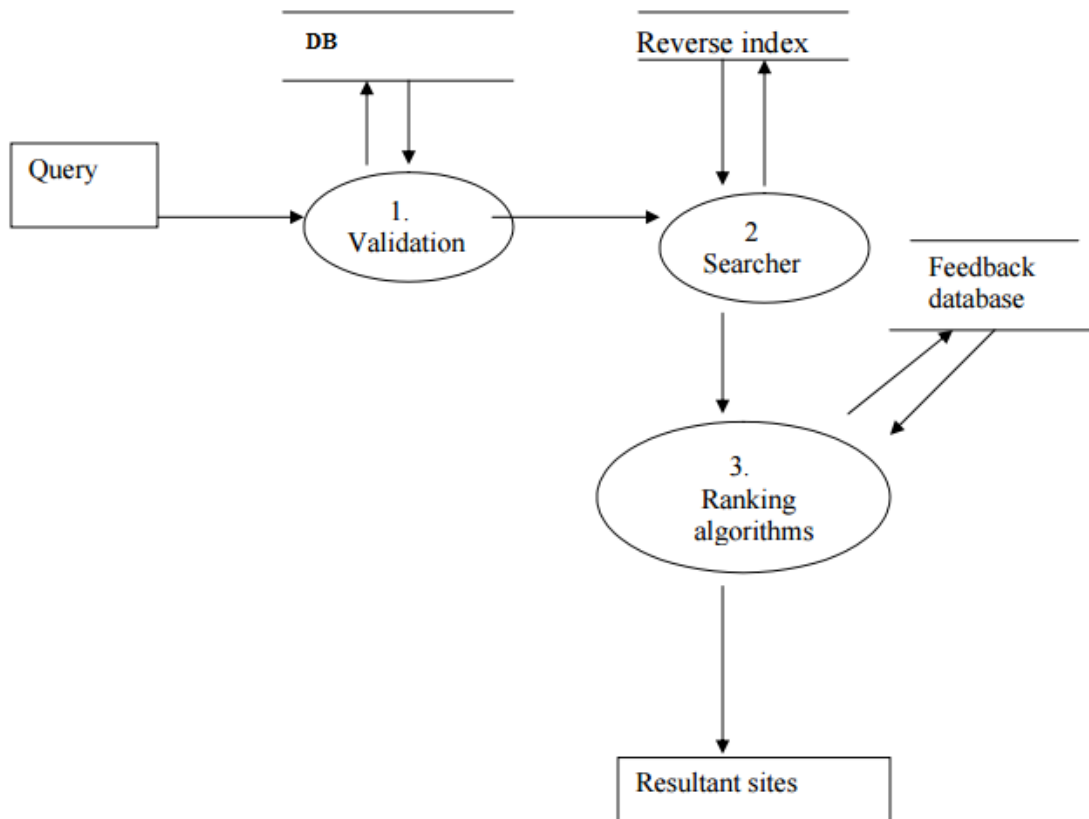
0level DFD:



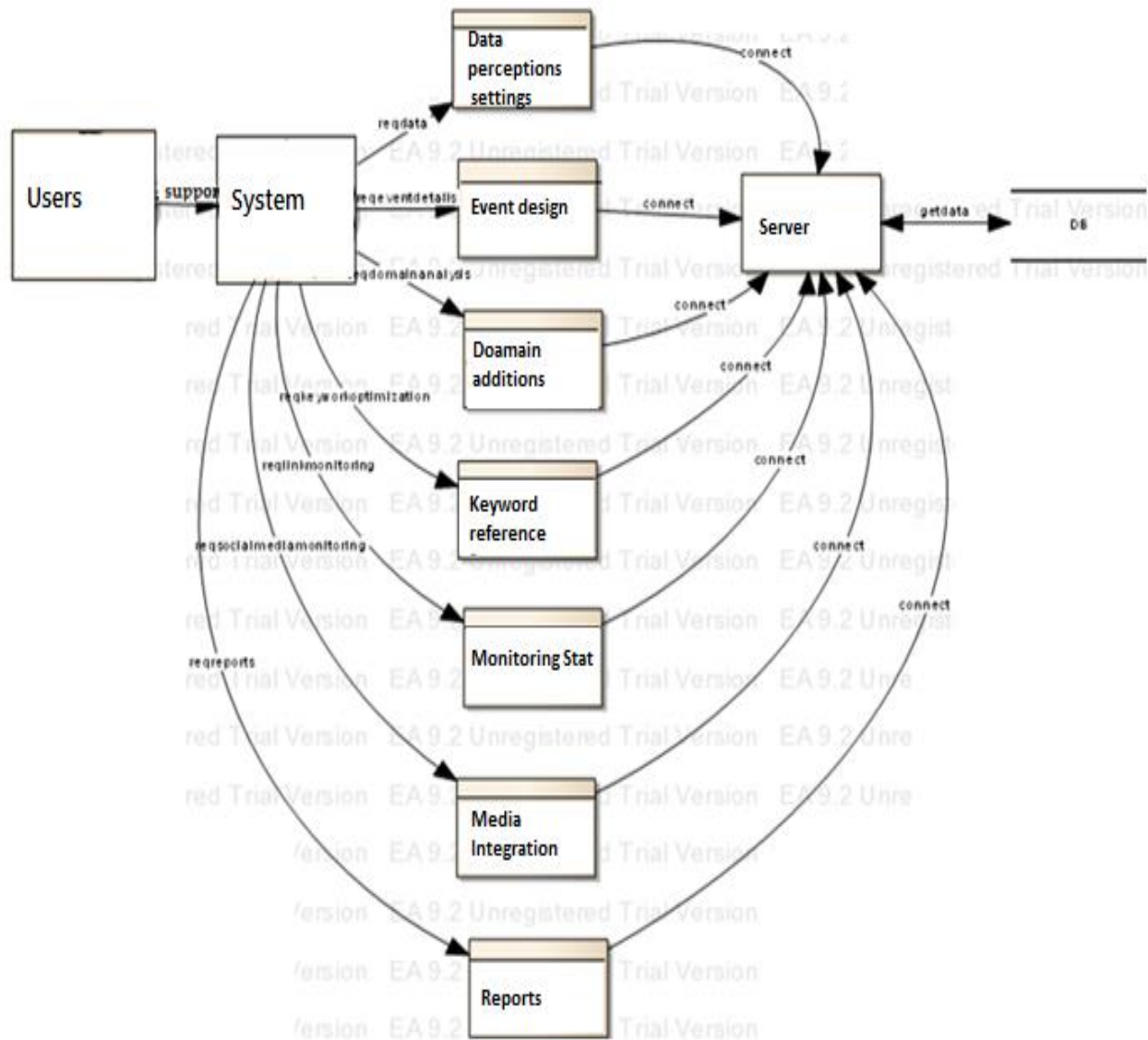
DFD of Web page:



DFD of SQL Database:



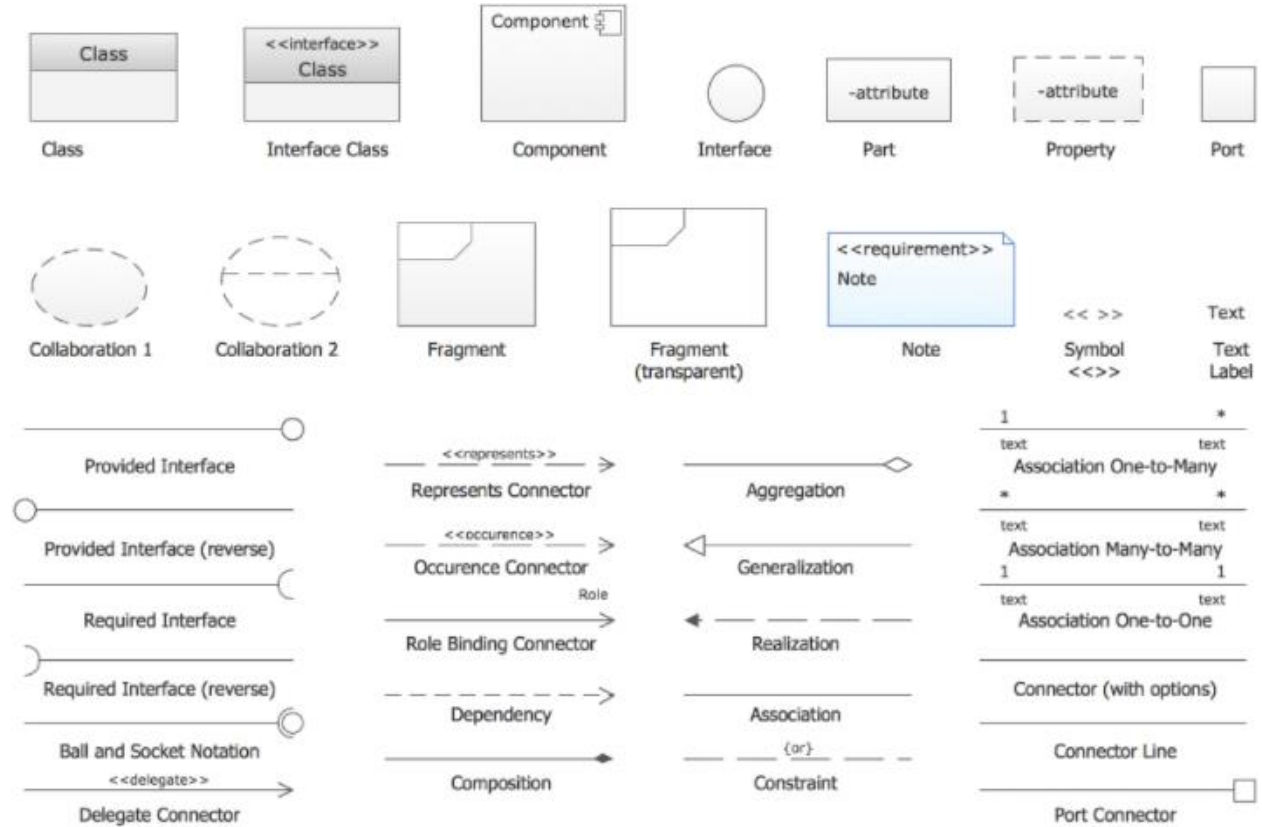
DFD of User:



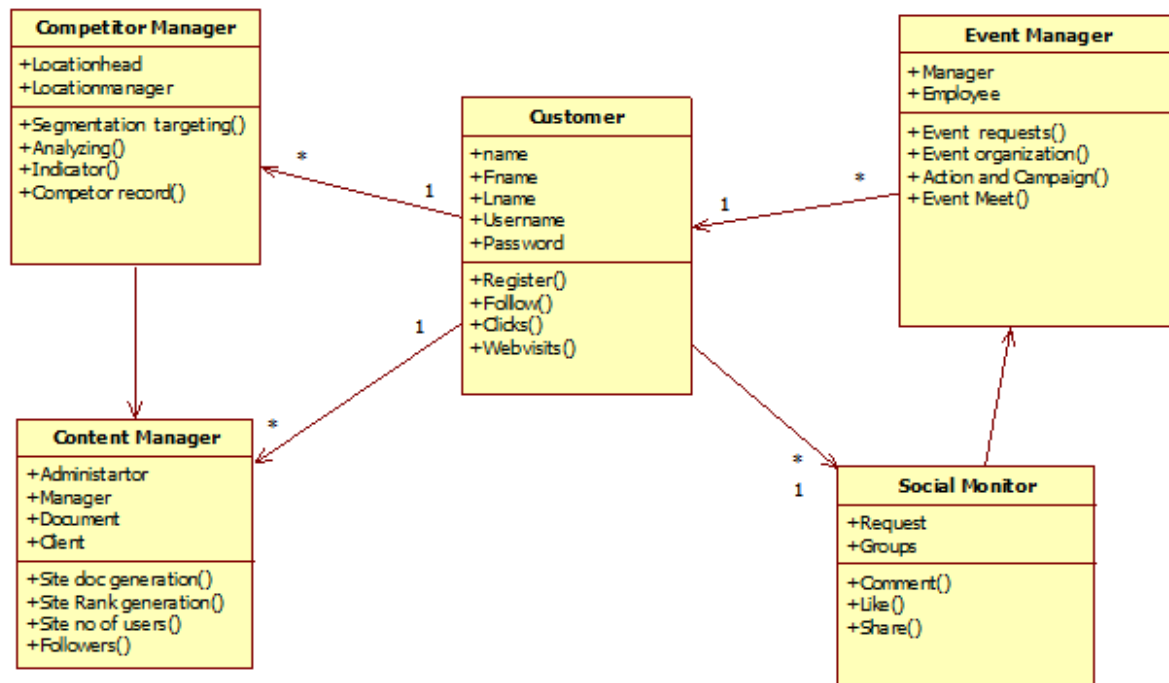
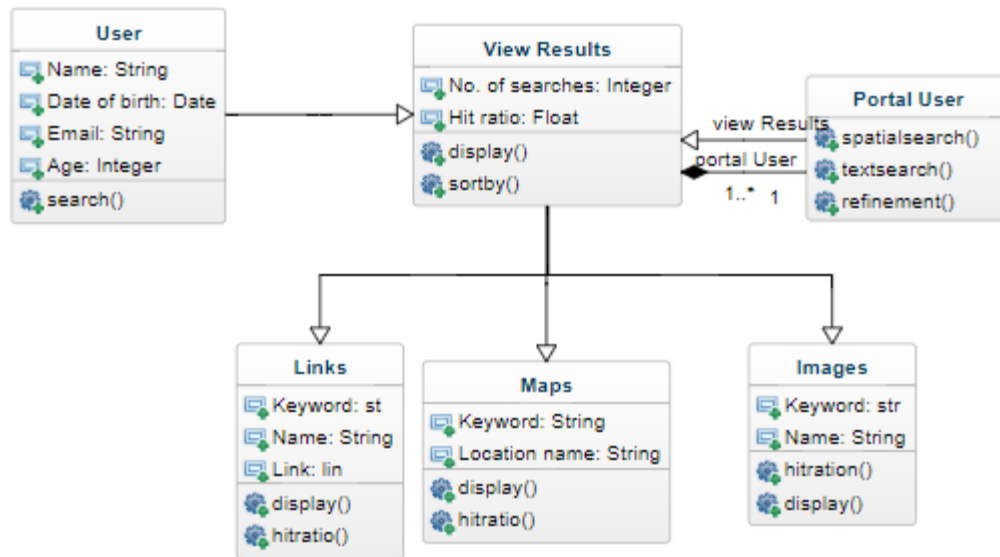
5 DETAILED DESIGN

5.1 Class diagram:

Class diagram is a reference where the structure is described in the format of classes attributes operations in the relationships.

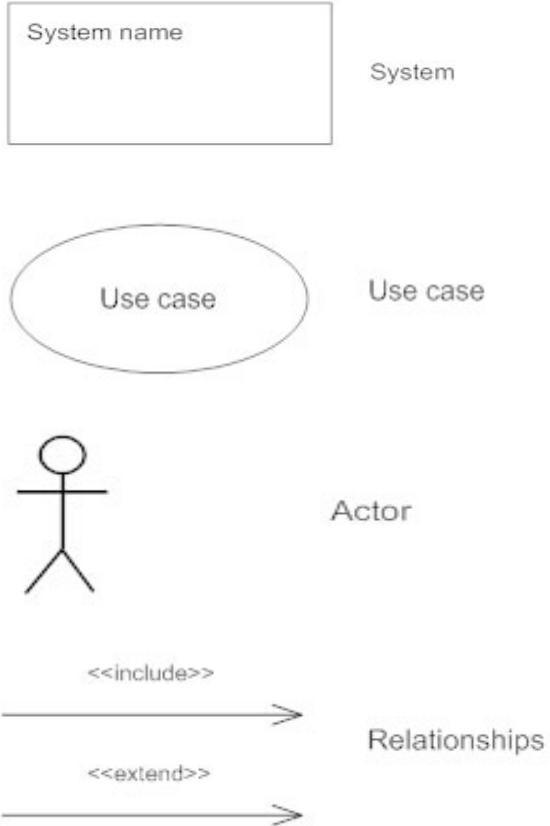


5.1.1 Class diagram for link analysis:

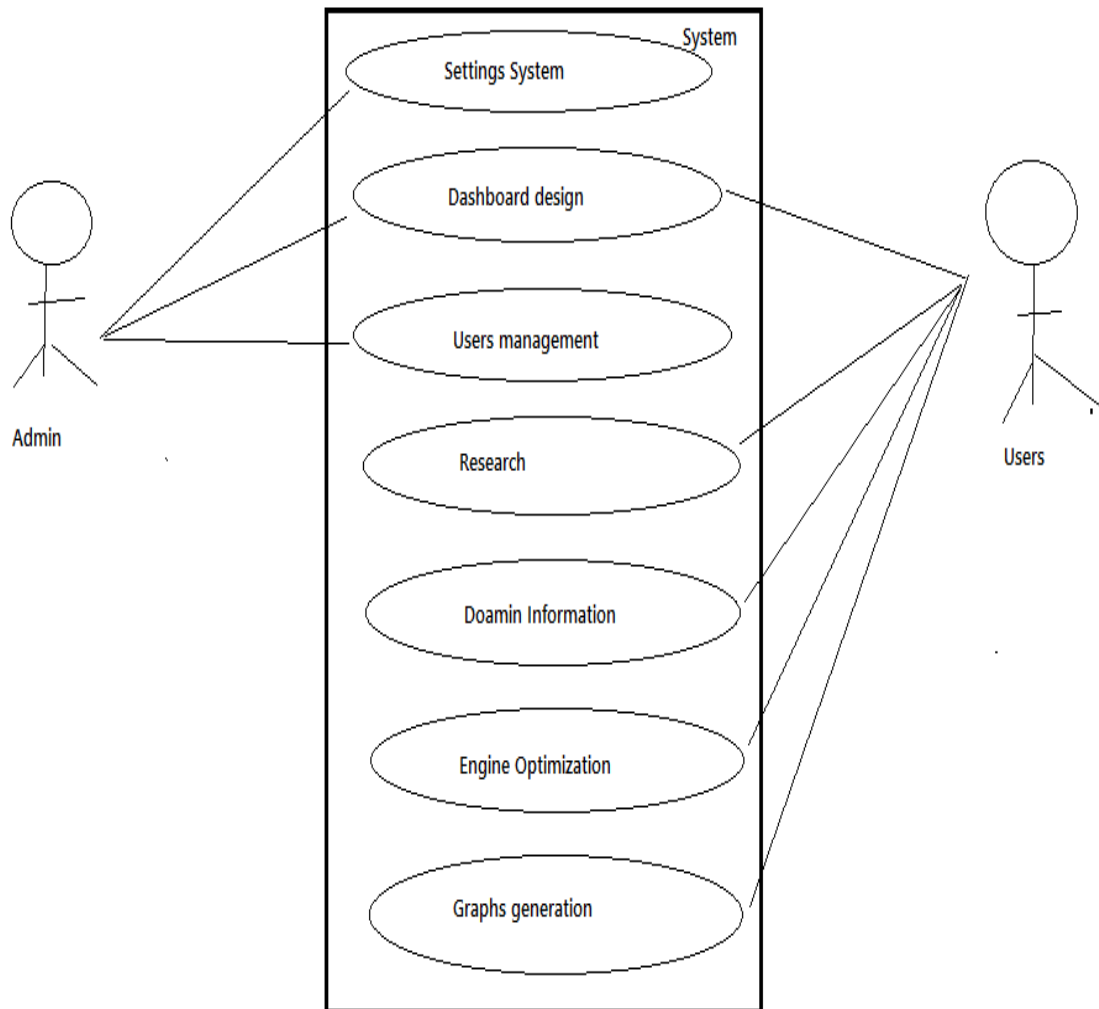


5.2 Use case diagram:

Use case diagram shows all types of interactions and relationships between the user and different types of use cases where the user is involved for the referential usage.



5.2.1 Use Case Diagram for Semantic Profiling with algorithms and competitive understanding:

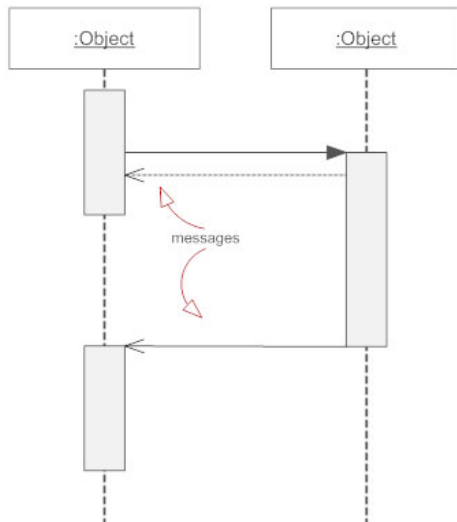


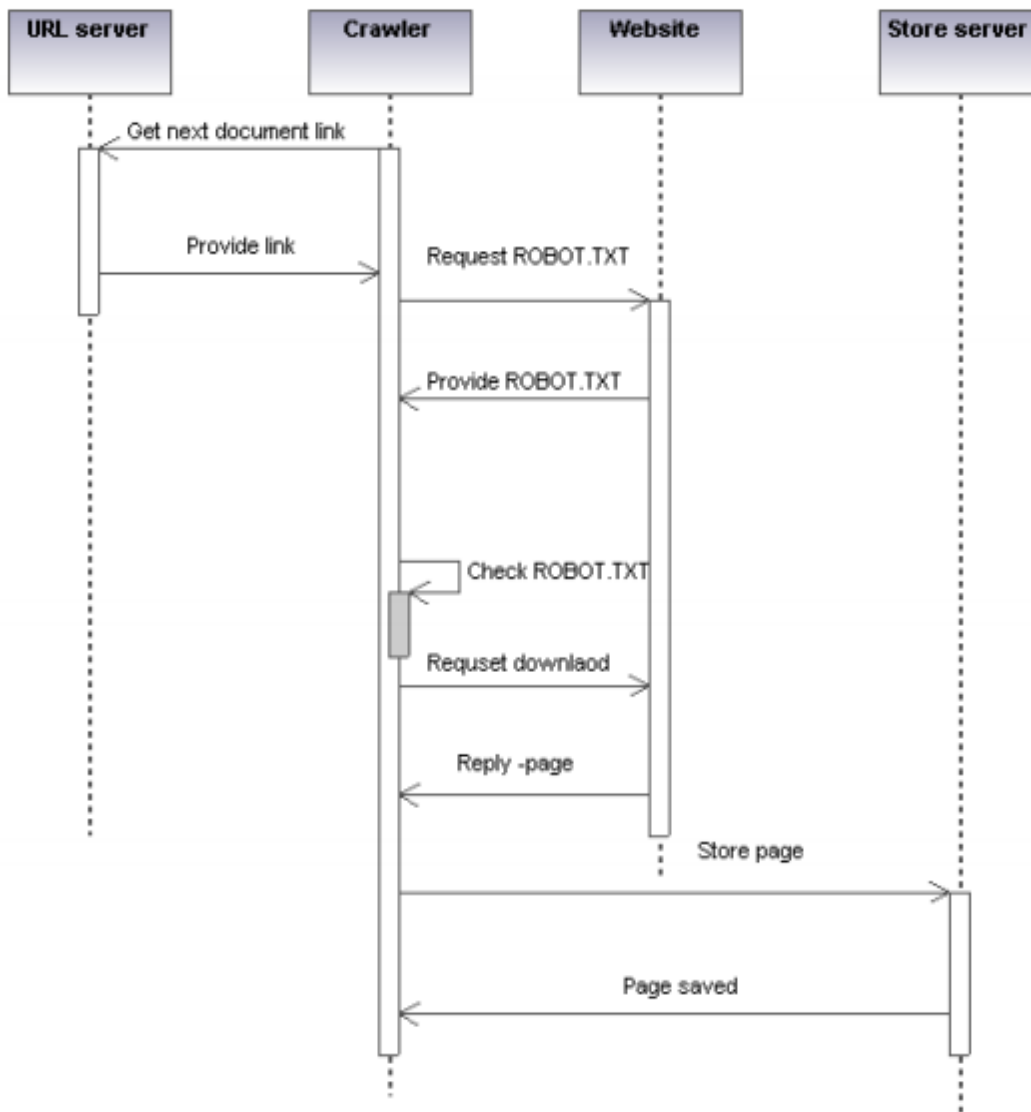
5.3 Sequence diagram:

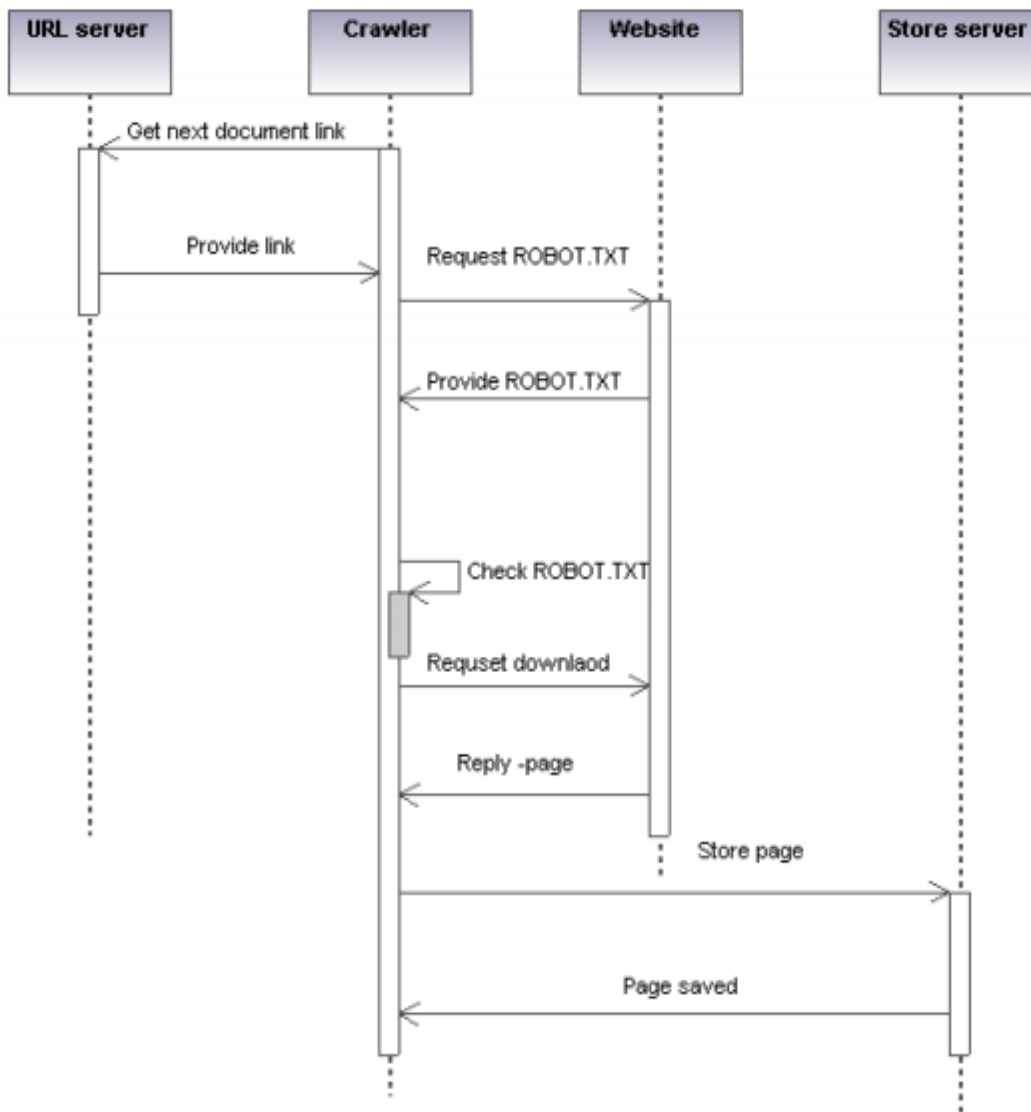
Sequence diagram shows the related external actors and the related methods invoked by these actors.

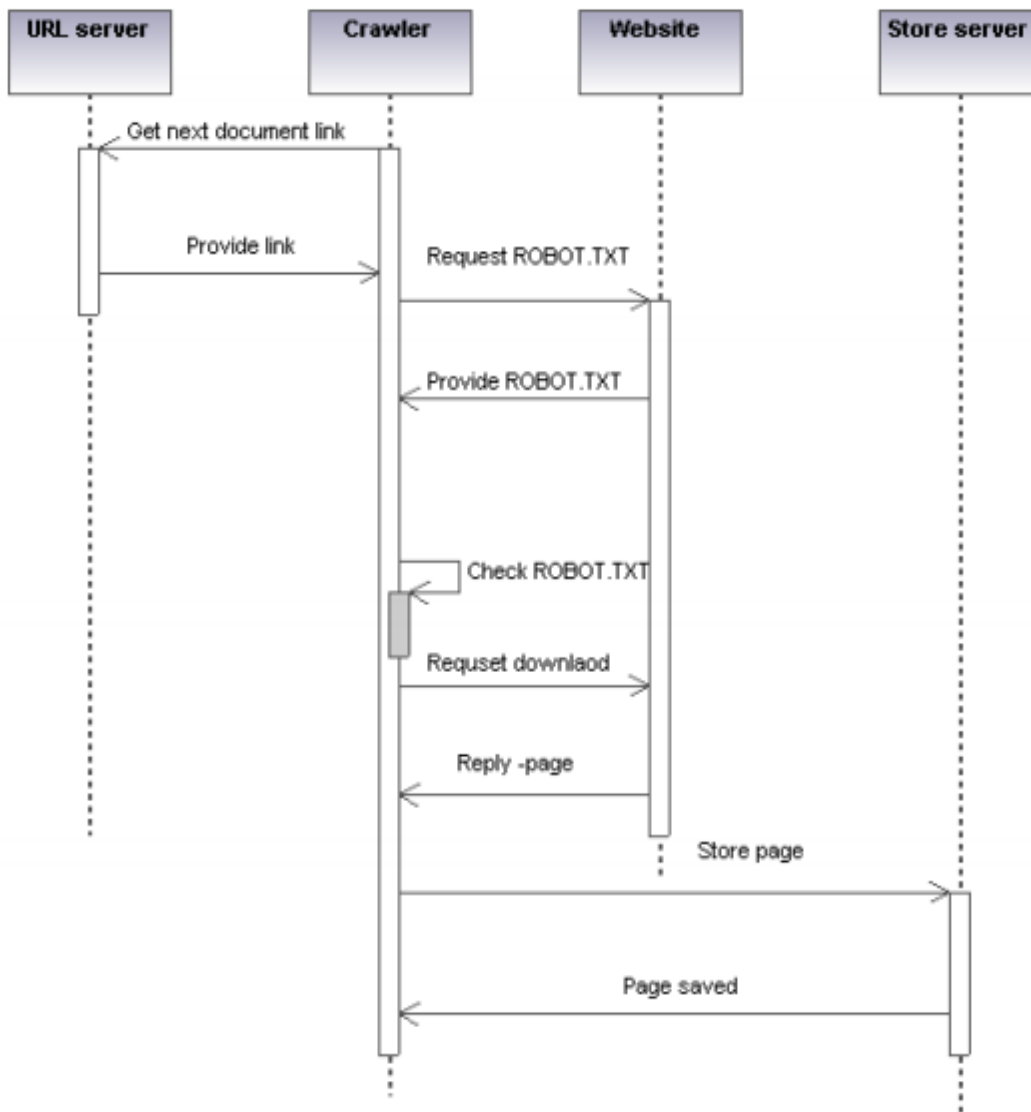


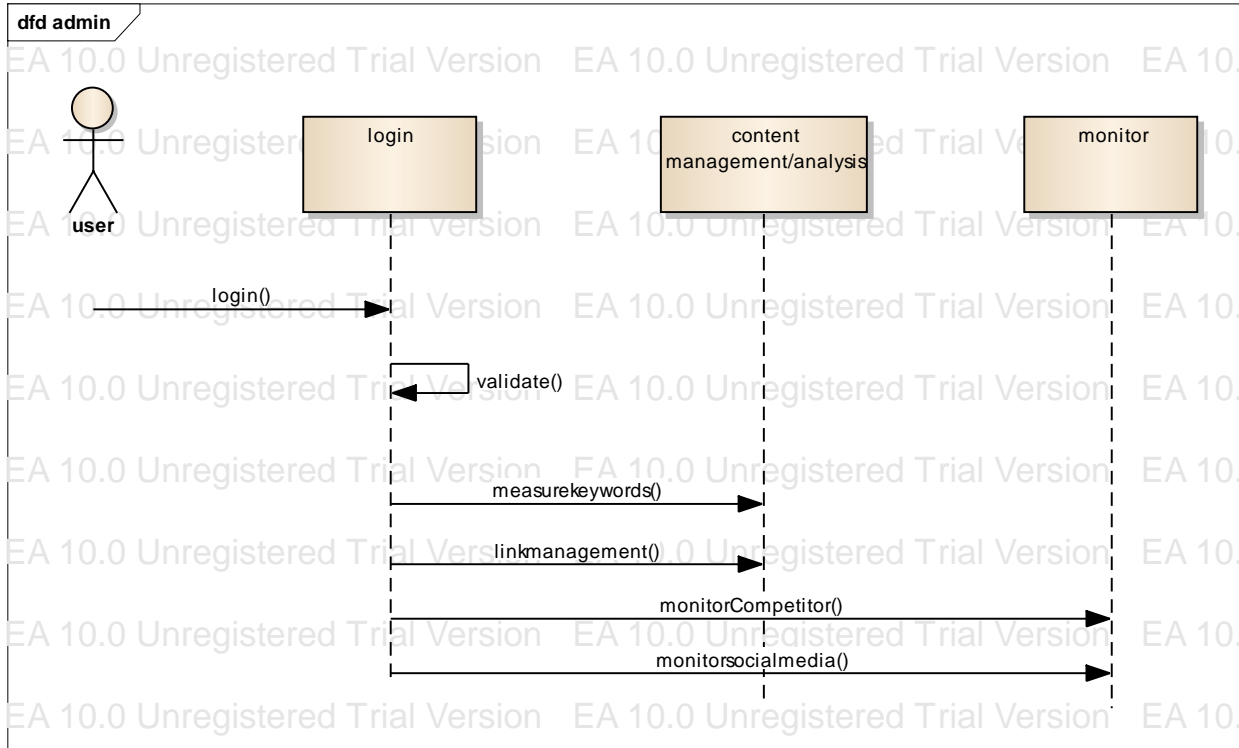
5.3.1 Sequence Diagram for Semantic Profiling with algorithms and competitive understanding:



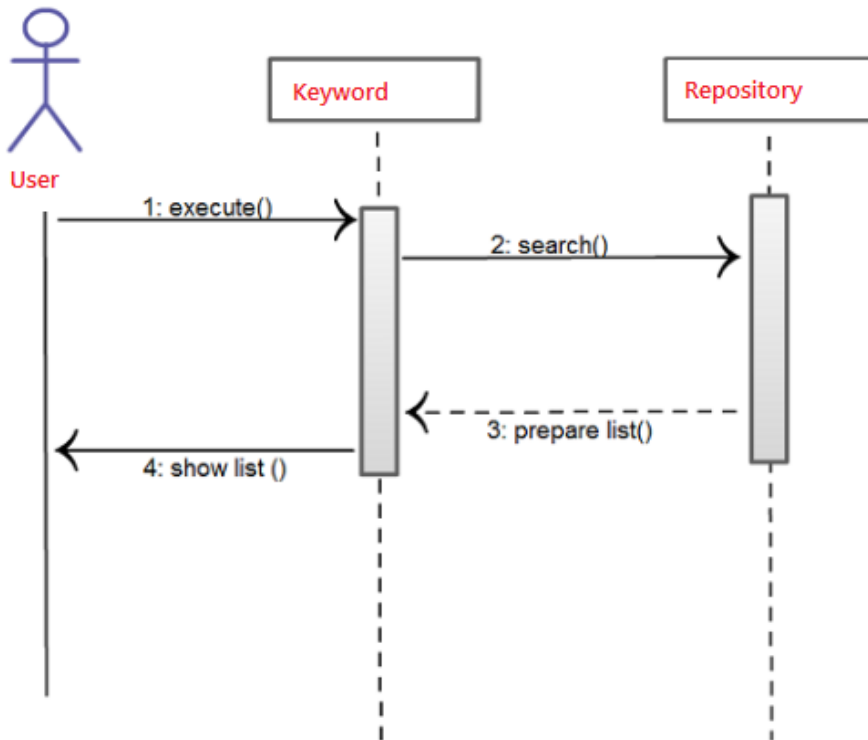








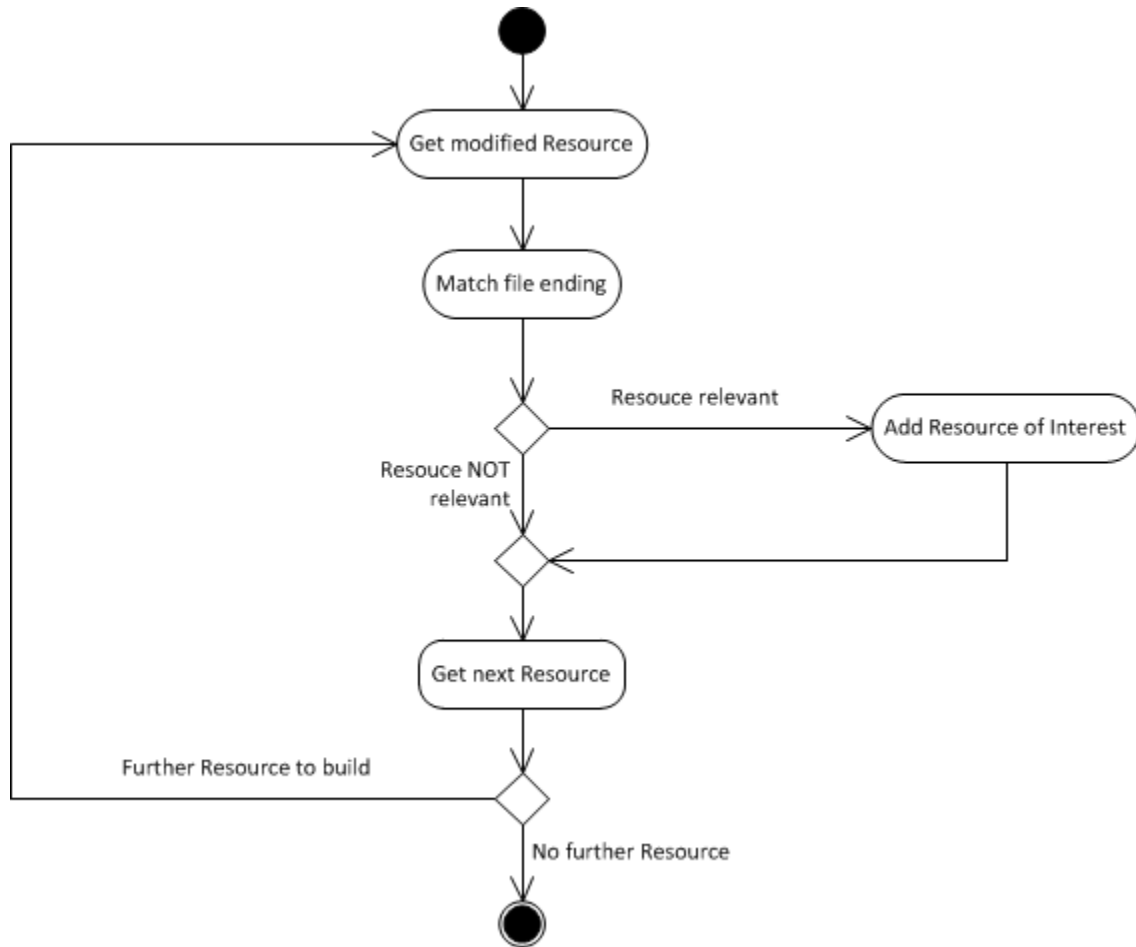
Manage and monitor sequence.



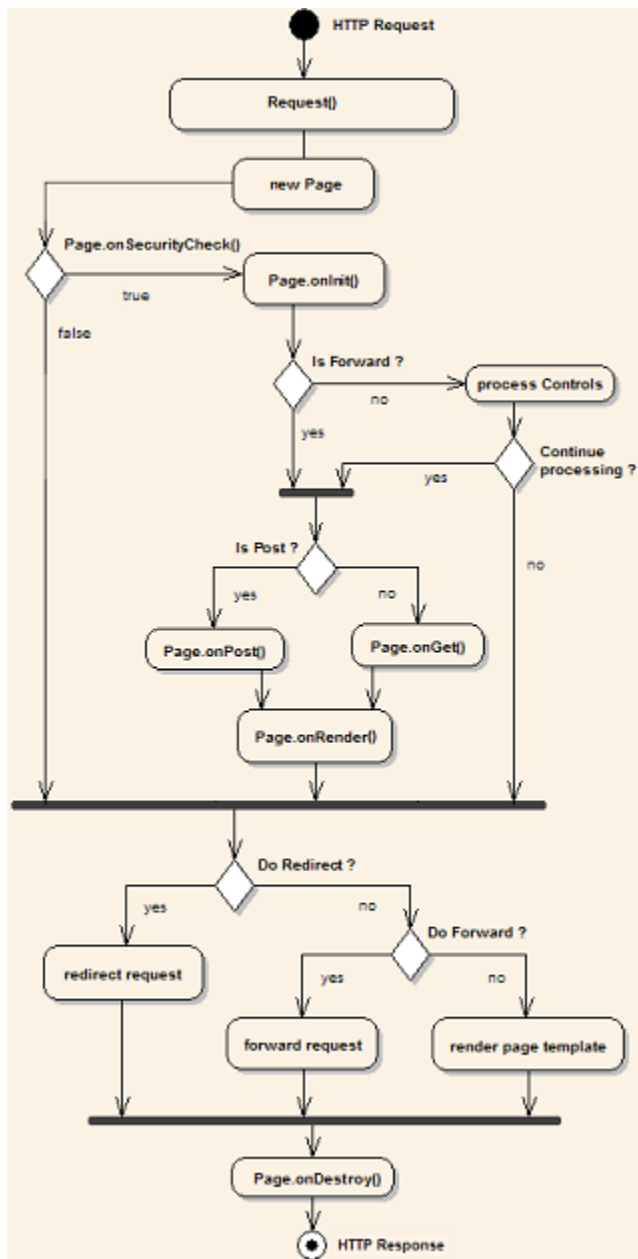
Search sequence diagram.

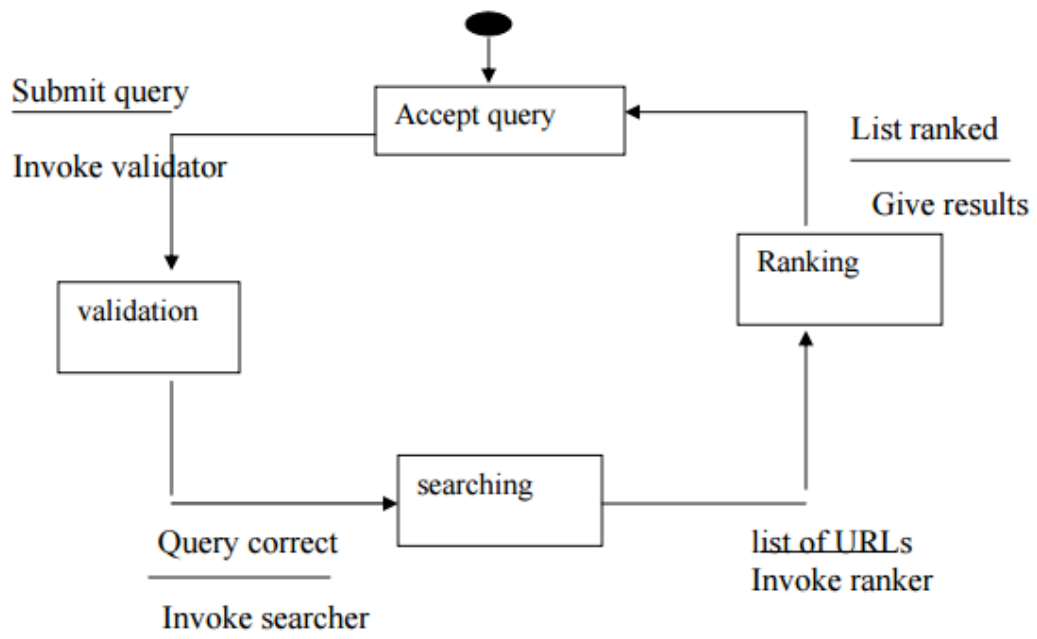
5.4 Activity diagram:

Activity diagram is design to understand the flow of one activity; multiple sequential branches are related so that all types of flow control can be defined between the elements.

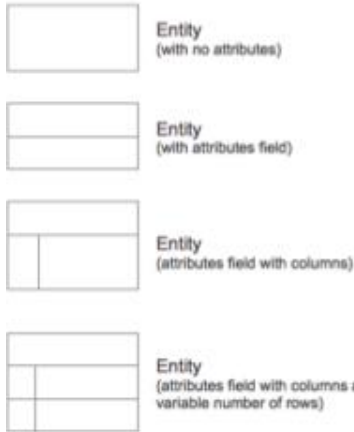


5.4.1 Activity Diagram for Semantic Profiling with algorithms and competitive understanding:





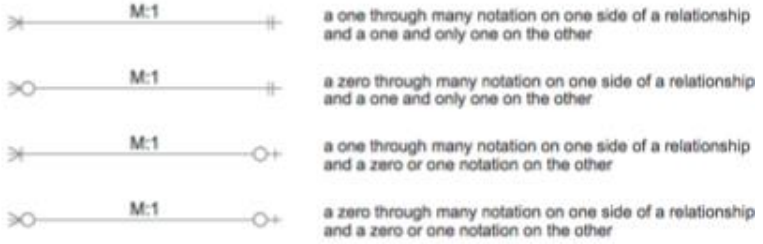
Crow's Foot notation



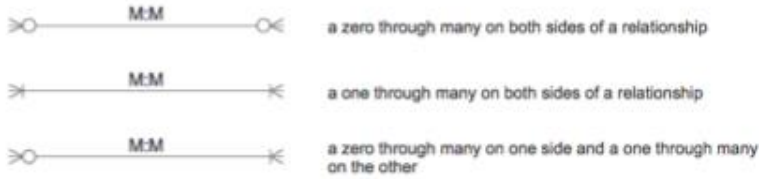
Relationships
(Cardinality and Modality)



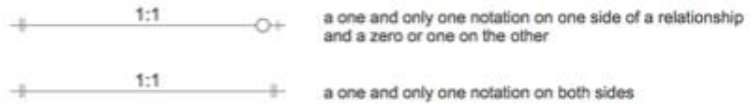
Many - to - One



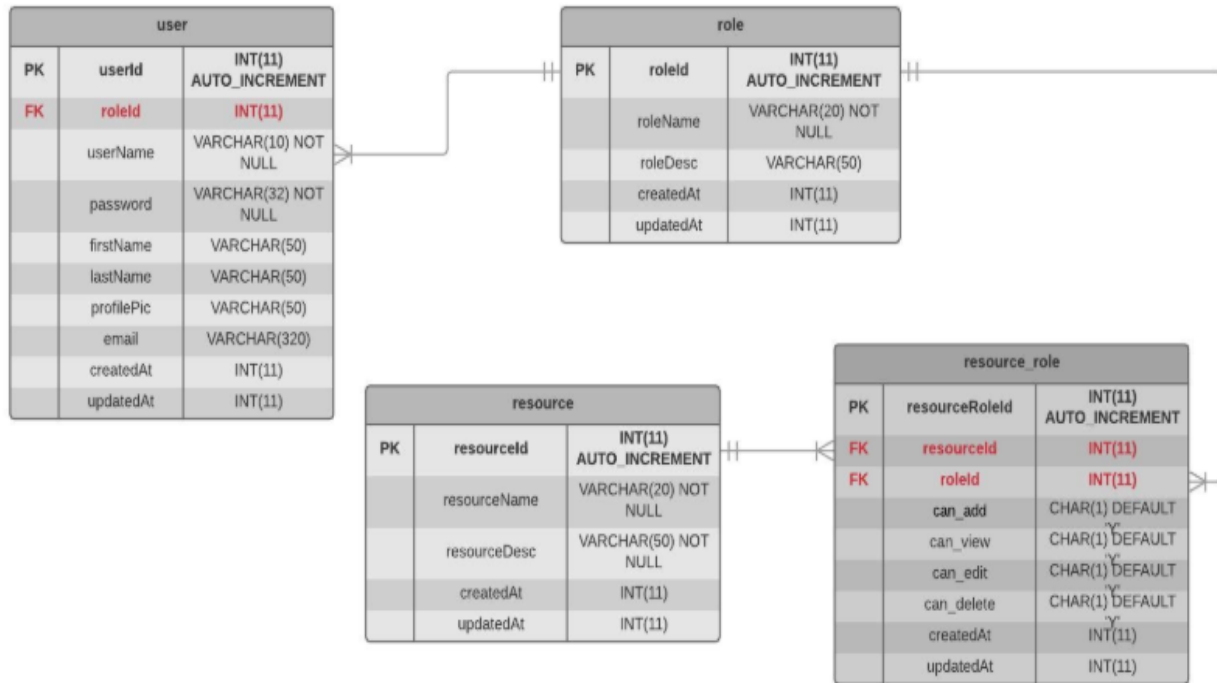
Many-to-Many



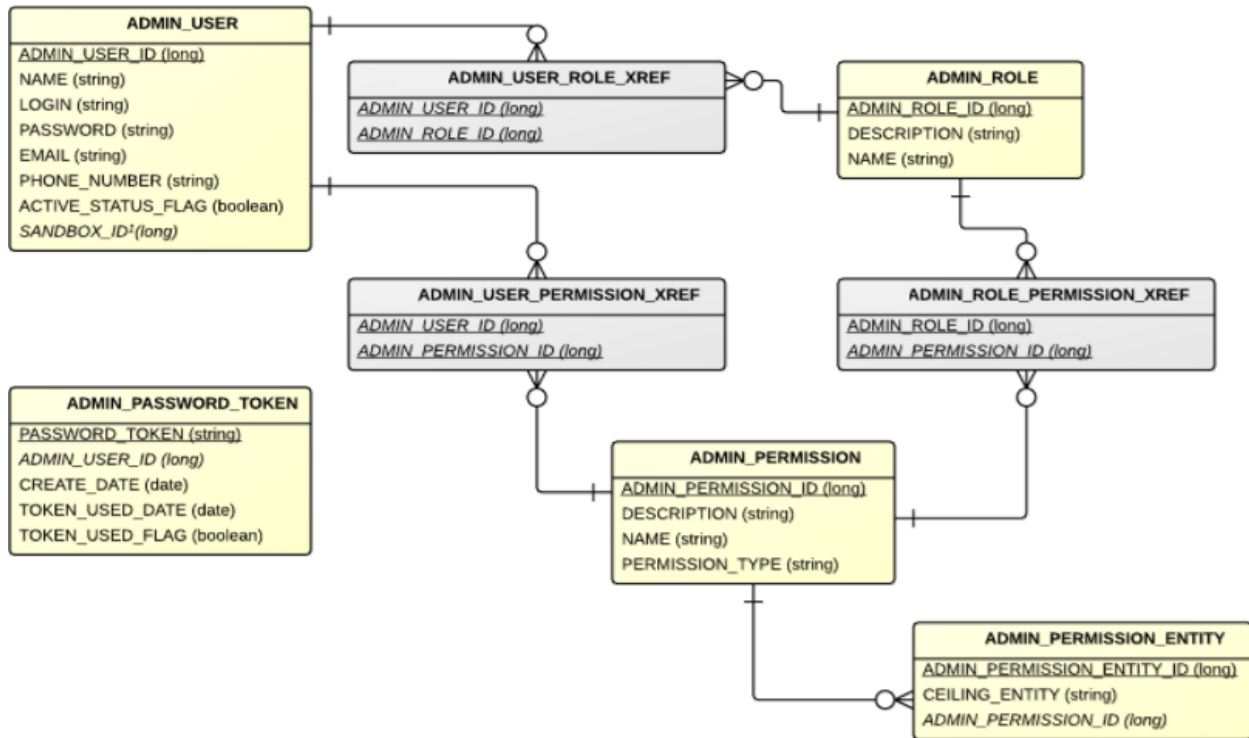
Many-to-Many



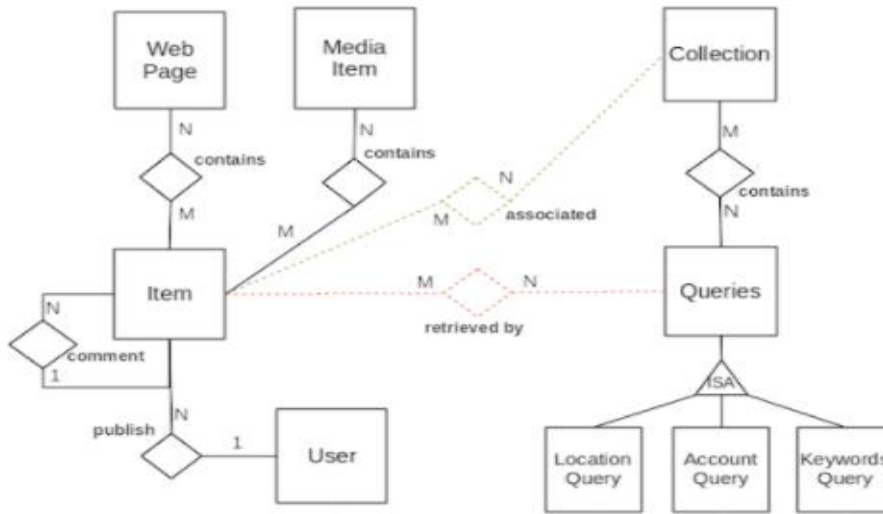
5.5.1 Defining resources ER diagram:



5.5.2 ER Diagram for Semantic Profiling with algorithms and competitive understanding:

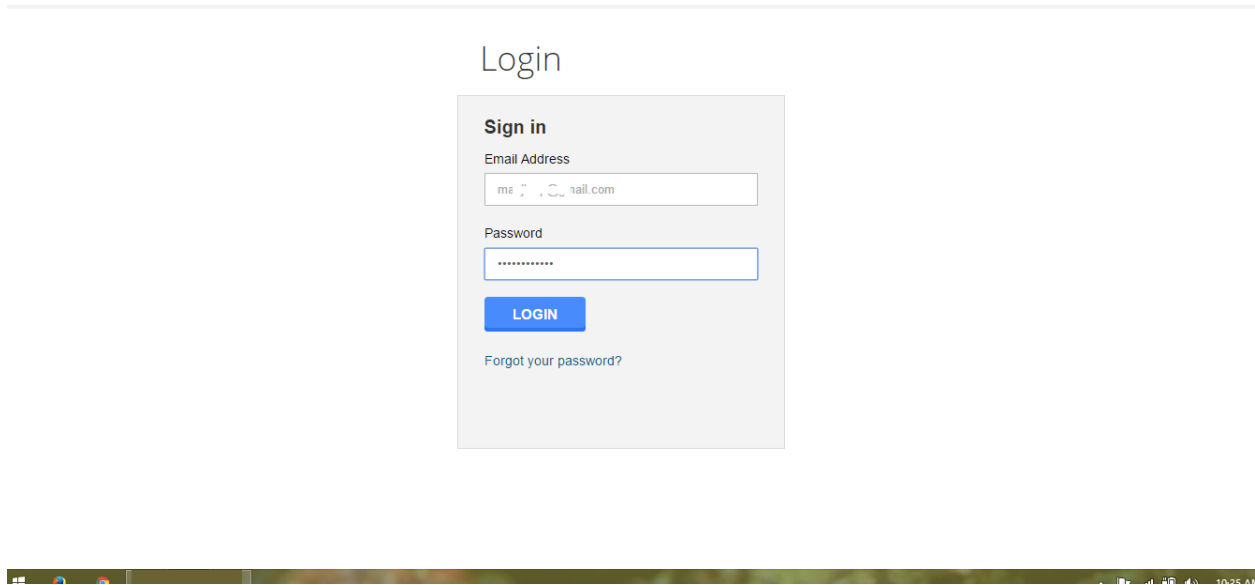


5.5.3 ER diagram research permission:

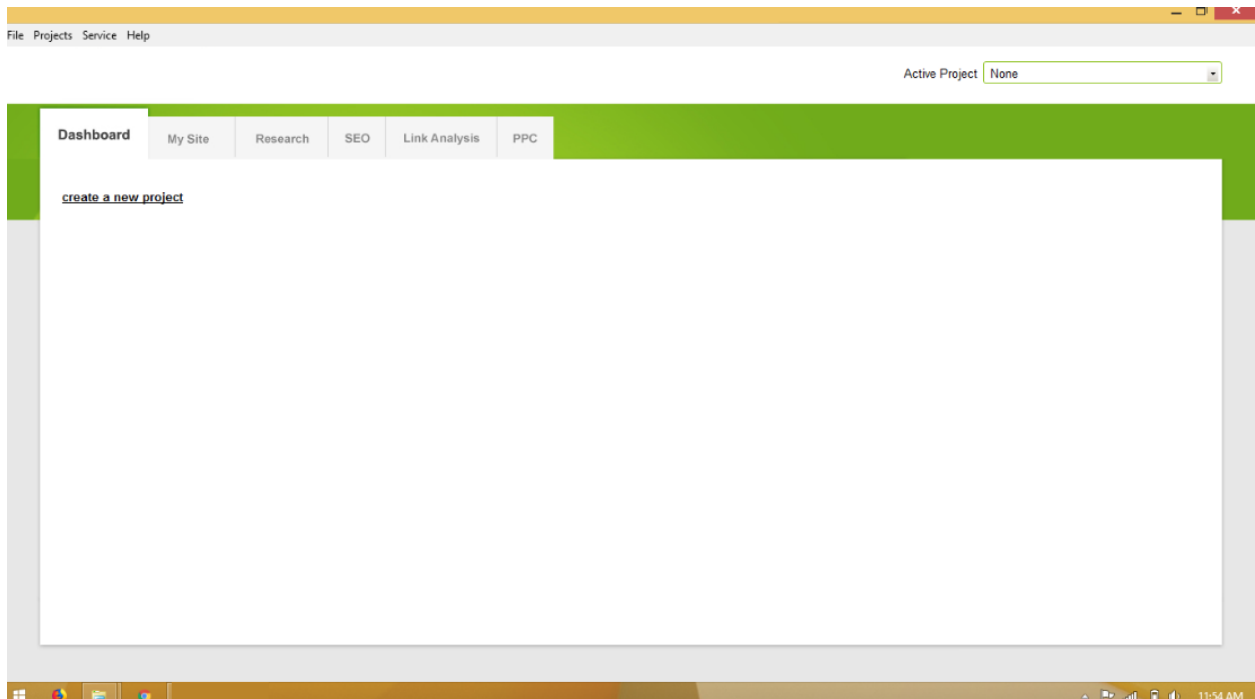


6 IMPLEMENTATION

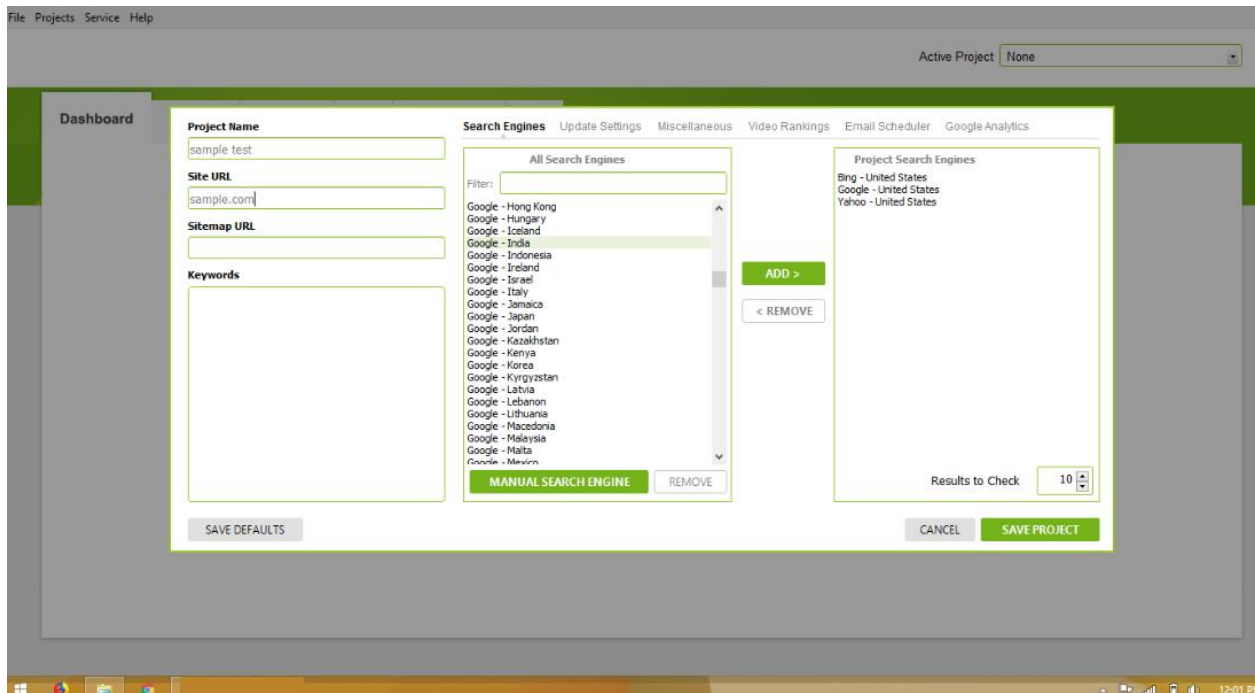
6.1 Screen Shots:



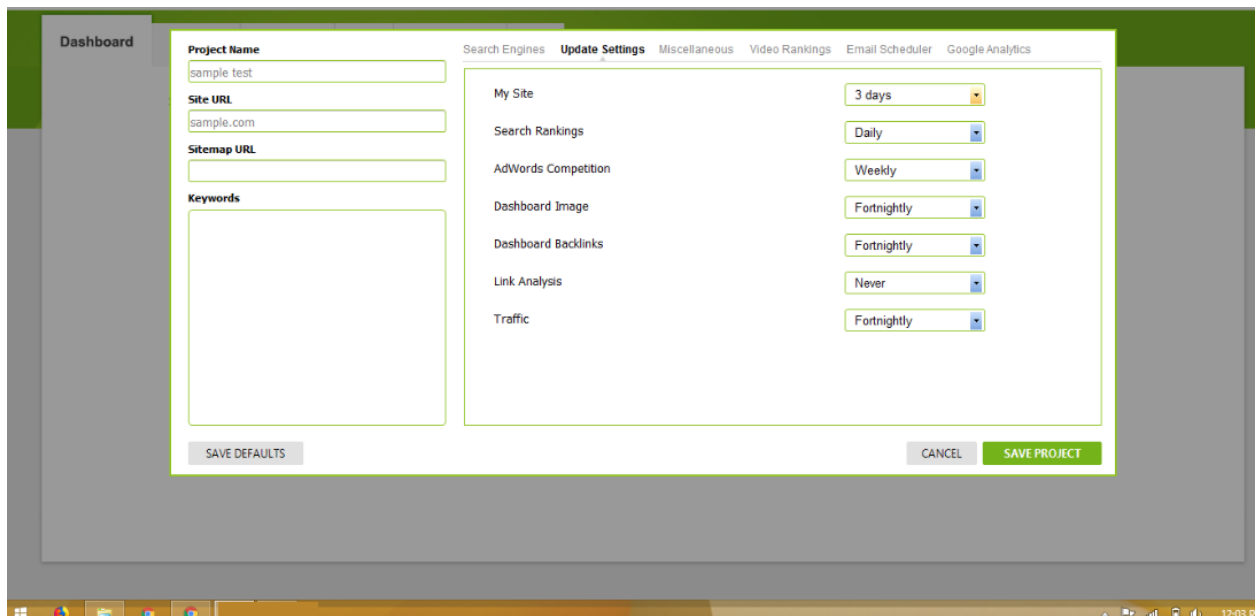
Login page of user.



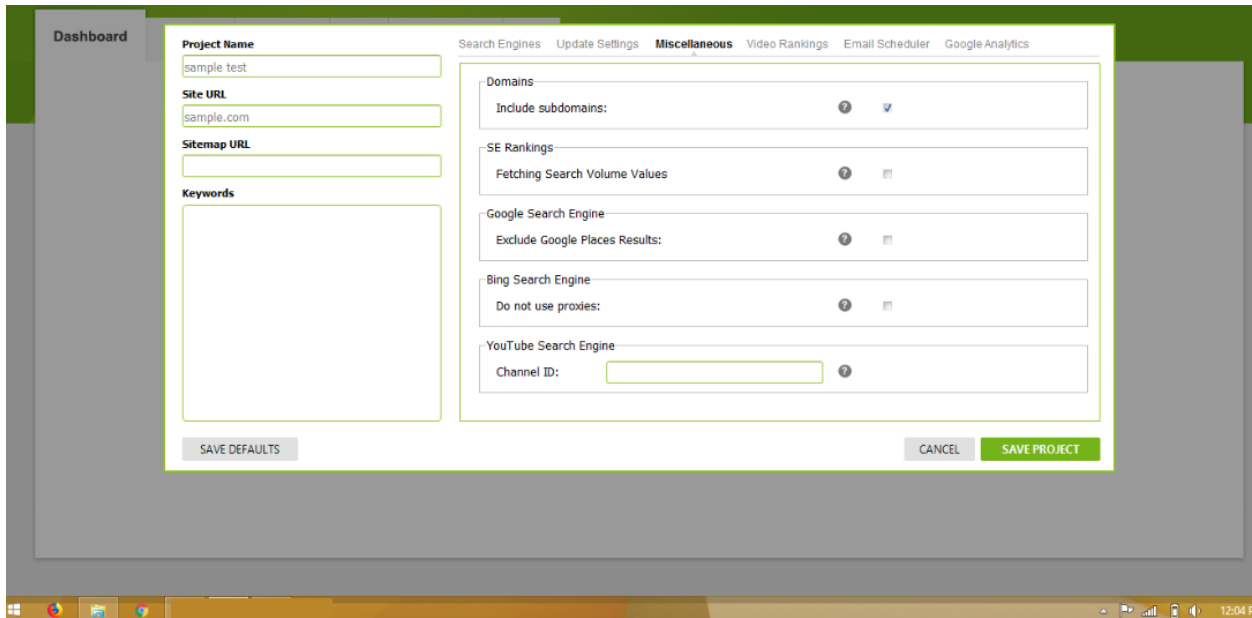
Different reference of the work can be added with project definitions here.



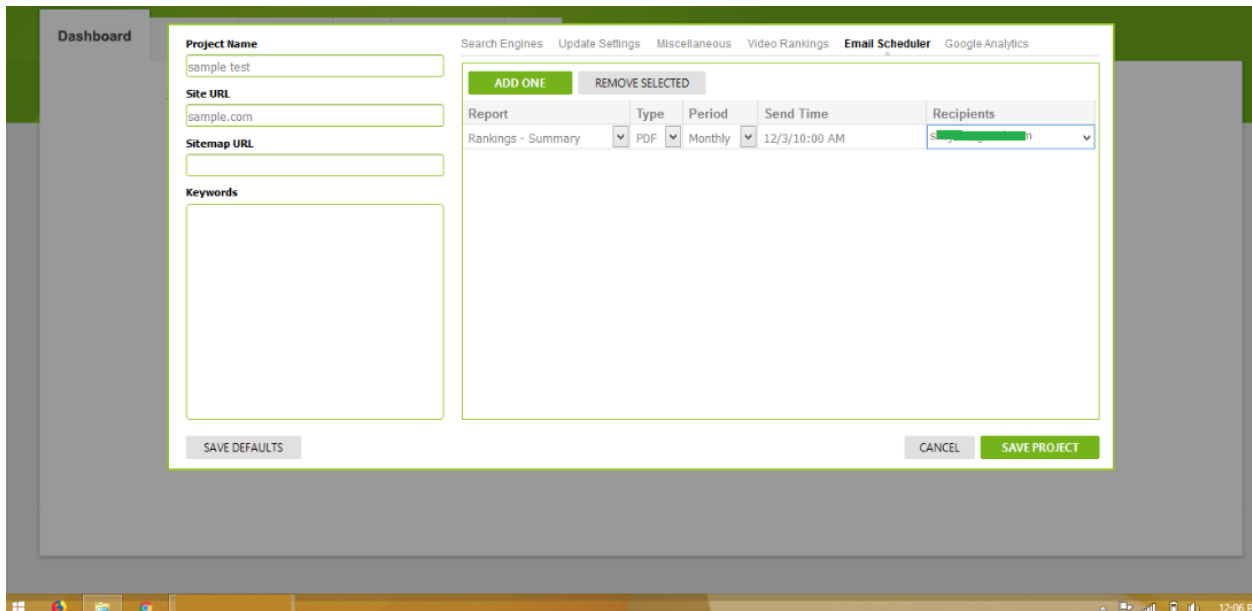
Setups for the project page.



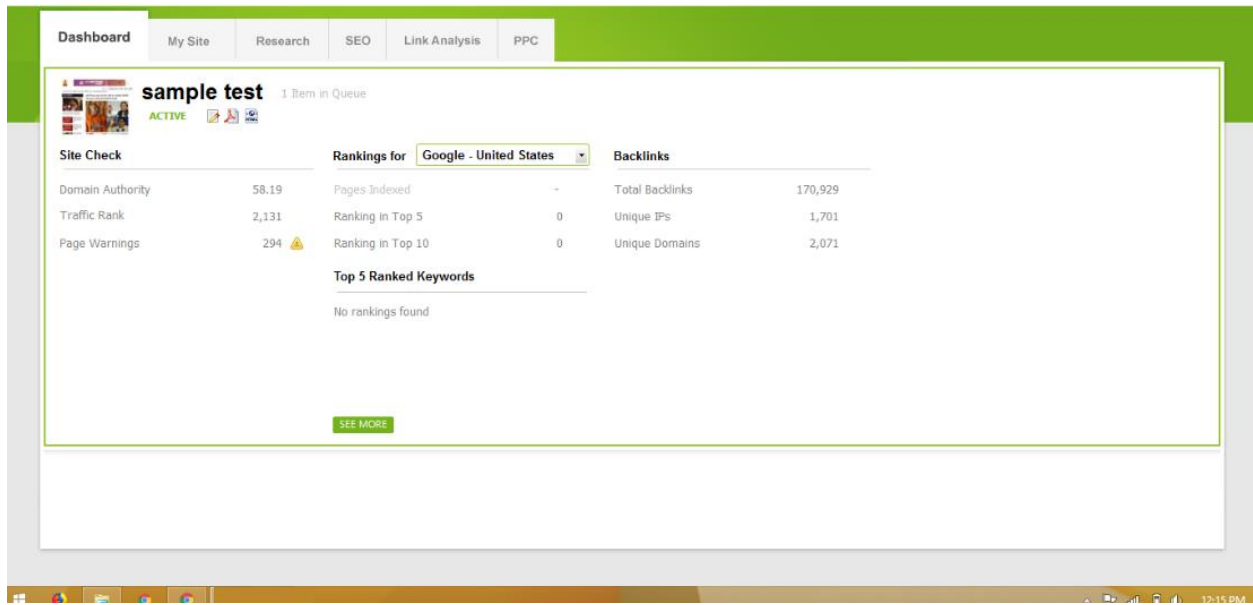
Required updates added here.



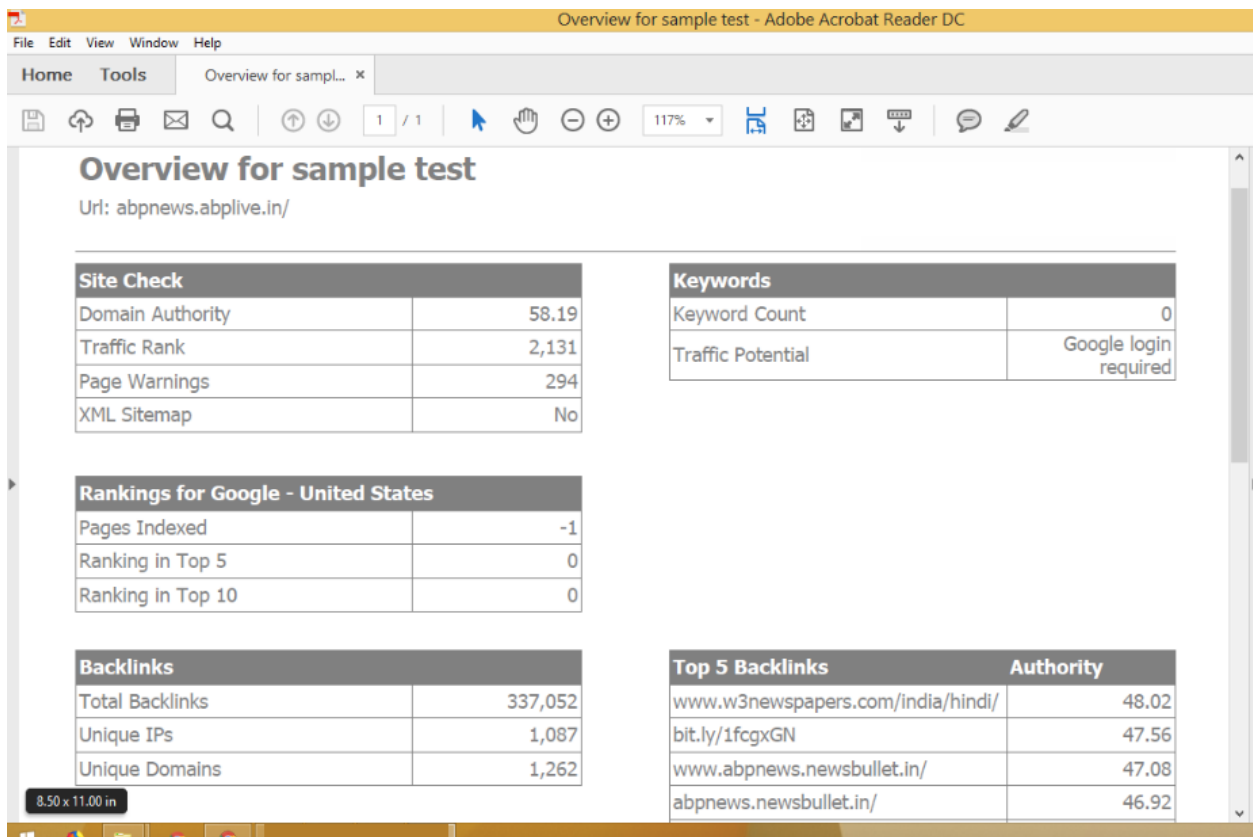
Miscellaneous settings page.



Automated report reference page.



System's different summery options page.



Report conversion page.

Dashboard **My Site** Research SEO Link Analysis PPC

IMPORT PAGES EXCLUSIONS

0 filters in effect

Page	PA	BackLinks	Page Warnings	Keywords	SEO Warnings	Last Checked
<input type="checkbox"/> http://abpnews.abplive.in/	59.06	337,052	5	+		10:52 PM
<input type="checkbox"/> http://abpnews.abplive.in/404.php	1.00	1,093	2	+		14:05 PM
<input type="checkbox"/> http://abpnews.abplive.in/aap-ki-boat?rs_type=internal&rs_origin=home&rs_med...	1.00	0	3	+		10:52 PM
<input type="checkbox"/> http://abpnews.abplive.in/aap-ki-boat?rs_type=internal&rs_origin=home&rs_med...	1.00	0	3	+		10:52 PM
<input type="checkbox"/> http://abpnews.abplive.in/about-us	39.38	2	2	+		10:52 PM
<input type="checkbox"/> http://abpnews.abplive.in/advertisement	39.38	2	2	+		10:52 PM
<input type="checkbox"/> http://abpnews.abplive.in/ajab-gazab?rs_type=internal&rs_origin=home&rs_med...	1.00	0	4	+		10:52 PM
<input type="checkbox"/> http://abpnews.abplive.in/ajab-gazab?rs_type=internal&rs_origin=home&rs_med...	1.00	0	4	+		10:52 PM
<input type="checkbox"/> http://abpnews.abplive.in/auto-news?rs_type=internal&rs_origin=home&rs_med...	1.00	0	3	+		10:52 PM
<input type="checkbox"/> http://abpnews.abplive.in/auto-news?rs_type=internal&rs_origin=home&rs_med...	1.00	0	3	+		10:52 PM
<input type="checkbox"/> http://abpnews.abplive.in/blog	36.18	2	4	+		10:52 PM
<input type="checkbox"/> http://abnews.abplive.in/bioa/bioa-by-shivendra-kumar-sinh-on-virat-kohli-and-...	1.00	0	6	+		10:52 PM

LOAD UPDATE HIDE DELETE REPORT

Detailed analytical matrix page.

Dashboard My Site Research **SEO** Link Analysis PPC

By Backlinks **By Domain UrIs** Link Breakdown Link Overview

IMPORT BACKLINKS

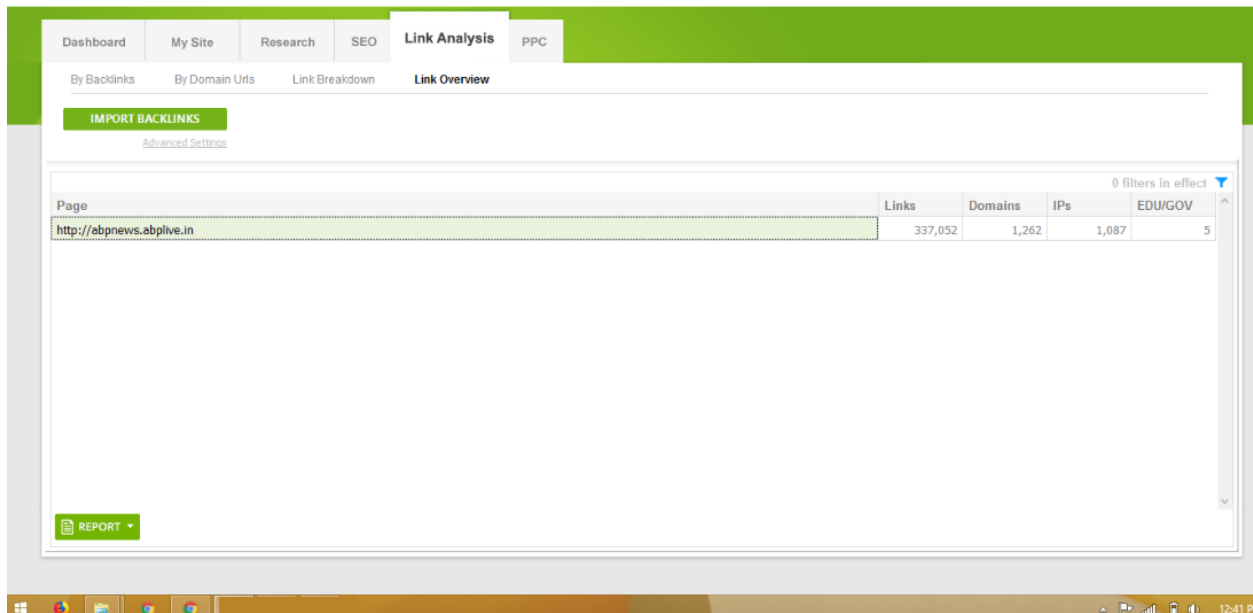
Advanced Settings

0 filters in effect

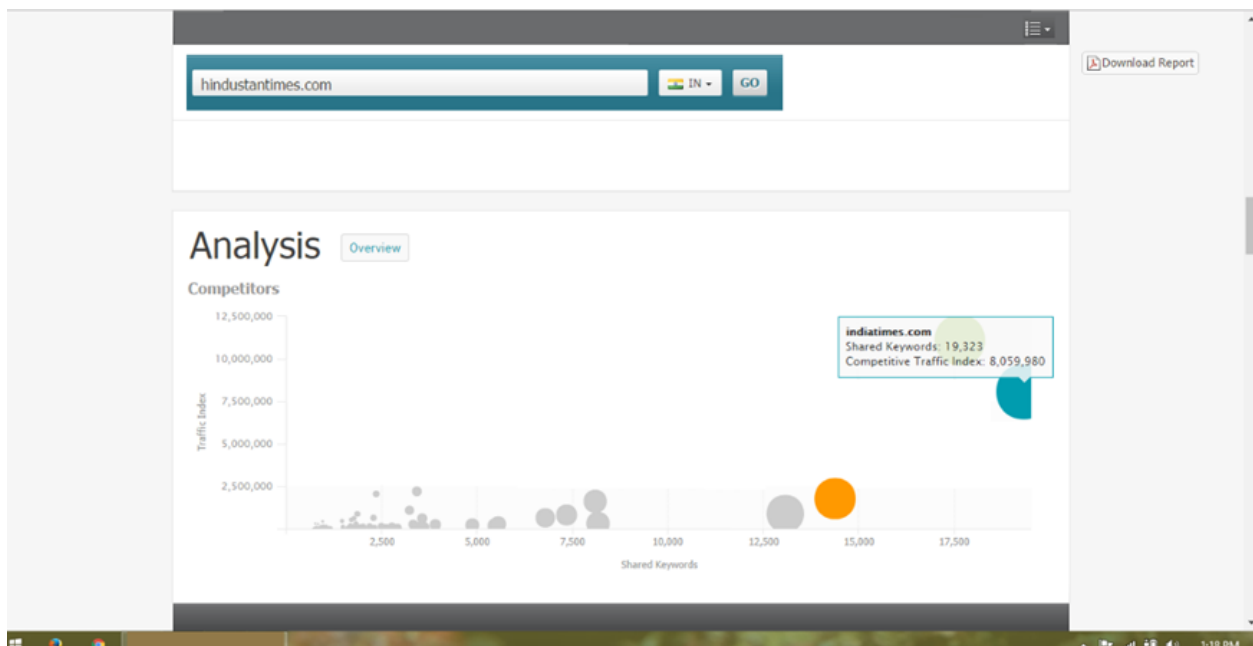
Url	Backlink URL	PA	AR	Ext	Anchor	Indexed
<input checked="" type="checkbox"/> abpnews.abplive.in	http://www.abpnews.newsbullet.in	47.08	-	-	Editors	✓ - -
	http://abpnews.newsbullet.in	46.92	-	-	Editors	✓ - -
	http://www.lyngsat.com/tvchannel...	44.75	18,719	-	abpnews.abplive.in	✓ - -
	http://khetibeari.blogspot.in	30.66	-	-	ABP News	✓ - -
	http://www.w3newspapers.com/in...	27.60	14,431	-	Go to ABP News	✗ - -
	http://www.lyngsat.com/tvchannel...	27.59	18,719	-	abpnews.abplive.in	✓ - -
	http://www.lyngsat.com/tvchannel...	27.50	18,719	-	abpnews.abplive.in	✓ - -
	http://www.w3newspapers.com/in...	27.14	14,431	-	Live	✗ - -
	http://hindi.khebar.io	26.79	2,136,956	-	ABP News	✓ - -
	http://samacharhindi.com/index.html	26.26	1,715,389	-	ABP News TV	✓ - -
	http://www.livewebson.com/hindi/...	24.15	47,060	-	clickToPlay	✓ - -
	http://www.satbeams.com/channe...	23.47	125,260	-	ABP News India	✓ - -
	http://www.ibfindia.com/full-mem...	21.75	1,361,940	-	ABP News	✓ - -

DELETE REPORT

Link analysis details page.



Link overview is defined for a selected page.



Search analysis chart page.

7 SOFTWARE TESTING

Earlier the problems are acknowledged more optimized perception to the stakeholder can be provided so we have to do proper type of software testing in various levels. Software testing can be done in different types of variation so we will be planning and the technology that unit testing and other references of white box testing can be included. Multiple types of considerations that are required will be properly at knowledge and the software testing will be performed in elaborated fashion where all development department and testing department will take part. Associations of the software testing will be documented and the documentation will be generalized as future reference of understanding can be achieved.

Conditional working that is provided by the system in different aspects of analytics will be checked for proper consolidation because even the system is incorporated with different types of categories and each category should work properly in real time. Software testing will help us to associate the work that is being acknowledged. Software testing will help us to understand the stages of the system and it should be done so that impressive references of the workability can be generated this will help to maintain the quality reference of the system. Software testing is done to have all types of insurance understanding in different types of conditional scenarios that will rise in the future so that related system can be provided.

		Time detected				
Cost to fix a defect		Requirements	Architecture	Construction	System test	Post-release
	Requirements	1×	3×	5–10×	10×	10–100×
Time introduced	Architecture	-	1×	10×	15×	25–100×
	Construction	-	-	1×	10×	10–25×

Unit testing

Unit test perceptions will be allocated in a way that all types of consideration should be substituted.

Unit test perceptions are based on testing the units as we want that each and every unit should be utilized properly for the considerable activity then only the related integrated workability can be established.

Data science integrations will be check for the platform support and for the compatibility.

All types of accomplishment that is needed in terms of integrated structuring which has to be provided in a inbuilt format will be also check for the accuracy.

We have to accomplish that the synchronized working can be properly allocated within the system as we want that system should provide a workability place where multiple users can be referenced with different types of working aspect.

White box testing :

White box references are acknowledged to provide the users with proper understanding as we will be checking the system on every stage and the codes that are written will be thoroughly check.

White box testing will be performed by the experts and detailed knowledge about all types of working based on statistical integrations and the report structuring should be acknowledged because white box testing is based on internal check.

White box testing will be performed even with the help of different types of automated tools which will be utilized to check the scenario.

Test cases:

No	Test	Test Input	Expected Result	Actual	Test Status	Severity
1	Admin	Control provided	Frame for the working is provided	Admin setups provided	Pass	Critical
2	Users integration	Credential provided	Login success	Working users added	Pass	Critical
3	Preference admin settings	Choice based	Provisions of setups provided	Details provided	Pass	Critical
4	Board generation	Settings	Multiple board generation	Different boards reference added	Pass	Critical
5	Analysis	Automated	Reports generated	Data analysis provided	Pass	Critical

6	Search conditions	Keyword provided	Reports generated	Pre-structured data generated	Pass	Critical
7	Roust	Reference automation	Error message	Error shown	Pass	Minor
8	Visual	Auto and selective	Charts shown	Optics designed	Pass	Critical
9	Conversions	Selective options	All data provided	Various conversions seen	Pass	Critical
10	Detailed	Custom setups	Stages of data science provided	Sync reference provided	Pass	Critical

8 CONCLUSION

I can conclude that I have used the system in multiple provisions of data science acknowledgements and the system is integrated with all types of stages and works perfectly for different references of critical analysis. Multiple types of criteria's of settings are provided to the administrator so any type of preference requirement to be added within the system can be properly defined and established. The establishment of the system is provided in such a way that all considerable aspects can be properly referenced. Multiple types of working acknowledgements are provided in the related conditional status of the data science references can be properly established by including all stages of mining visualization and other structuring formats.

Required consolidation is provided within the system show multiple types of categories in parallel can be defined in can be established so when we have utilized the system multiple types of conditional working was supported. We also recognized that the convergence and aspects of integration that are required for different types of conditional perceptions is also associated. Finally we can say that any type of required analytical Review that is required by the organization can be properly obtained through the system and all types of customized requirements that are needed is provided. Different types of formations in terms of the general graph that are required for exploration references and study is being generated this helps in terms of exploration of statistics in appropriate manner so when we have selected the research considerations we found that detail settings with provided for getting any reference of the information that is required to be generated it can be customized.

9 FUTURE ENHANCEMENT

References of future enhancement are a subject of understanding because when the users require new considerations they have to be associated with multiple options according to the work abilities. The company will provide different types of auditing techniques that new requirements can be understood.

Some of the new references that can be added are listed as following -

- The report formats that was generated can be added with some real time information references.
- The reports that are added in terms of analytics can be added with some more graphical formation.
- The considerations of help for understanding the terminologies has to be associated as multiple types of reports will be generated.

10 BIBLIOGRAPHY

Books:

The Roslyn .NET compiler provides C# and Visual Basic languages with rich code analysis APIs.:dotnet/roslyn". November 13, 2019.

.What's New in C# 7.0". Microsoft Docs. Retrieved April 14, 2019.

Web site:

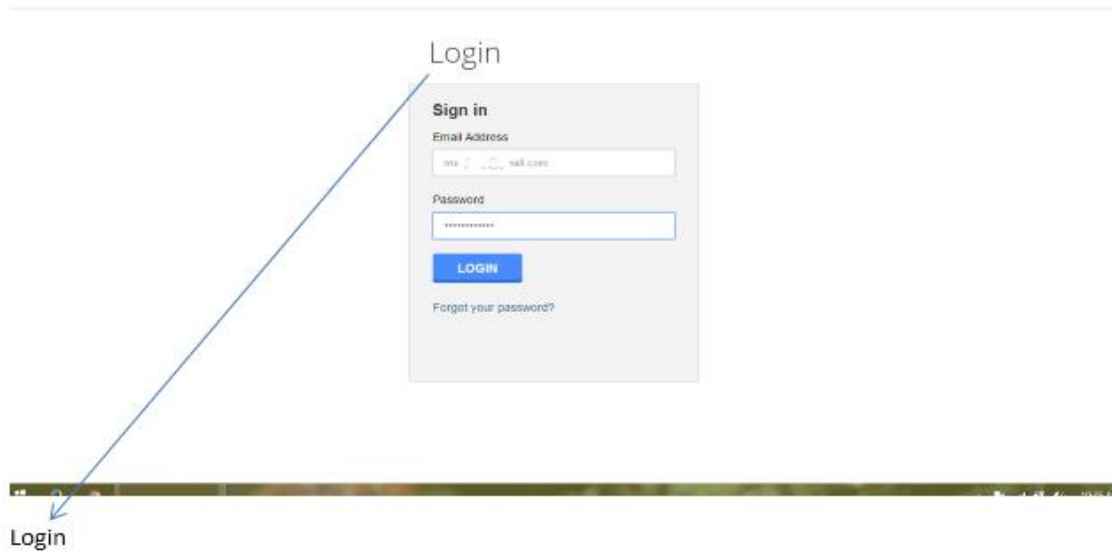
<https://www.microsoft.com/net>

https://en.wikipedia.org/wiki/.NET_Framework

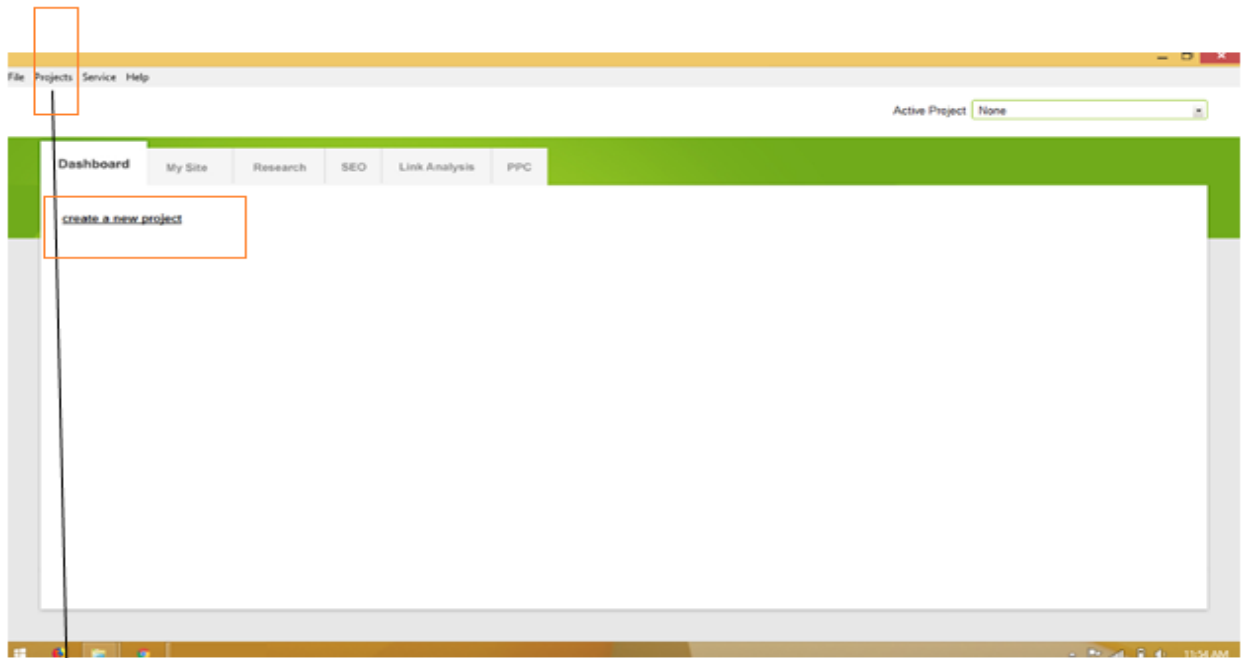
<https://www.youtube.com/user/dnfvideo>

www.dotnetcurry.com/magazine

11 USER MANUAL

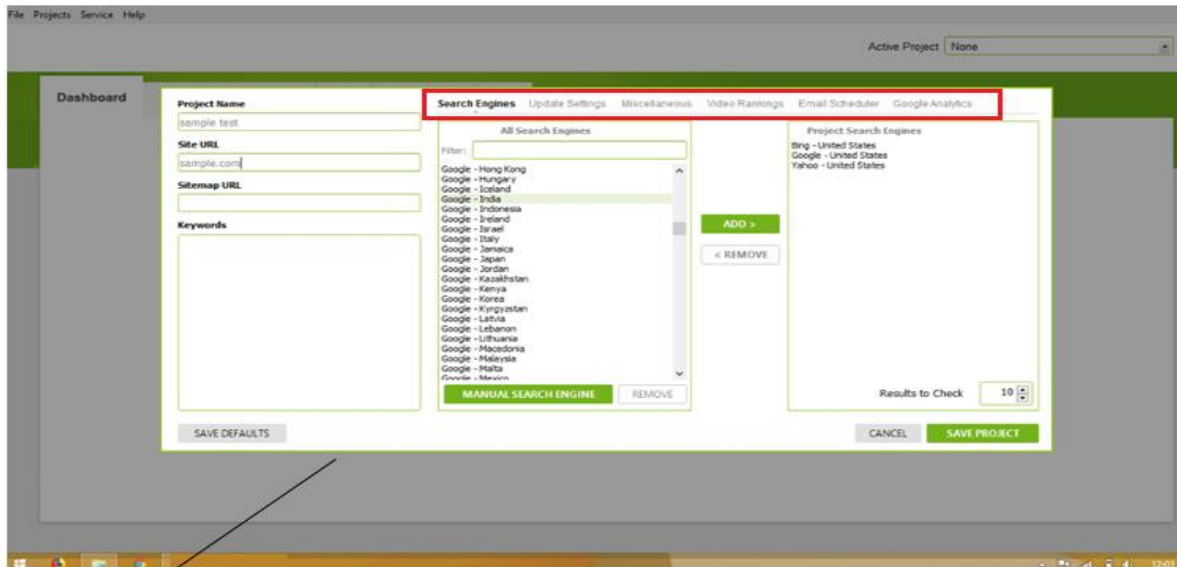


Login is done here



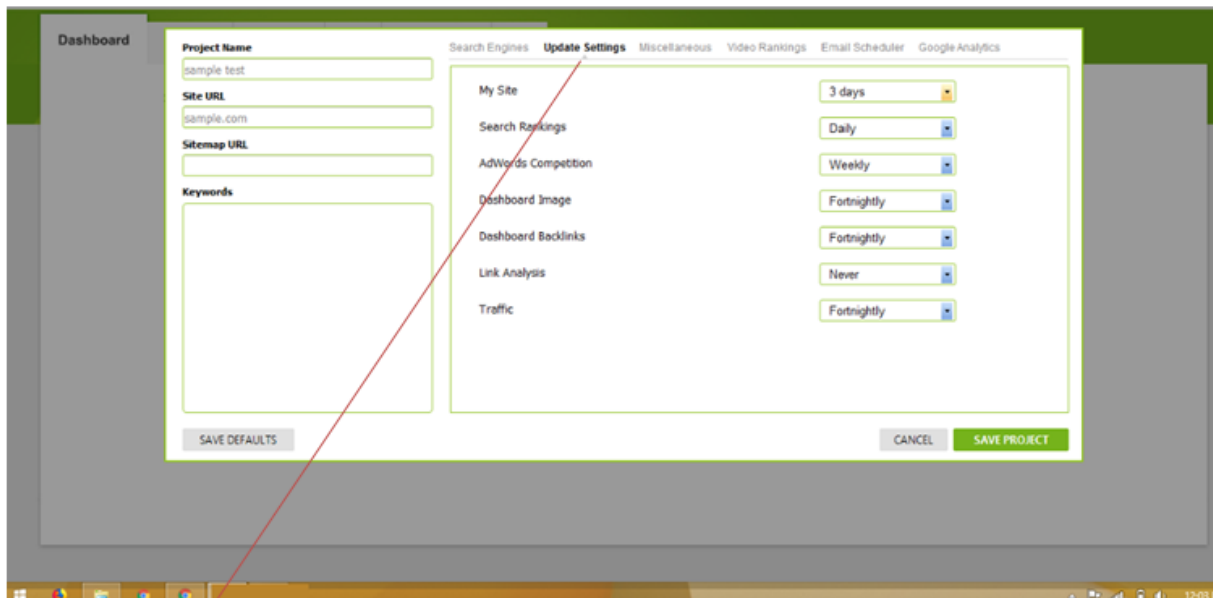
Different reference of the work can be added with project definitions

Different references for project are added here.



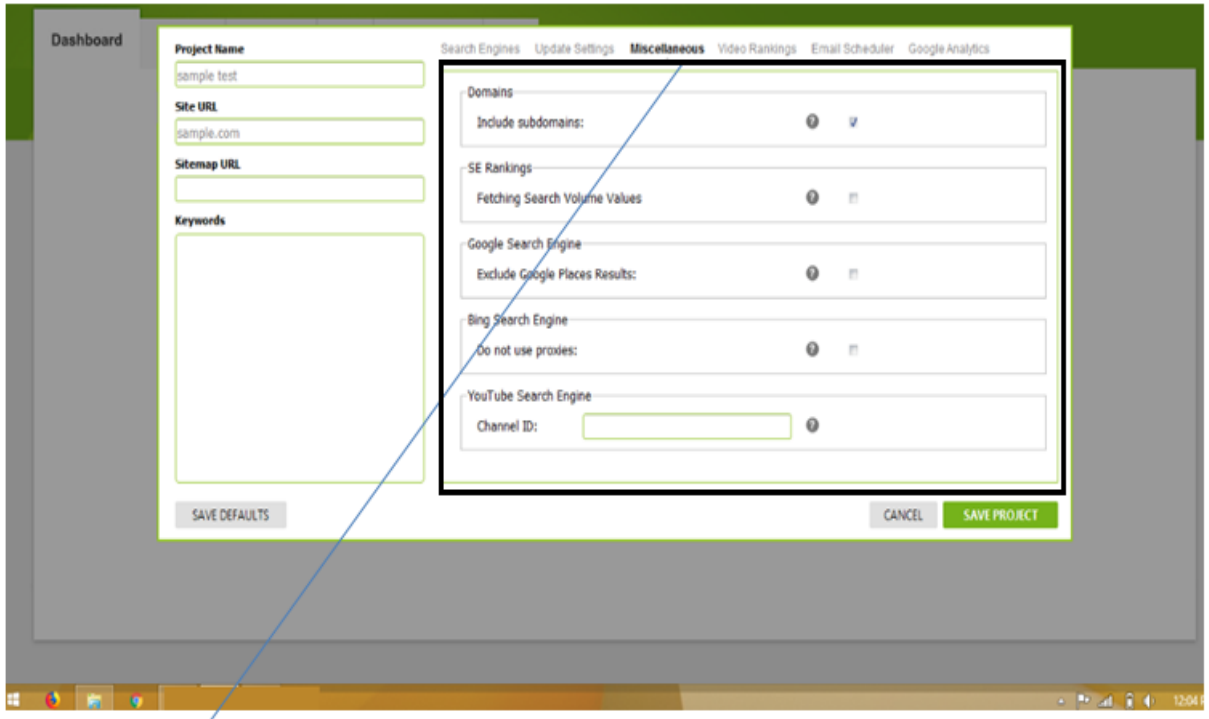
Setups

Setup for project are done here.



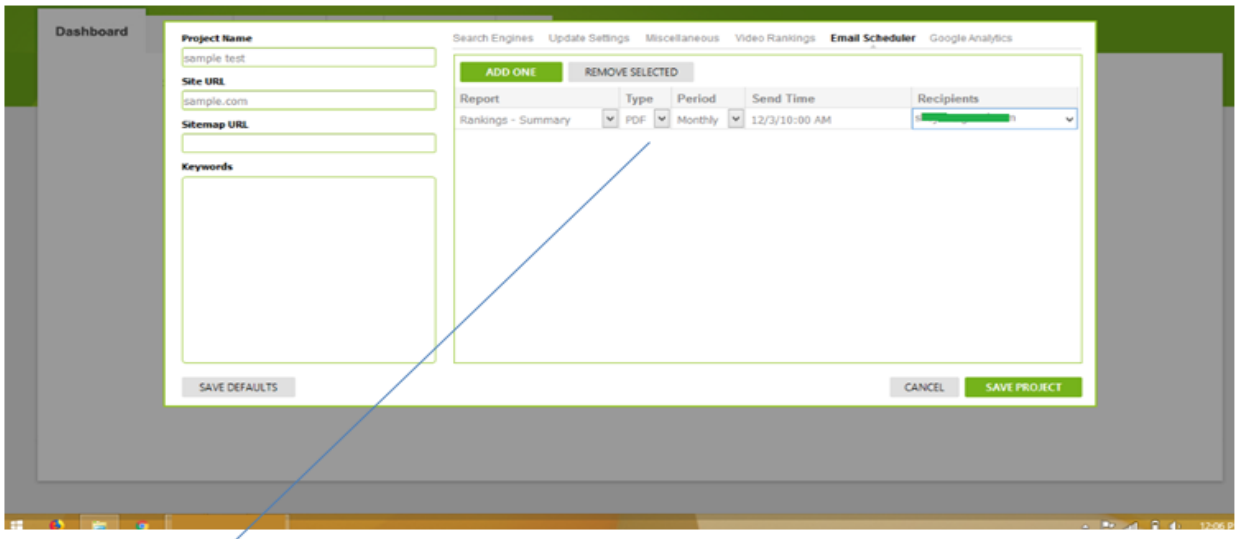
Updates requirements added

Required updates can be added here.



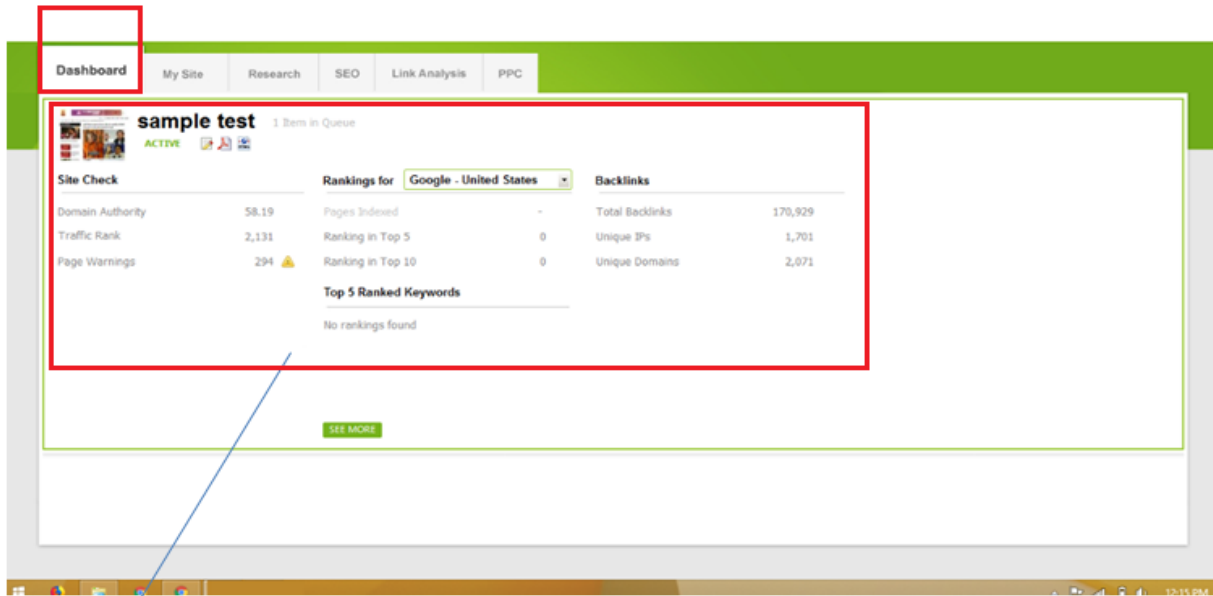
Miscellaneous settings

Miscellaneous settings page.



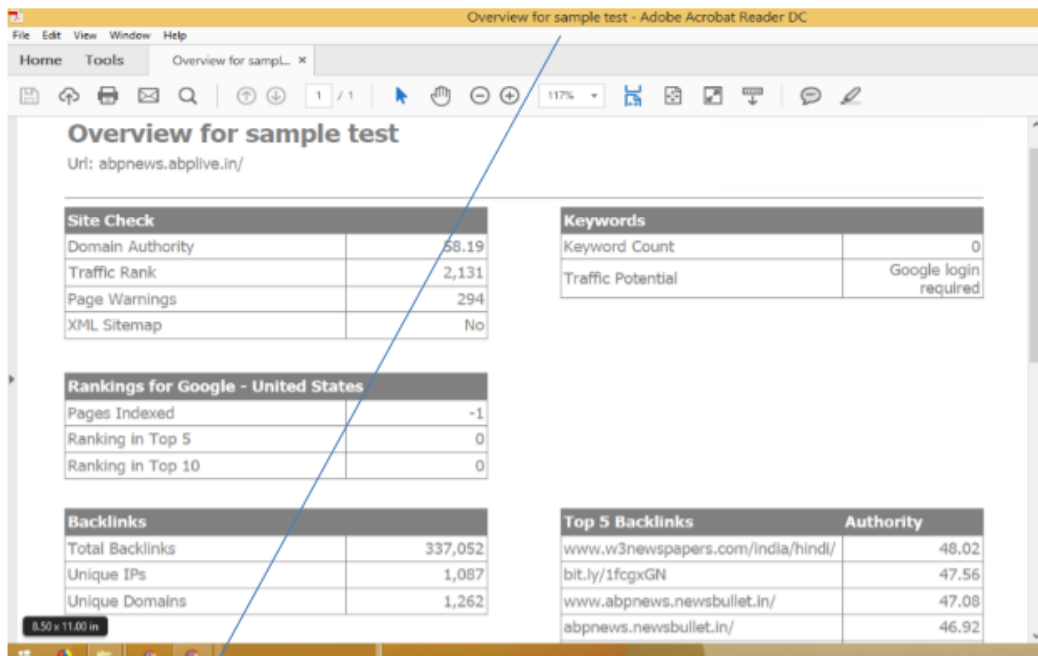
Automated report reference

Automated report reference page.



System shows different summery options

Different summary options are shown here.



Report conversion shown

Conversion of the report is done here.

Page	PA	Back.Links	Page Warnings	Keywords	SEO Warnings	Last Checked
http://abpnews.abplive.in/	59.06	337,052	5	+		10:52 PM
http://abpnews.abplive.in/404.php	1.00	1,993	2	+		14:05 PM
http://abpnews.abplive.in/aap-ki-beat?rs_type=internal&rs_origin=home&rs_med...	1.00	0	3	+		10:52 PM
http://abpnews.abplive.in/aap-ki-beat?rs_type=internal&rs_origin=home&rs_med...	1.00	0	3	+		10:52 PM
http://abpnews.abplive.in/about-us	39.38	2	2	+		10:52 PM
http://abpnews.abplive.in/advertisement	39.38	2	2	+		10:52 PM
http://abpnews.abplive.in/ajab-gazab?rs_type=internal&rs_origin=home&rs_med...	1.00	0	4	+		10:52 PM
http://abpnews.abplive.in/ajab-gazab?rs_type=internal&rs_origin=home&rs_med...	1.00	0	4	+		10:52 PM
http://abpnews.abplive.in/auto-news?rs_type=internal&rs_origin=home&rs_med...	1.00	0	3	+		10:52 PM
http://abpnews.abplive.in/auto-news?rs_type=internal&rs_origin=home&rs_med...	1.00	0	3	+		10:52 PM
http://abpnews.abplive.in/blog	36.18	2	4	+		10:52 PM
http://abpnews.abplive.in/blog/blog-by-shivendra-kumar-singh-on-virat-kohli-and...	1.00	0	6	+		10:52 PM

Detailed analytical matrix shown

Detailed analytical matrix is shown here.

Backlink URL	PA	AR	Ext	Anchor	Indexed
http://www.abpnews.newsbullet.in	47.08	-	-	Editors	✓
http://abpnews.newsbullet.in	46.92	-	-	Editors	✓
http://www.jyngsat.com/tvchannel...	44.75	18,719	-	abpnews.abplive.in	✓
http://khetibeeri.blogspot.in	30.66	-	-	ABP News	✓
http://www.w3newspepers.com/in...	27.60	14,431	-	Go to ABP News	✗
http://www.jyngsat.com/tvchannel...	27.59	18,719	-	abpnews.abplive.in	✓
http://www.jyngsat.com/tvchannel...	27.50	18,719	-	abpnews.abplive.in	✓
http://www.w3newspepers.com/in...	27.34	14,431	-	Live	✗
http://hind.khabar.io	26.79	2,136,956	-	ABP sp	✓
http://samacharhindi.com/index.html	26.26	1,715,389	-	ABP News TV	✓
http://www.liveinewson.com/hindi/...	24.15	47,060	-	clickToPlay	✓
http://www.sabbeams.com/channe...	23.47	125,260	-	ABP News India	✓
http://www.bfndia.com/full-mem...	21.75	1,361,940	-	ABP News	✓

Link analysis details shown

Link analysis details are shown here.

The screenshot shows a web application interface for link analysis. At the top, there is a navigation bar with tabs for Dashboard, My Site, Research, SEO, Link Analysis, and PPC. Below this, there are sub-tabs for By Backlinks, By Domain Uts, Link Breakdown, and Link Overview. The Link Overview tab is active, displaying a table with the following data:

Page	Links	Domains	IPs	EDU/GOV
http://sbpnews.abplive.in	337,052	1,262	1,087	5

Additional UI elements include an 'IMPORT BACKLINKS' button, a 'REPORT' button, and a filter dropdown showing '0 filters in effect'.

Link overview

Overview of the link is shown here.