

A project report on

**STREAMING INTELLIGENCE WITH
PATTERN PAIRING**

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

MASTER OF COMPUTER APPLICATIONS
Of



Visvesvaraya Technological University
Belgaum, Karnataka

By

SONU KUMAR R

1CR18MCA96



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

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Under the guidance of

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Technical Manager
Semantic Tech Labs
Bangalore



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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

**STREAMING INTELLIGENCE WITH PATTERN
PAIRING**

*Submitted in partial fulfilment of the requirement
for the award of the degree of
Master of Computer Applications
of the*

*Visvesvaraya Technological University, Belgaum, Karnataka
is a result of the bonafide work carried out by*

**SONU KUMAR R
1CR18MCA96**

during the academic year 2019-2020.

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Name of the Examiners

Signature with date

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DECLARATION

I, **Sonu Kumar R**, student of 6th MCA, **CMR Institute of Technology**, bearing the USN **1CR18MCA96**, hereby declare that the project entitled “**Streaming Intelligence With Pattern Pairing**” has been carried out by me under the supervision of External Guide **Mr. Rakesh J**, Technical Manager, Semantic Tech Labs, Bangalore and Internal Guide **Ms. Neha Agrawal**, 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

Sonu Kumar R

Date:

(1CR18MCA96)

ACKNOWLEDGEMENT

I would like to thank 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. Rakesh J, Technical Manager, Semantic Tech Labs., Bangalore, and to my Internal Project guide Ms. Neha Agrawal, 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. Rakesh J, Technical Manager, Semantic Tech Labs., 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

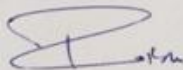
This is to certify that the project titled "Streaming Intelligence with pattern pairing" is submitted to Semantic Tech Labs in fulfillment of the requirement for the final semester degree of MCA from CMR INSTITUTE OF TECHNOLOGY, Bangalore.

The project is a bona fide record at work carried out by Mr. SONU KUMAR R (USN: 1CR18MCA96) under the supervision and guidance of Mr. Rakesh J (Technical Manager), Semantic Tech Labs 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.

Thanking You,

For Semantic Tech Labs



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CHAPTER 1

INTRODUCTION

1.1 Project Description

Performing various types of services based on domain working is necessary for the organizations to have a control on various perceptions of critical business data analysis, reference computing, domain maintenance, analytical references etc. The control that is required can be established with the help of the system that is being designed. So that each reference can be maintained and organized according to the requirements with elaborated process oriented with control panel. The panel is designed so that each reference can be utilized to encounter all monitoring services and all types of controlled server services. The references that are acknowledged are produced in way so that Superiority and functionality can be achieved with detailed security mechanism.

Even the system is produced in such a way that all types of domain and DNS management activities could be restored from one system. The system would also give sub domain as well as add-on domains which can be specifically added, and then they will get the added detailed setup which will be provided, so that if required they can be managed on individual perceptions. Each perception can be elaborated in different references of analysis, computing and monitoring which will provide the companies a detailed working with all types of work reference. The system also provides all types of DNS data orientation where all types of record will be maintained so that involvement with entire DNS record associated with particular organization can be instituted.

The system is to provide all security aspects that will include logging and monitoring for various types of users those who would be connected with control panel. Various types of perceptions for getting the information in the format of report will be associated. All types of reference which are included can be even customized for the view. The system also acknowledges the security features of SSL and TLS which are very much important for the

encryption to protect all types of user credentials and information that will be based on to a particular domain and sub domain.

All the security encryption algorithms are provided for again custom usage which is provided so that the required mechanism methodology can be self-selected by the company using the systems according to their security needs. The related communication is required with help of various types of mail account setups which is also associated with in the system so that any type of information transfer for any updating switch may require for the communication purpose internally or externally can be utilized. Even the references of the communication can be set up according to the rights required and even multiple Trigger points can be added.

The system also includes multiple working pages which are associated to promote the incorporation of various kinds of activities, so if a specific organization is having any kind of promotional business and uses any kinds of the main types it can be acknowledged with the help of multiple page design, so that the association can be generated and can be controlled with more precision.

All types of working glitches will be intercepted by the system so that the overall standard can be achieved in regards to the workability. The references that are organized on to the system will be also produced with reference graph which provides the details for example the type of domains that are added and managed, the number of users using the system and other customer related information. The conditional web services that are required for the integrated server provided by the provider can also be directly incorporated into the system and at a time multiple servers can be added and can be organized in terms of different types of operations in process.

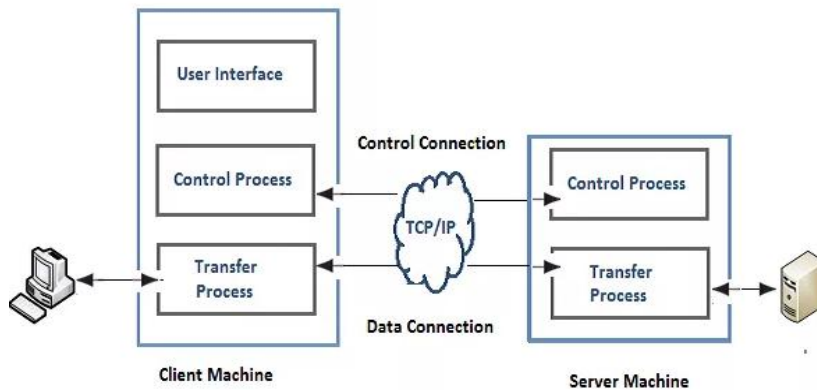


Figure-1

Process transfer undertaking is shown in the above figure

Detailed server setting option is also included which will help the users to integrate with the substances of the servers and accordingly each activity can be monitored in real time. The reference of the server side working various accessibility considerations to make it more secure and multiple servers at the same time can be organized which will save money and will be easy to control.

Detailed File Manager option is included which will be associated with all types of data management possibilities required in a secured way so that any type of relational data that is related with monitoring data, domain workability gets other research information which is properly generalized and managed. System also includes numerous types of support provision as the system can be utilized for providing services to a company using it to their clients so a detailed ticket system will be added so that any type of problem faced in real-time by the added customers could be maintained correctly. System also gives notification for various types of activities that will be conducted and in reference to which real time notification will be published.

1.2 Company Profile

The association is related with different business recognitions as far as various Global accomplices. The Organization was built up in 2009 and now benefits various kinds of hierarchical space organizations in reference to various very good quality business insight and hand craft arrangements. The significant changes and adjustments that are required as far as the administrations furnished will be furnished with the assistance of cooperative innovative work group.

The working observation is as far as tweaked relationship with each customer to give them all the necessities they require with progressively ideal understanding as an extensive research work will be embraced to give any sort of administration required by the customer. The organization takes a shot at worldwide scale to give the specific prerequisite comprehension of the customers as the customers will be related with various areas for instance software's, retail, banking and so on.



Some of the main services provided by the organization are listed below-

Web Application Development

Payment Gateway Integration

UI/UX Design for Web Application

Architecture Design

Database Migration

Backup & Recovery

Feature Enhancement

Application Migration & Porting

Database Design & Development

Software Testing

Software Development

Market research and prediction

CHAPTER 2

LITERATURE SURVEY

2.1 Existing System and Proposed System

Existing system

In existing system numerous kinds of services are necessary to be acknowledged in terms of domain and servers, which are pretty much tough to arrange in required form. As different perceptions are essential to be arranged in a systematic order, for example individual service are required to be controlled individually, web domains are required to be maintained and even the references of statistics is quite difficult to find, so when we have acknowledged the questionnaires with different clients we found that they are facing the controlled problem as they cannot navigate the work from single system.

Some of the important problems that are being acknowledged are recorded below:-

- In the existing system the integrated control for different references of domains, service, processes, security etc. cannot be found from one system so the workability is quite elaborated and requires multiple control mechanism to handle different activities.
- We also found that the compatibility that is required in terms of the technological variations that are followed by different organizations in different way is also a big problem as the tools that are available are not compatible with some type of technologies and machines.
- Acknowledged security is also a major problem than intended security, which requires extension of resources that have to be utilized for incorporating a particular security type. In the existing system the security methodologies are utilized by using extended resources which again makes the work more costly and lots of drawbacks are associated with the implementation.

- In existing system we have also observed that central hierarchy control is not possible for accomplishing numerous kinds of processes and to accomplish numerous kinds of integration at the same time.
- For generalized planning and to understand the domain working behavior even different types of statistical information is needed which is not available in the existing system.
- The data acknowledgement and the complex data management processes that are followed in the existing system is also a problem as more confidential information can be stolen at the time of server side activities.
- The working information based on access control which we say the law of consideration is also quite difficult to get and even we have seen the acknowledged backup system is not up to the mark in terms of recovery.
- The graphical process information that is required to assist the working in real time is also missing in the existing system having a negative impact on the work consideration. When various types of graphical conditions are associated and provided it is easier for the companies to understand and to get acknowledgement eventually helping to make proper decisions.

Proposed system

Proposed systems are based on delivering platform incorporated control which we were lacking in the current scheme where numerous kinds of work conceptualization are required to be undertaken. The system will be based on various control features for the incorporated services that can be achieved for detailed domain management and analytic views. The proposed system is defined for the integrated working on multiple environments and servers at the same time which makes it very much useful and helps to illustrate the conditional workability.

All types of problems which we have faced in the existing system have been listed in the proposed system some of the important provisions are recorded below:-

- In the proposed system all types of variations that are required for domain based processing, managing sub domains, integrating with multiple servers, security transfer processing etc. can now be controlled from a central system by customized knowledge.
- The proposed system is designed for encouraging various kind of compatibility that would be associated when numerous kinds of domain service and Web Services are needed to be managed.
- In the proposed system even the security extensions are provided which can be utilized as required so the cost provision is reduced and the users will be having the option of multiple methodological usages in controlled way.
- The proposed system provides to accomplish hierarchy control where multiple types of integration and processes can be organized at the same time.
- The proposed system also provide generalized planning which will help the company to have more optimal workability as any type of statistical information required can be fetched directly.
- The system also provides confidential information management where the companies can utilize different methods to manage the complex data transfer mechanism at the time of server integration.
- The proposed system also gives various kinds of performance information for access control where any type of recovery can be achieved and even different backup provisions can be set up.
- Graphical information displays also acknowledged in the proposed system to make the view of the information more optimized and systematic. When multiple types of services are maintained the users may require the planning and Research information that will be produced and converted in the graphical report format.

2.2 Feasibility Study

The feasibility study is based on the proposed venture in terms of understanding the weakness, opportunities and threats that are related, and how the feasibility will be obtained for the functional requirements. The feasibility study is divided into various kinds of category and each category will be associated with various kinds of concerns, for example financial requirements will check the cost needed for development, technical requirement will be check all associations required and in the same way operations requirement will check all the operations required.

- Financial feasibility
- Operational feasibility
- Technical feasibility

Financial feasibility

Request for cash provisions that is needed for the development and implementation has to be properly estimated and it will be done with the help of proper statistics and calculations.

Different stages and the sensitivity of the payment capability and investments capability of the organization have to keep properly acknowledged.

Detailed return on investment calculation for the projected profitability will be also acknowledged.

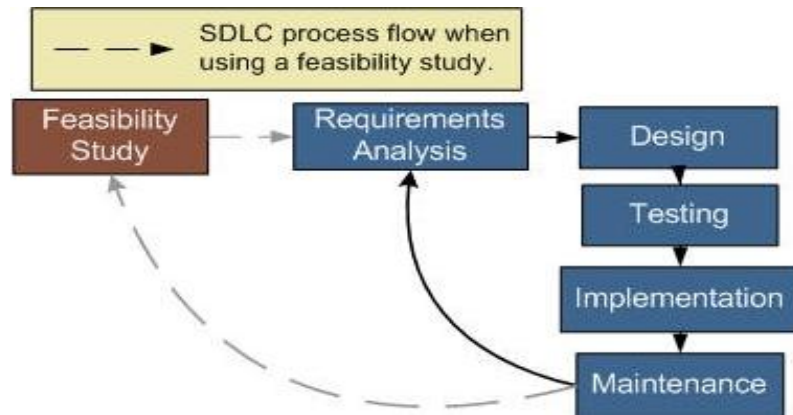


Fig-2

Process reflection is shown in the above diagram to relate the details.

Operational feasibility

The supportability and affordability of the system has to be properly discussed as it is required that more clients are associated and use the system to accomplish their working task.

The operations are required to be redefined to check that all phases of the project and the critical aspect can be managed properly for which proper team structure is required to be designed and associated.

The users will be promoted with the usability and the usage where numerous kinds of work considerations would be documented as it is required that any type of option which is presented can be properly understood.

Technical feasibility

Different types of problems that may be faced in the real time will be acknowledged as it is required that reference for the proper solution has to be obtained.

Technical feasibility will also deal with the security methods that are associated and numerous kinds of considerations that are needed to be self-acknowledged by user itself.

Technology that is designed for the implementation and for the development will be checked and will be planned so as to encourage the functional development as it is needed in terms of the requirements.

All types of associations that are provided requires credential usage rites which will be checked as multiple servers and domain incorporated working will be acknowledged.

Different types of frames of domain integration will be checked for the accuracy.

2.3 Tools and Technologies Used



Java

Java is an all-around programming language, created in 1995.

Used for:

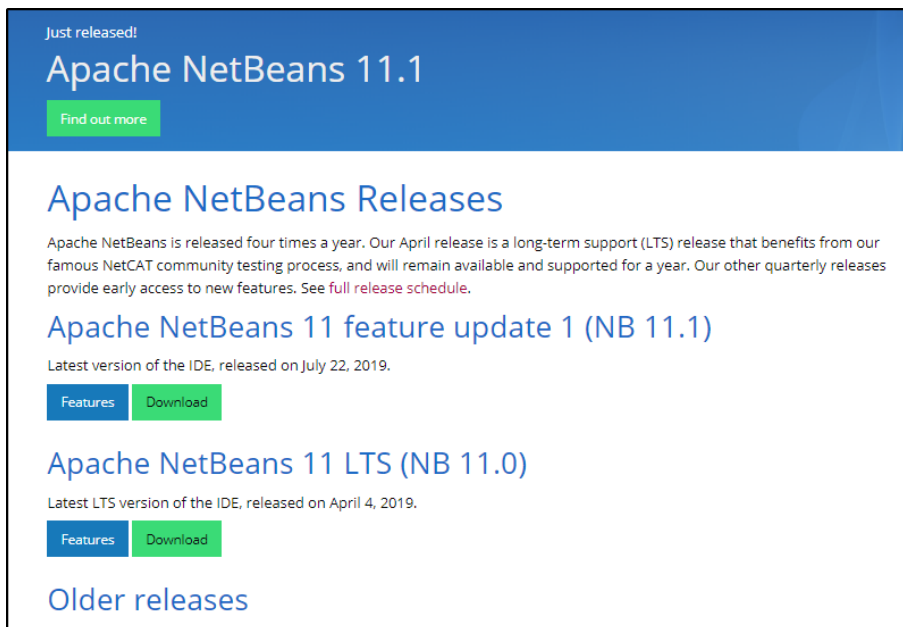
- Web applications
- Web servers and application servers
- Mobile applications
- Desktop applications
- Database connection
- Games

MySQL

- MySQL is a database system used on web
- MySQL uses standard SQL
- MySQL compiles on various platforms
- MySQL is free to download and use
- MySQL is developed, distributed, and supported by Oracle Corporation
- MySQL is a database system that runs on a server
- MySQL is ideal for both small and large applications
- MySQL is very fast, reliable, and easy to use

Install Net Beans

Go to the link: <https://netbeans.apache.org/download/index.html>.



Just released!

Apache NetBeans 11.1

[Find out more](#)

Apache NetBeans Releases

Apache NetBeans is released four times a year. Our April release is a long-term support (LTS) release that benefits from our famous NetCAT community testing process, and will remain available and supported for a year. Our other quarterly releases provide early access to new features. See [full release schedule](#).

Apache NetBeans 11 feature update 1 (NB 11.1)

Latest version of the IDE, released on July 22, 2019.

[Features](#) [Download](#)

Apache NetBeans 11 LTS (NB 11.0)

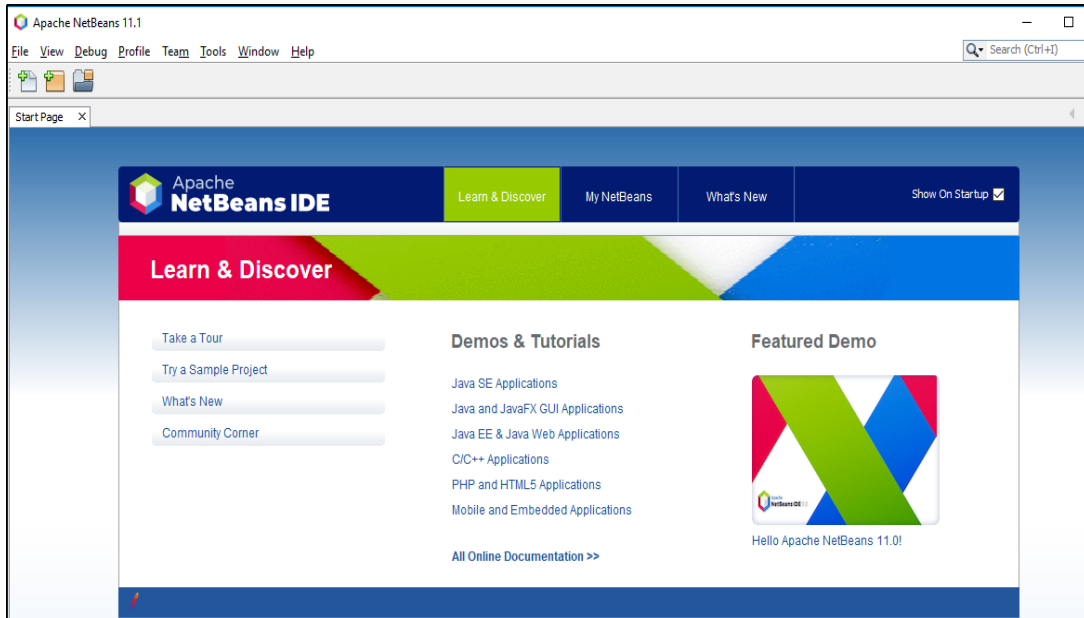
Latest LTS version of the IDE, released on April 4, 2019.

[Features](#) [Download](#)

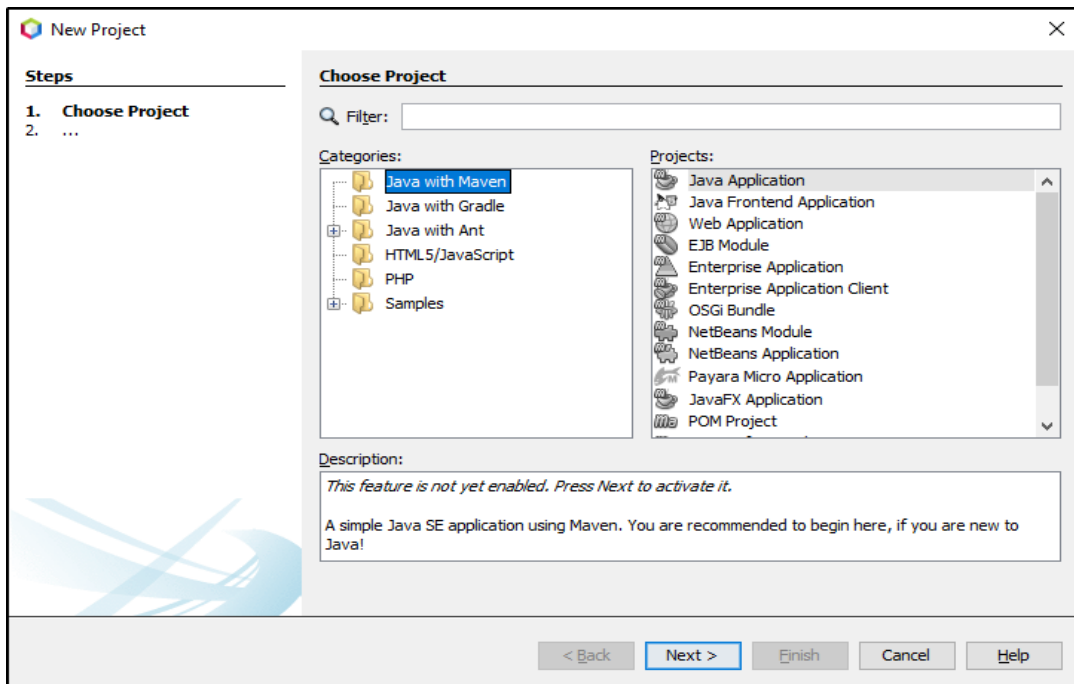
[Older releases](#)

Net beans IDE has an easy layout structure with limited numbers of buttons.

Let's see how Net-Beans UI looks like:

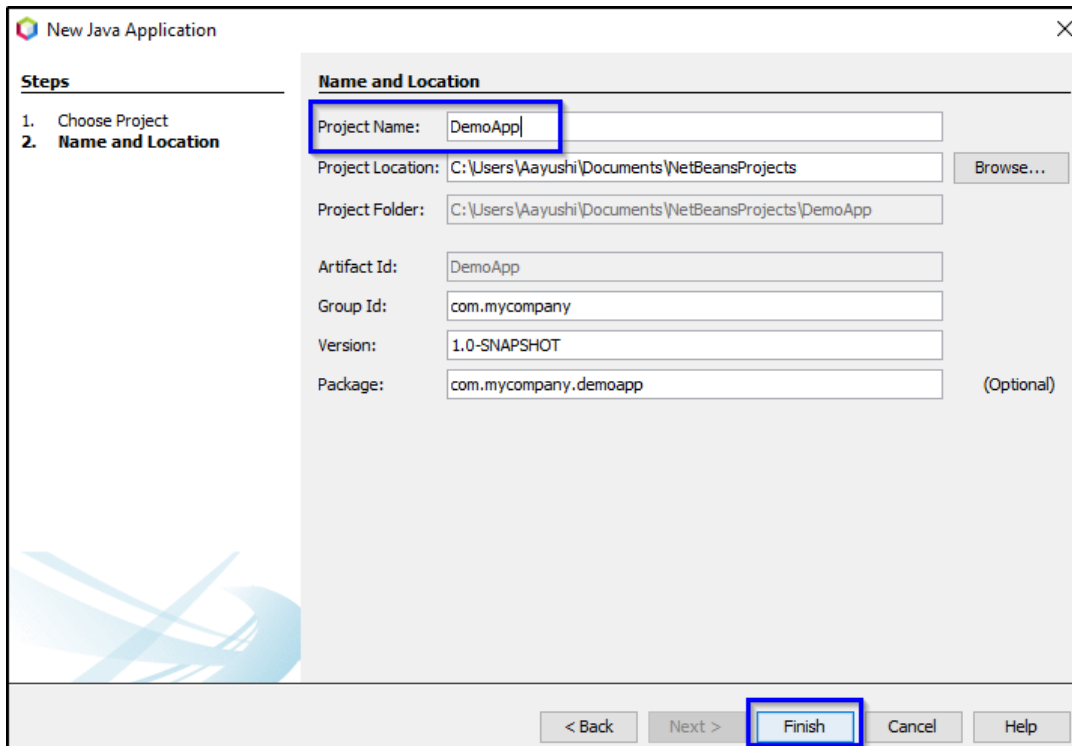


File -> New Project. Select the “Java with Maven” category and “Java Application” projects.

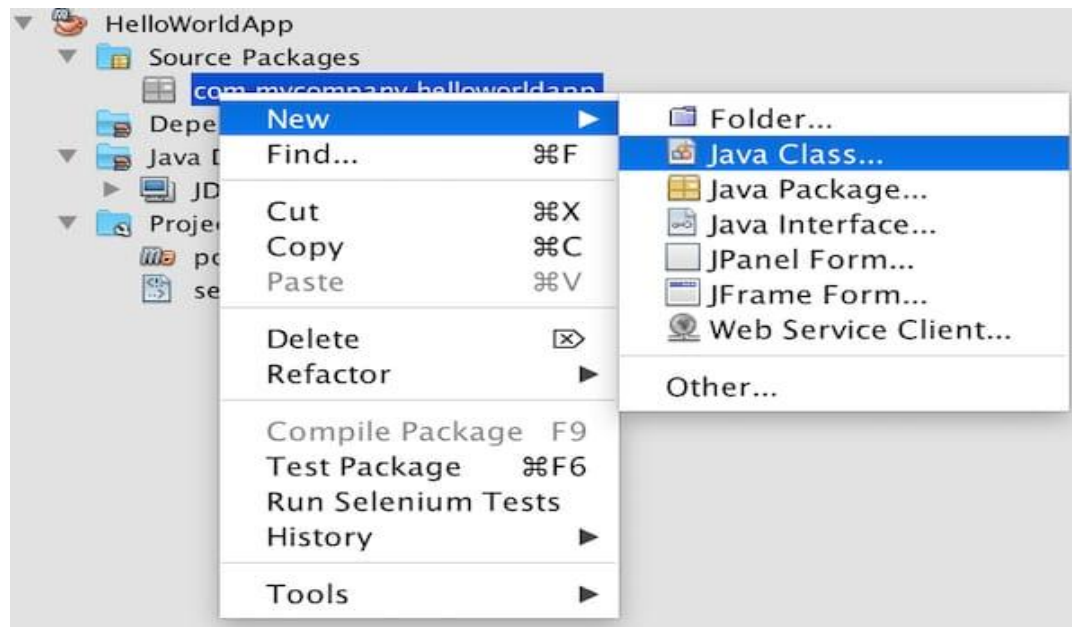


Select Next

Name our first project-



Click on “Finish” and you are set to go-



Our Java source file will be created and opened.

2.4 Hardware and Software Requirements

Software requirements

Databases

MySQL8.0.13

Technology

Hybrid cloud (implementation)

Platform

Windows

Languages

JAVA (J2EE, JavaScript, JSP)

Integrated development environment

NetBeans/Eclipse

Supporting Server

Apache Tomcat 8, SSD cloud server, Amazon s3

Hardware requirements

- Computer processor : 4th generation Intel core i3
- Clock speed : 1.7 GHz
- Hard Disk Space : 500 GB
- RAM : 4 GB

CHAPTER 3

SOFTWARE REQUIREMENTS SPECIFICATION

Users Administrator

The administrator is associated with the work as the systems are individualized for different types of control work, so that the systems would be used by numerous kinds of administrators. Only super administrator will be providing different types of concepts in regards to different types of work, when a particular task is provided to perform an activity. For example domain orientations are in regards to provide different types of server related activity to a particular user who can perform specific type of activity only.

Scope and objective

The system will give the users with a centralized working for the controlled activities related to the domain and Web Services which is quite useful when multiple organizations are handling different types of provisions so it will help multiple organizations to have a secure conditional working.

The main work of the system is to give multiple operations for control, of different types of servers and domains from fingerprint which can again be customized in different ways and total security can be provided.

Assumptions and dependencies

Important assumptions of systems are when their services are clubbed together or various kinds of domains along with sub domains are also clubbed together, the user should have a detailed knowledge about the term and the concept of work so that the working can be optimized properly this will help to bring the system to the optimization.

The dependency is that as the domains will be added and organized, all types of activities which are related are required to be achieved from a Central Place, each reference that is required will be having the conditional setups with the help of the system, making it usable only at the time of login.

Problem statement

The problem statement for the system is that runtime intelligence is required for different types of appropriate activity settings which will be done by the administrator which is quite complex.

Multiple references of the activities in parallel with different types of added rules and regulations has to be generated which is quite complex because different types of variations of integrations in other formations of analysis support has to be provided.

3.1 Functional requirements

The functional requirements are the detailed description of the custom options and the features that has been provided. As it is needed all the requirements are based on features that are included, and which should be associated in a way that all the associated peoples can understand the workability. Requirement will be acknowledged with the processing details, the input details, the output details and other types of triggers.

Adding and managing domain

Use Case Names	Adding and managing domain
Triggers	Selective and inputs
Preconditions	Access required

Process	Adding and managing domain is associated with first details that thing there different types of options are required to be added so that the system can understand the related platforms that are required to be incorporated in used after which each domain can be directly associated and used for different types of working and even various domains and sub domains can be acknowledged at the same time
Post-conditions	Different domain and sub-domain added

Integration

Use Case Names	Integration
Triggers	Settings
Preconditions	Credentials required
Process	Integration that is associated with different servers will be also process to get the details getting where multiple conditions related to the file transfer protocol setups and other associations will be acknowledged. The integration that is provided will be in real time and even multi service integration can be organized
Post-conditions	Servers added

Security

Use Case Names	Security
Triggers	Selections
Preconditions	Access and integration settings performed
Process	The securities are important need so within the system each type of reference based on algorithms and other access conditions are provided which are required to the setup according to the needs and in reference to which all the conditions will be saved and system will take for tracking and control for the security breach. Servers are connected different types of transfer information security is also associated with which will be performed as selected
Post-conditions	Defined

Information

Use Case Names	Information
Triggers	Auto
Preconditions	Activities conducted

Process	The information that is required to understand about the real-time processes that are undertaken is also associated so the system will continuously provide the information about different activities in real time update format. So if for example the related integration connection is being failed the system will provide the notification in the same way all types of processes will be notified
Post-conditions	Reference provided

Statistics

Use Case Names	Statistics
Triggers	Auto
Preconditions	Reference activities performed
Process	Statistics is also important so the system provides the report based on the data's available in form of numerous kinds of graphs is quite helpful and revised information. Various kinds of business related statistics for Planning can be generated from the system, for example the domain statistics to understand how the company domains are performing is provided
Post-conditions	Different stat generated

3.2 Nonfunctional requirements

Nonfunctional requirements are associated in such a way that all different teams and users should be acknowledged with a professional aspect of quality. Nonfunctional Association are based on the security, the documentation of the user requirements, the scalability that has to be provided, the maintenance options that are required to be included etc.

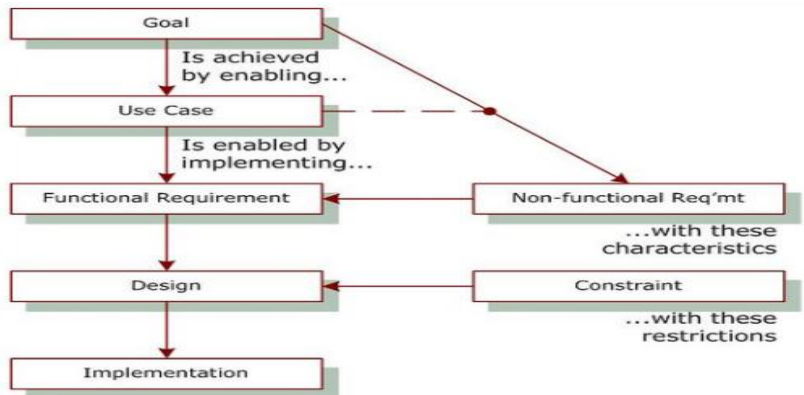


Figure- 3

The figure above shows how the functional and nonfunctional requirements are associated

Topological variations

The logical variations are associated with the compatibility that is needed to undertake different types of server related working so the users can select any type of server and any type of service and for doing so the system should be compatible. The proposed system gives all kinds of compatibility so any type of working environment and network could be integrated and could be related with numerous kinds of controlled activity.

Disaster recovery

The disaster recovery formation is based on consideration that multiple types of data transfer and other activities on the client side will be performed the reason why there should be a

disaster recovery revision so with the help of system integrated synchronization is added which will be used for the data recovery if required.

Inter operations

Intern operations are the ability of the system to carry out with numerous kinds of tasks and processes in reference to various kinds of teams along with various kinds of workability which is needed to be acknowledged. Inter operations white elaborated working features which will be simultaneously used by different users for numerous kinds of ambitions and operation.

Documentation

System will be added with a detailed documentation about how the statistics is required to be fetched and other provisions of domain and sub domain setting. The system we also provide the detailed integration provisioned with different types of screenshots so that the users can have understanding about how to integrate with other servers and how to utilize the system.

Security

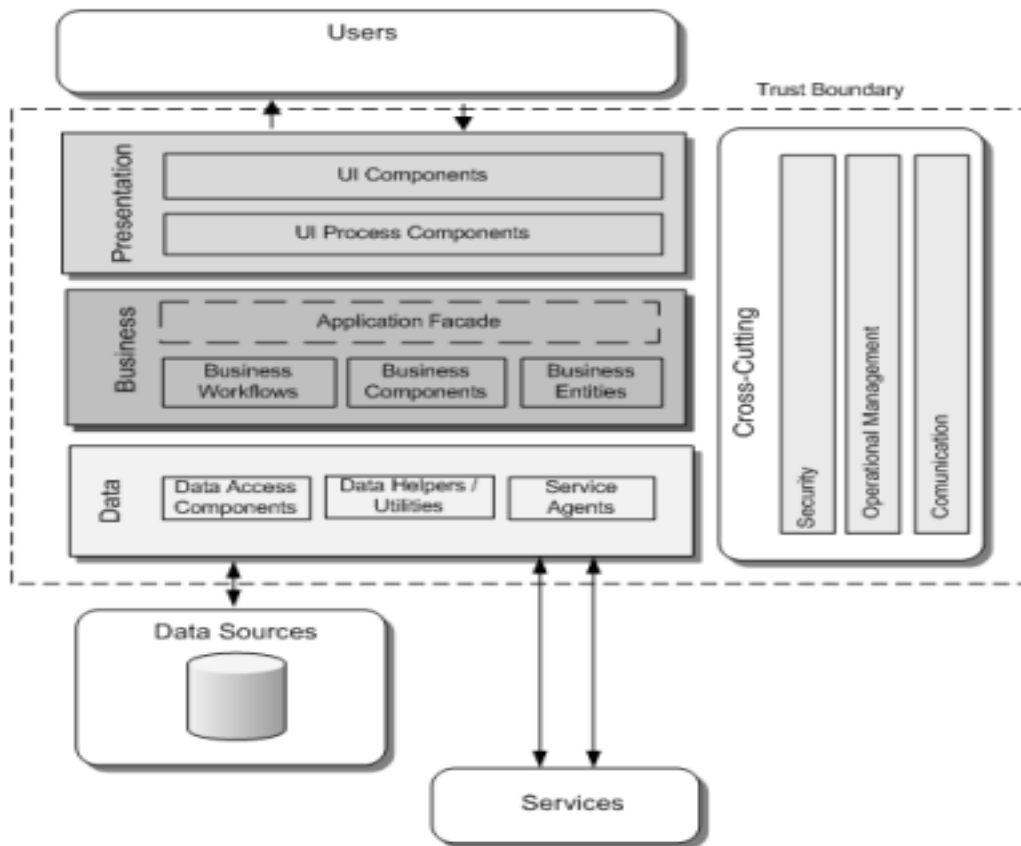
The system incorporates different security options which is included to have multi references that has to be setup and each reference will be produced in a way that the conditions can be satisfied according to the exact requirements of the user. Retail encryption algorithms will be added in will be utilized for the information transfer activities and integration activities that will be performed.

CHAPTER 4

SYSTEM DESIGN

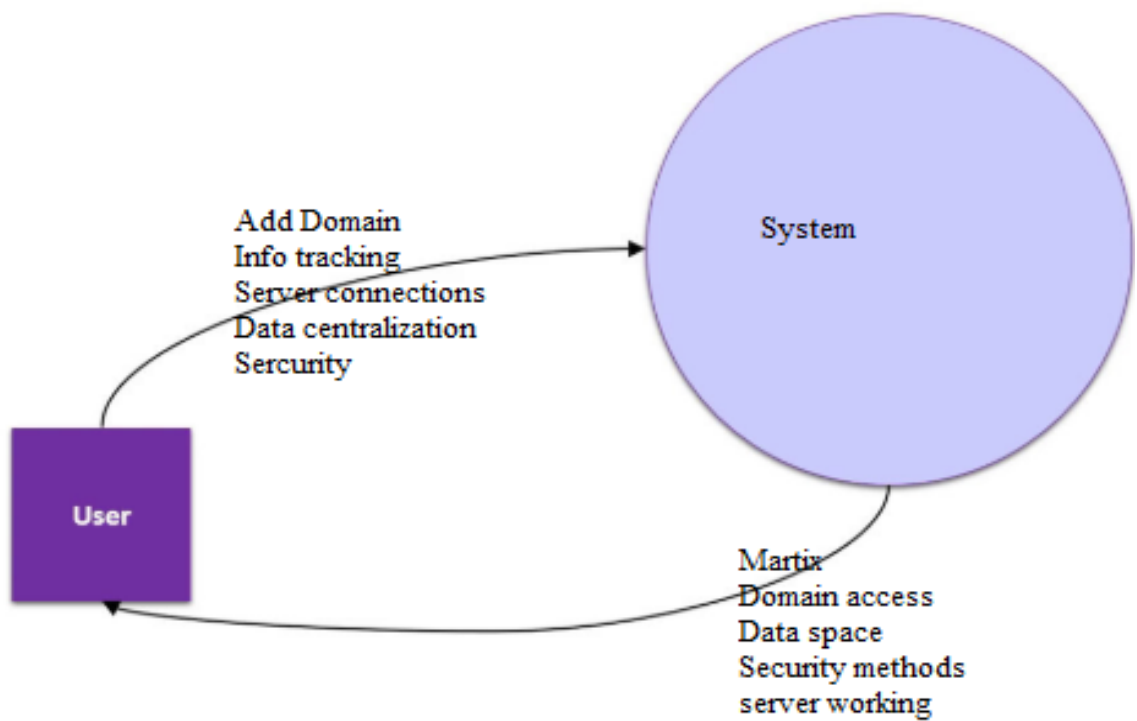
4.1 System Perspective

Architectural diagram shows the detailed plans of the system components in different level office implementation.











4.2 Context diagram

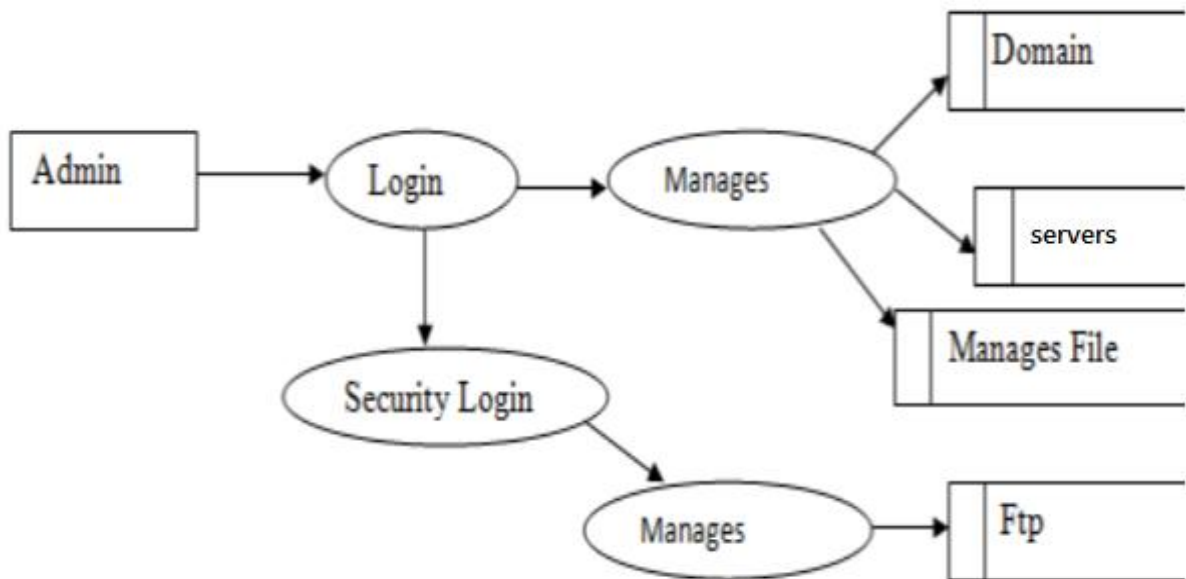
Context diagram shows the information at a glance which includes all the scope and boundaries of the system. Context diagram easy to draw and no technical knowledge is assumed while designing it.

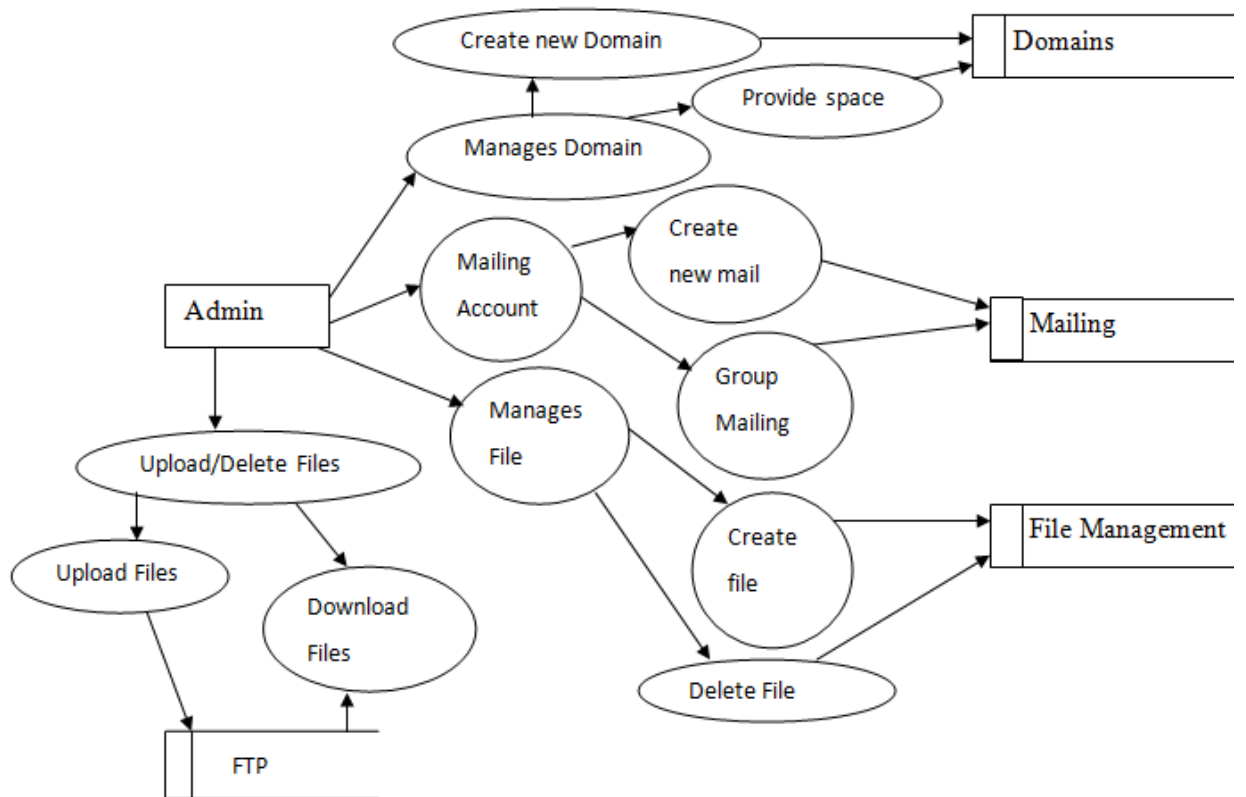
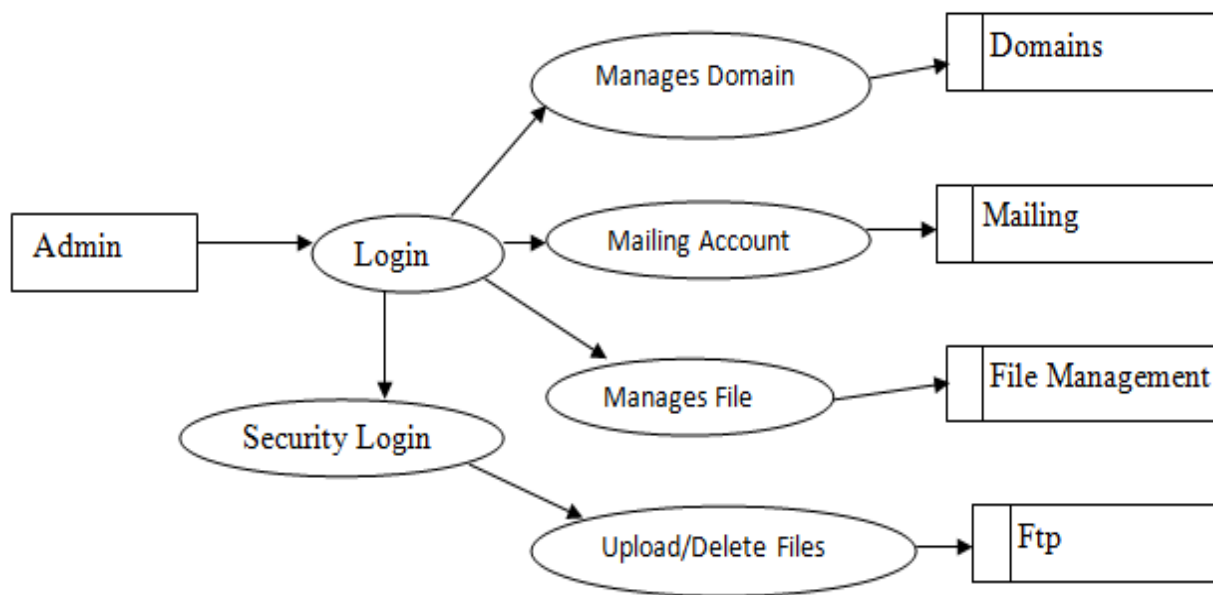


4.2.1 Data flow diagrams for streaming intelligence with pattern pairing

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.

	Yourdon and Coad	Gane and Sarson
External Entity		
Process		
Data Store		
Data Flow		



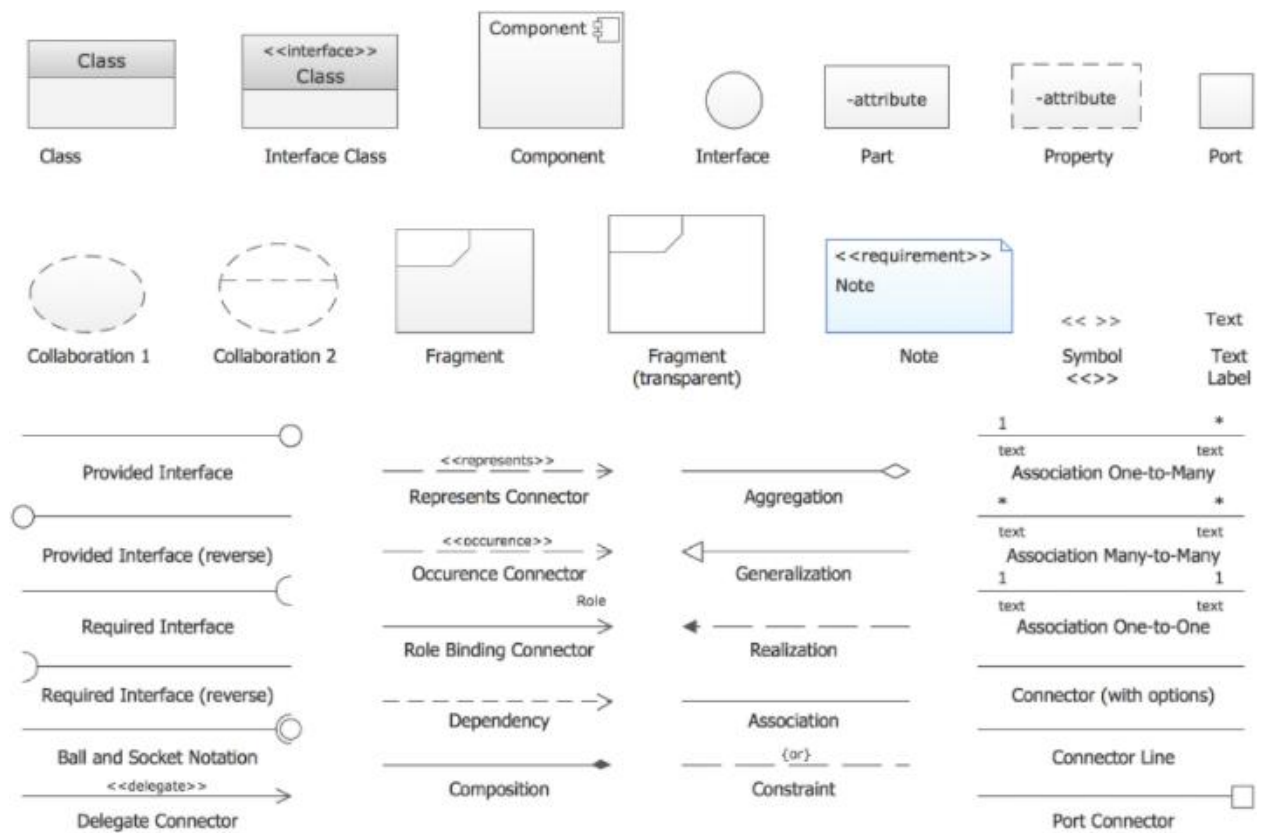


CHAPTER 5

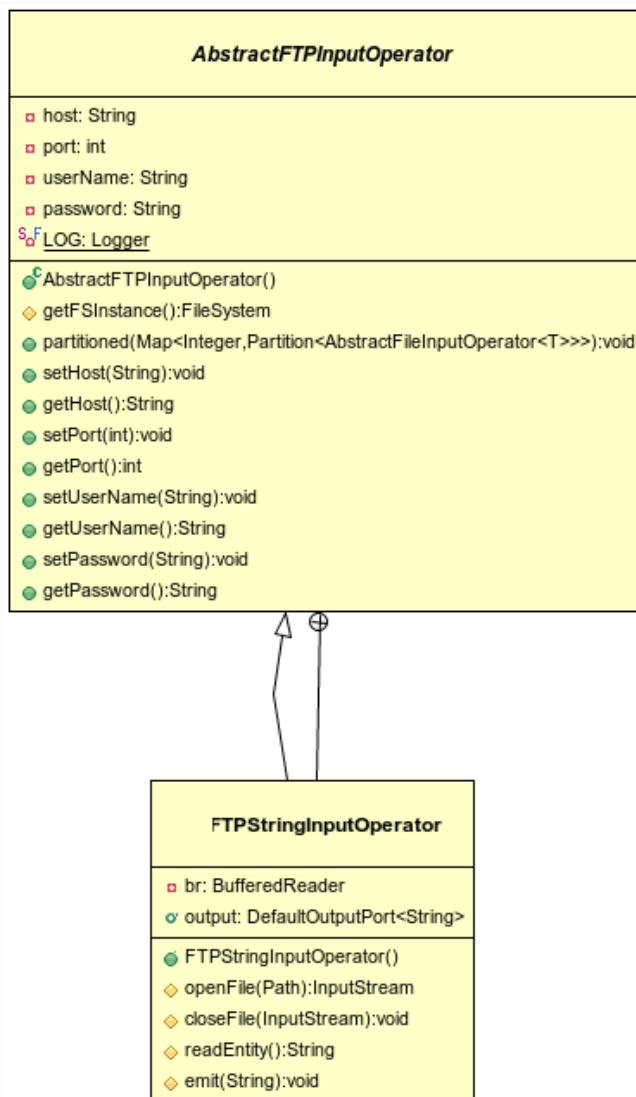
DETAILED DESIGN

5.1 Class diagrams

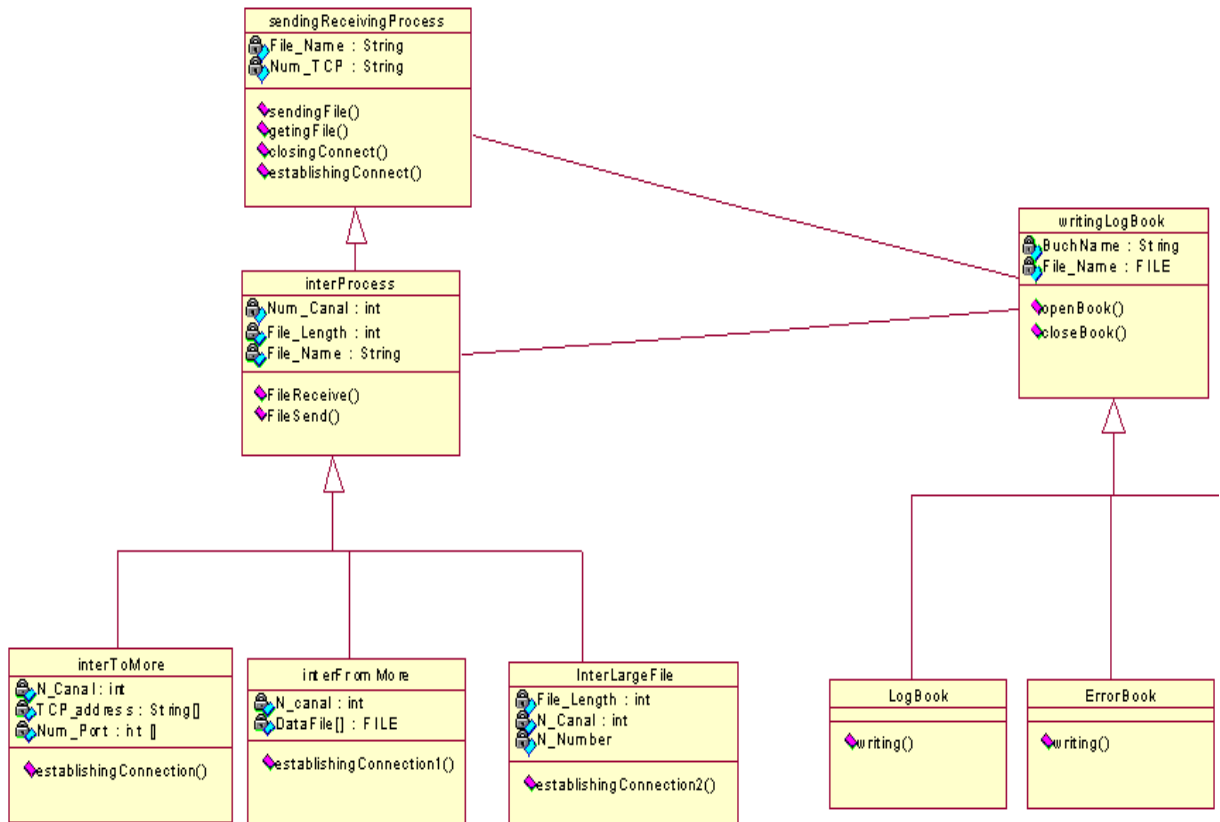
Class diagram shows the system classes' attributes and operations and different types of relationship among objects.



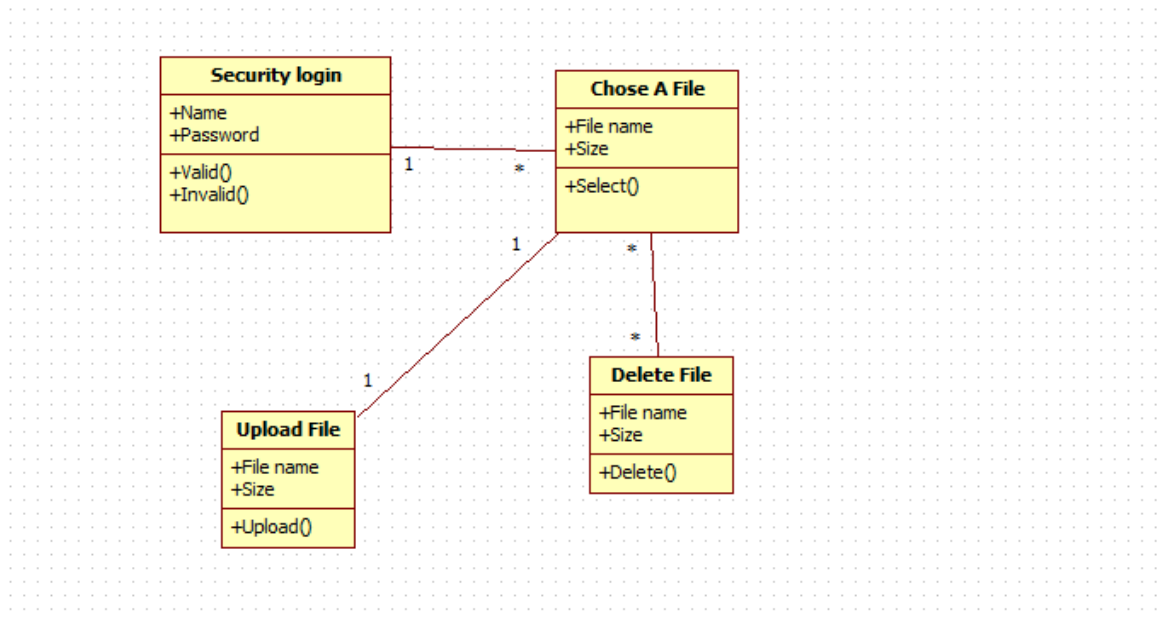
5.1.1 Class Diagram for streaming intelligence with pattern pairing



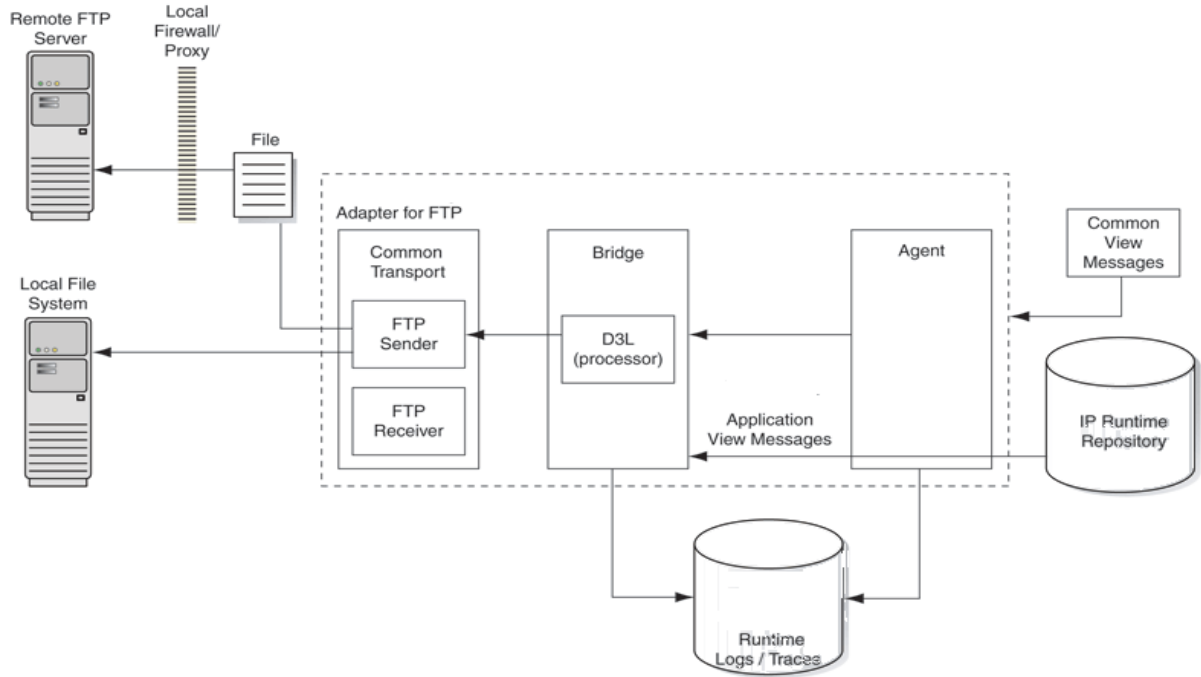
Class diagram



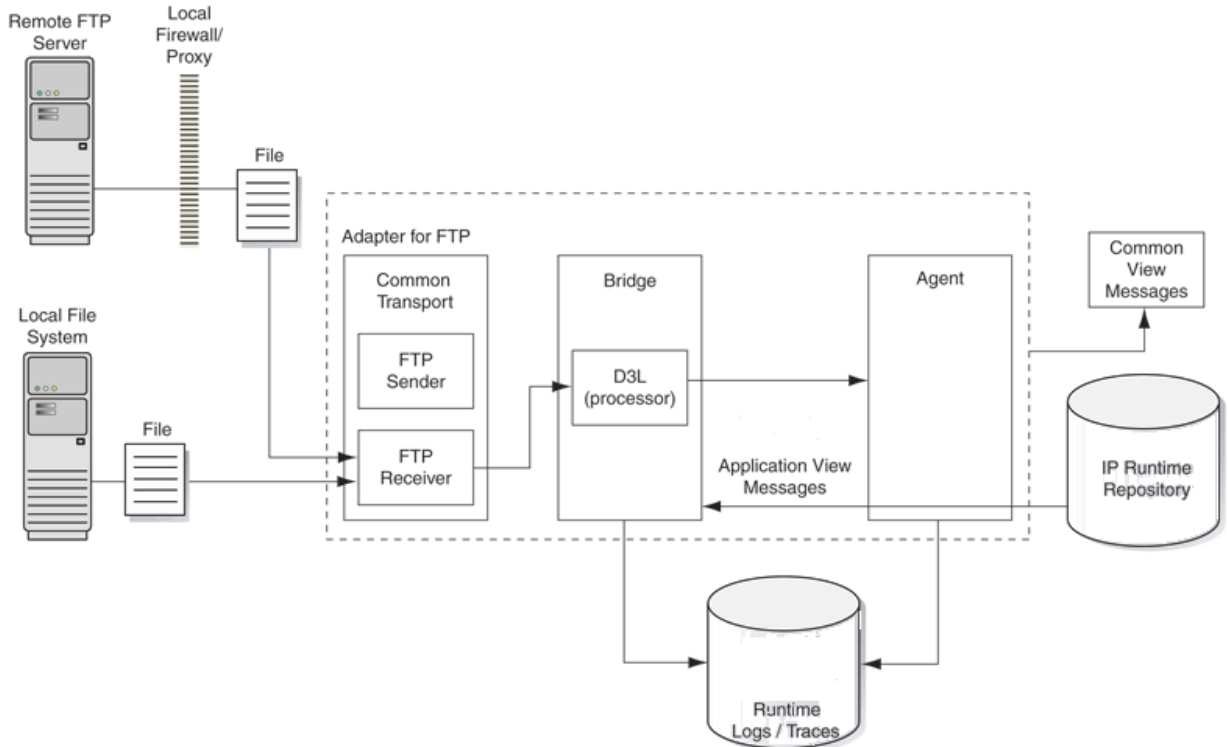
Class diagram



Incoming Messages Data Flow

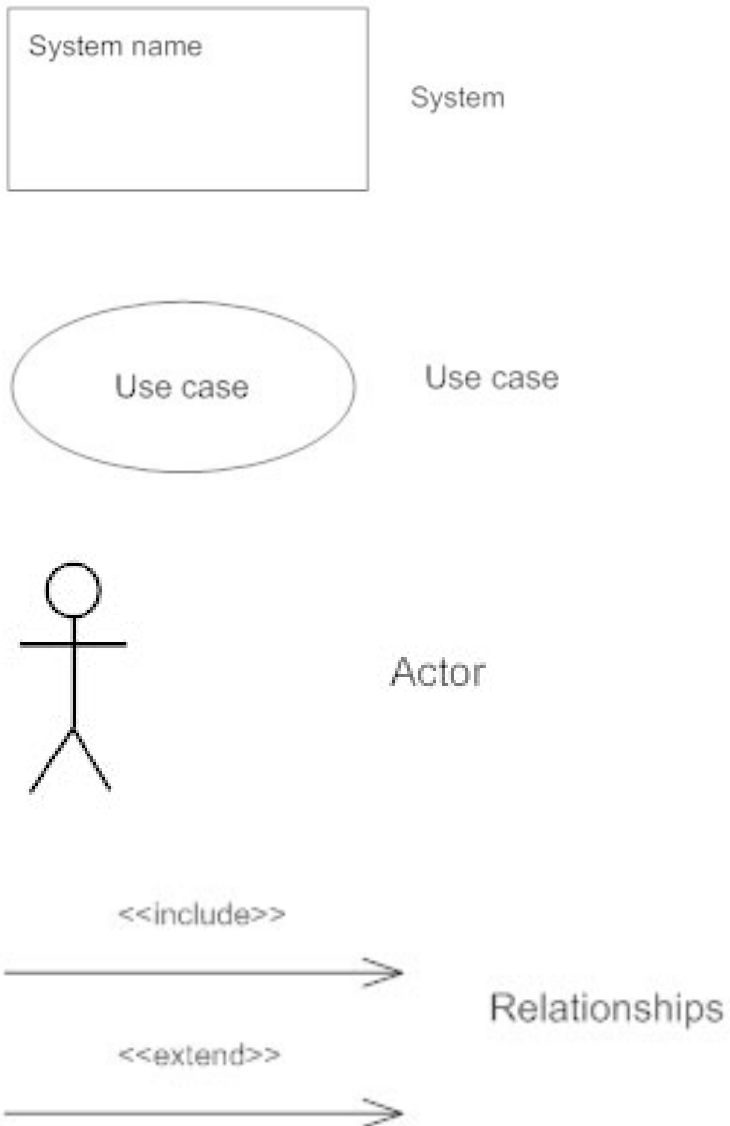


Outgoing Messages Data Flow

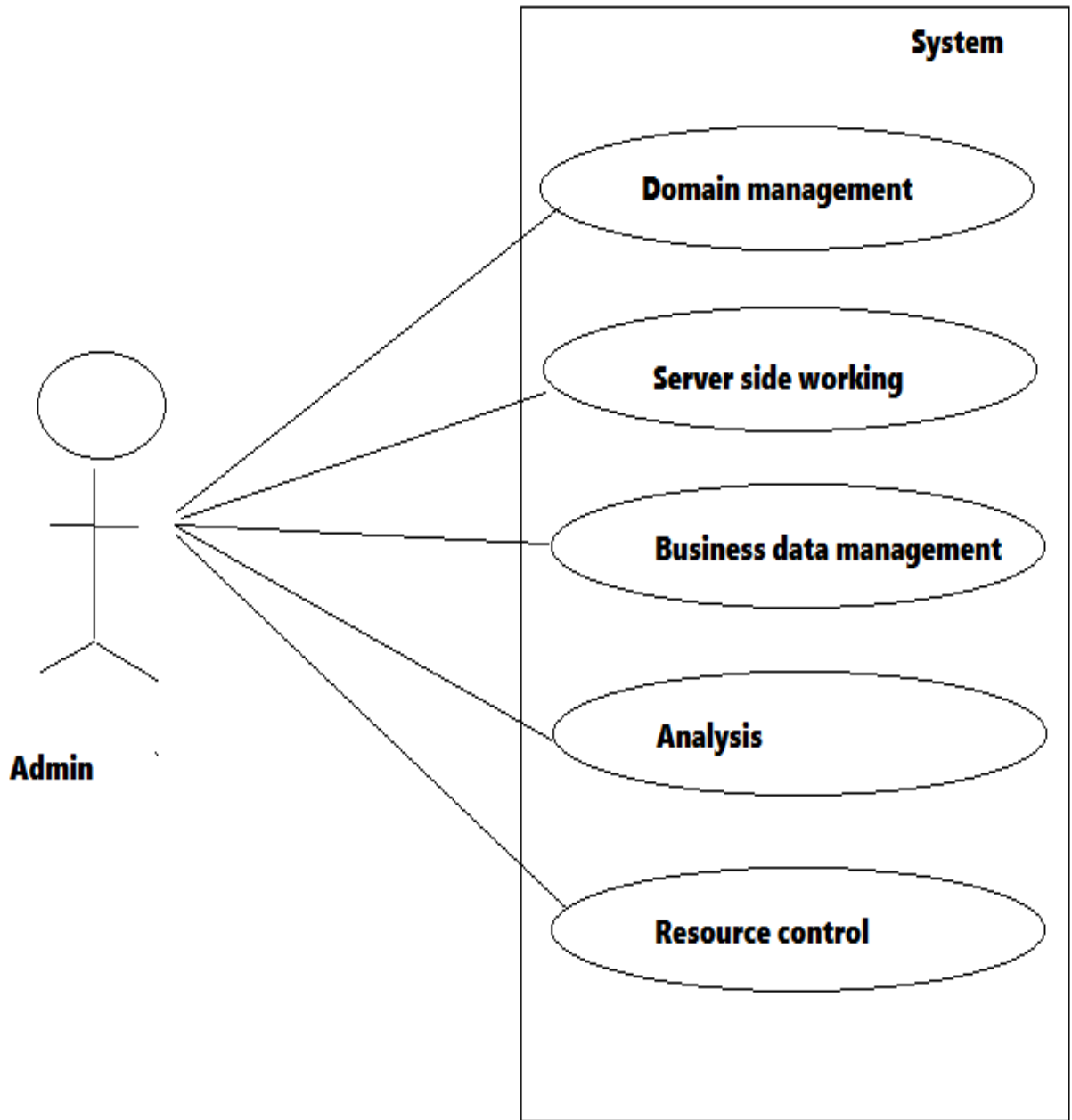


5.2 Use Case Diagrams

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

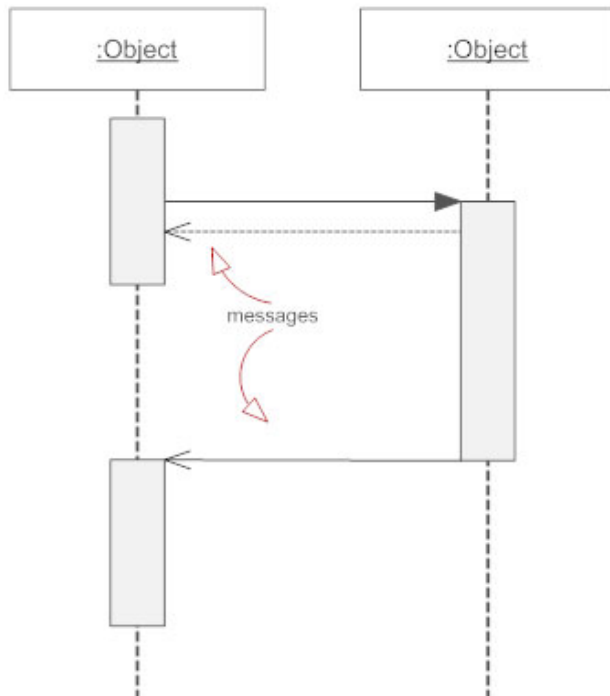


5.2.1 Use Case Diagram for streaming intelligence with pattern pairing

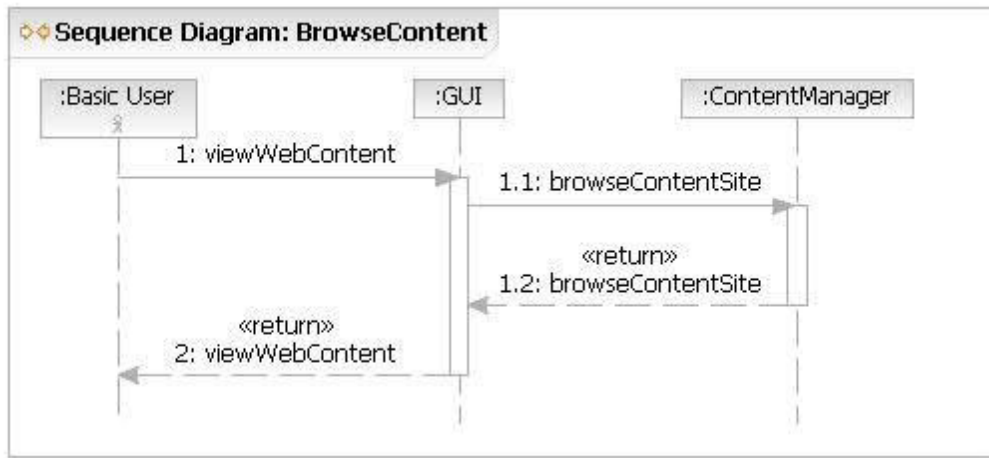


5.3 Sequence Diagrams

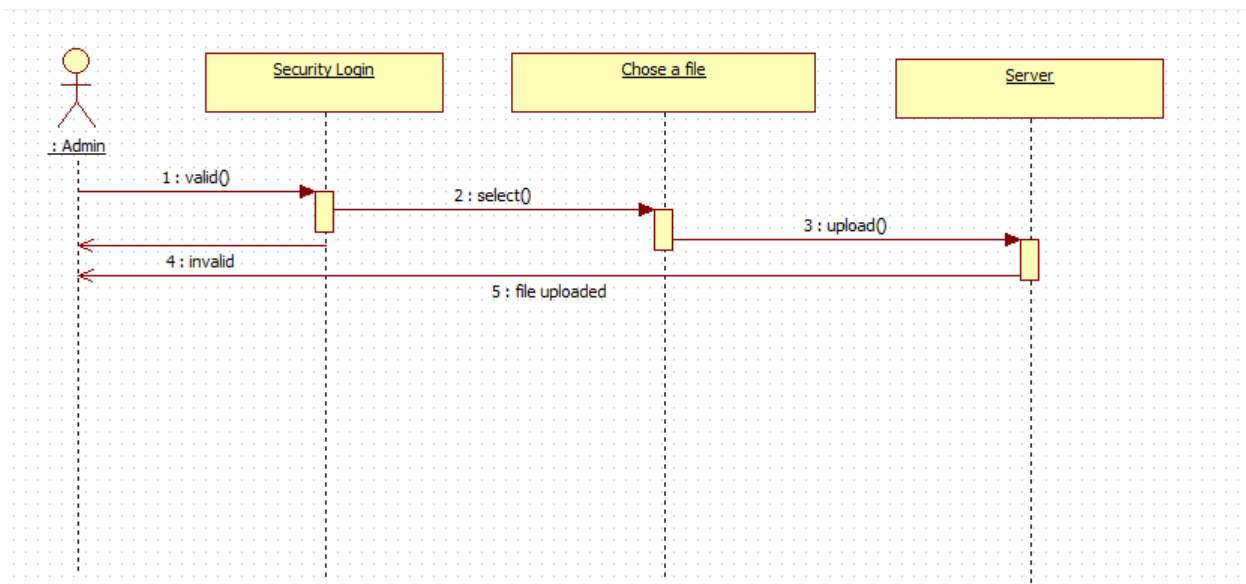
Sequence diagram shows the related external actors and the related methods invoked by these actors.



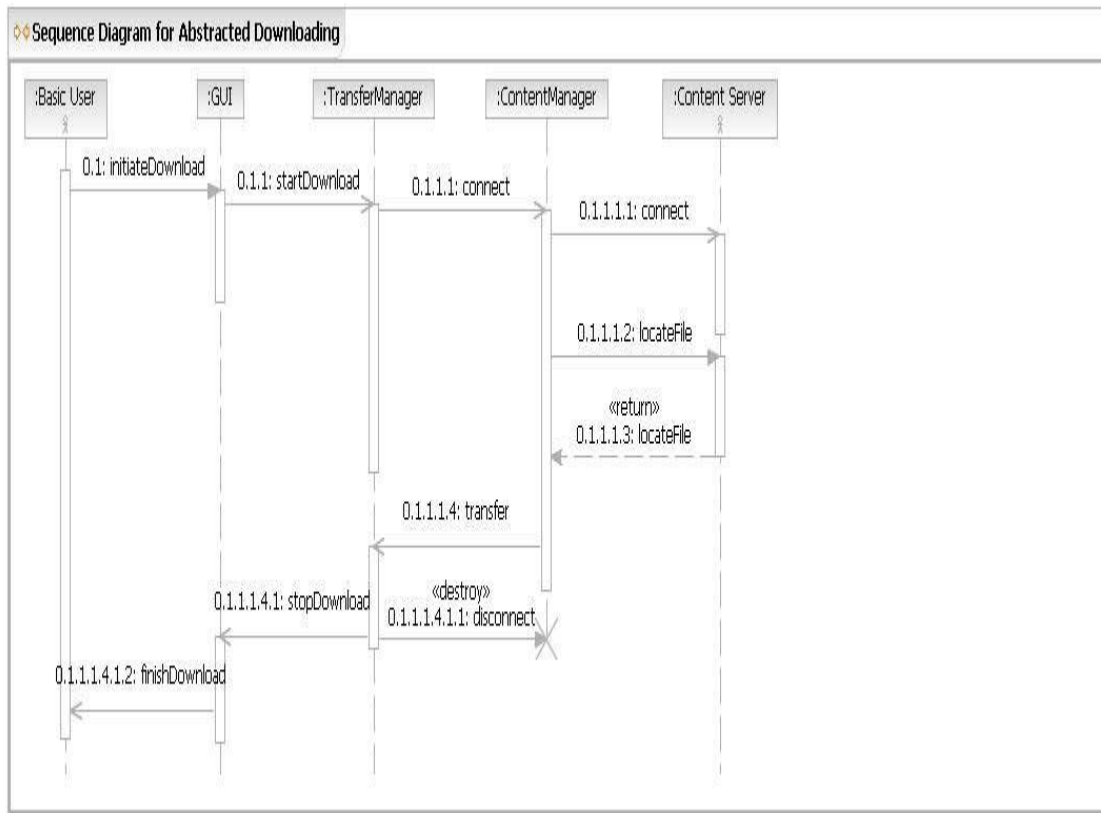
5.3.1 Sequence Diagram for streaming intelligence with pattern pairing



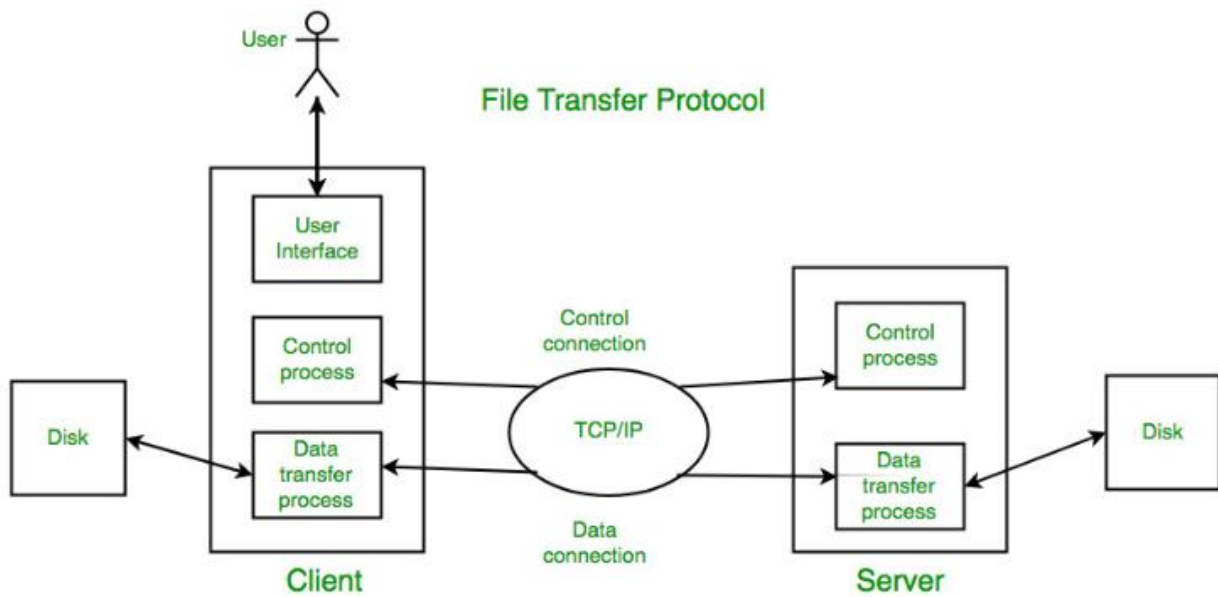
Sequence diagram- browse content



Upload file sequence diagram

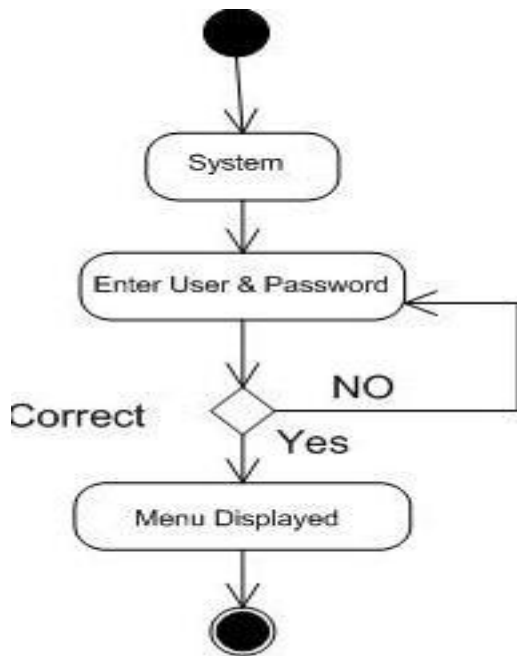


Sequence for downloading



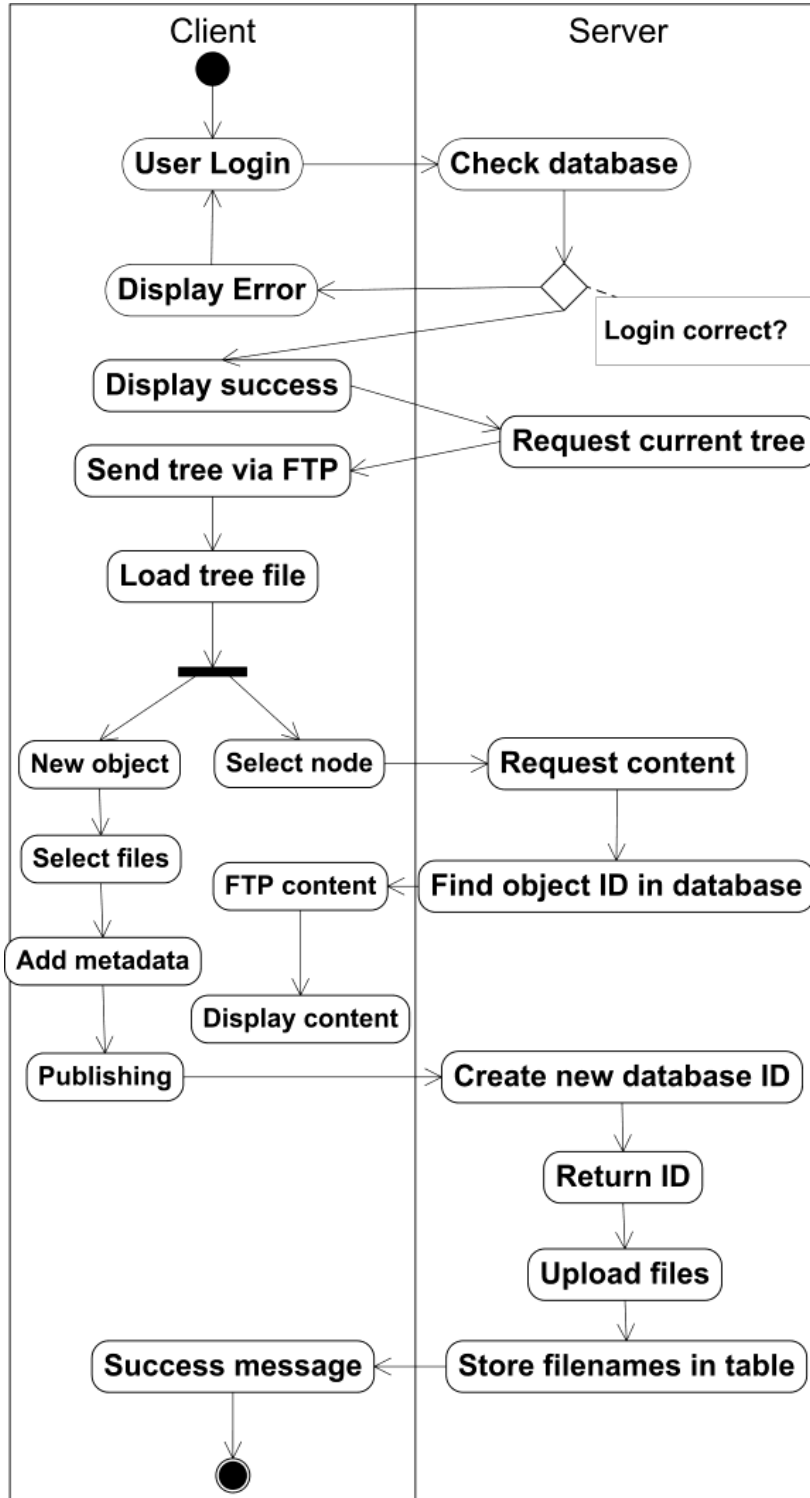
5.4 Activity Diagrams

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.

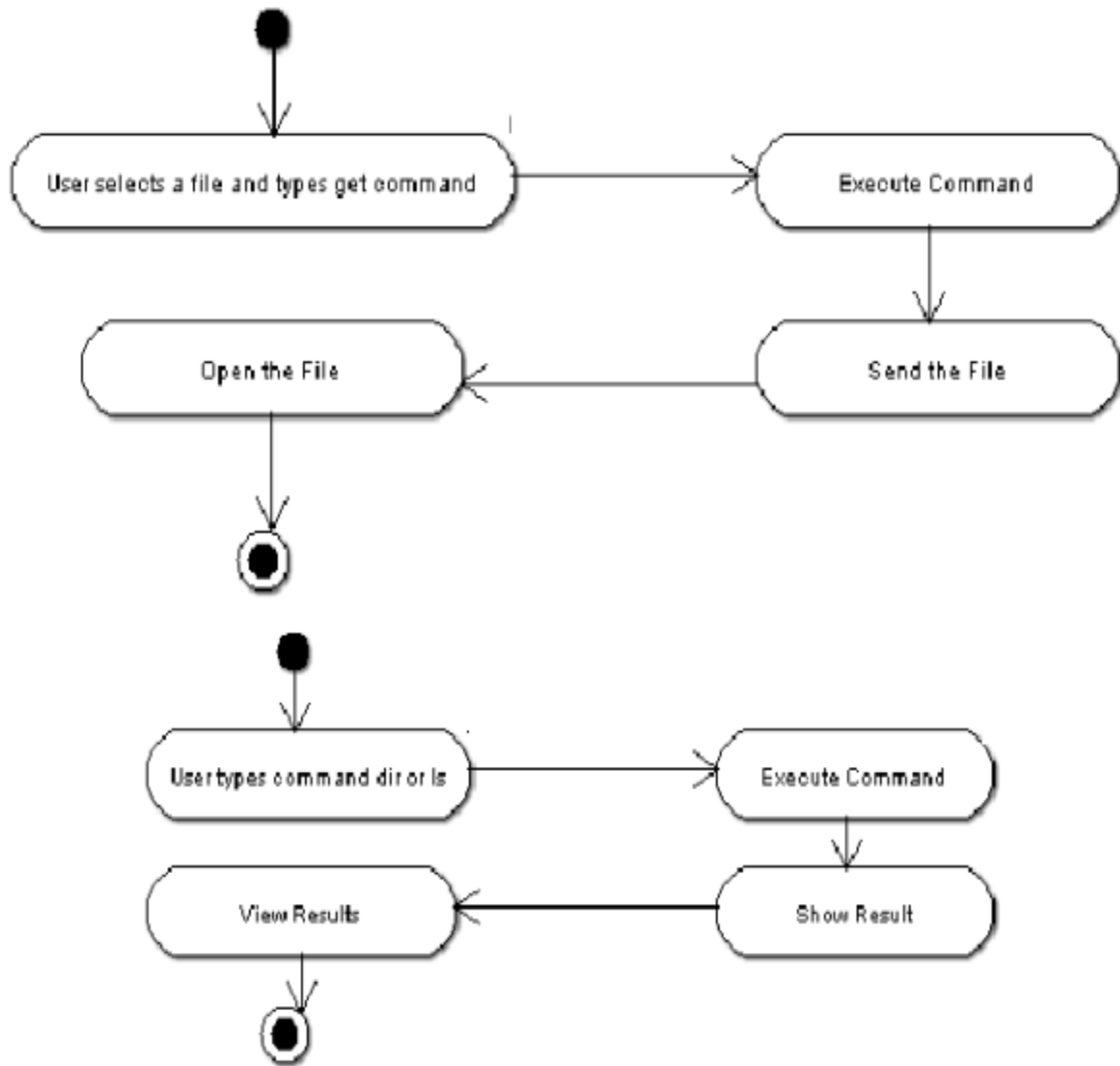


5.4.1 Activity Diagram for streaming intelligence with pattern pairing

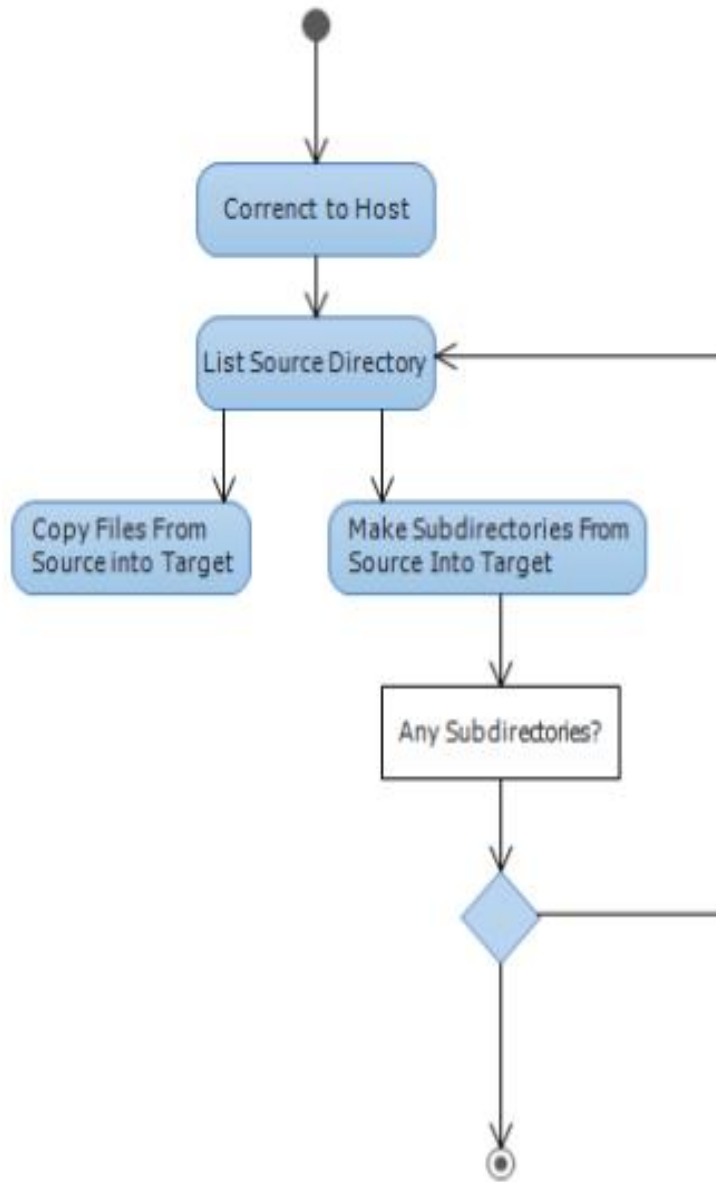
Server connections



Server file activity diagrams

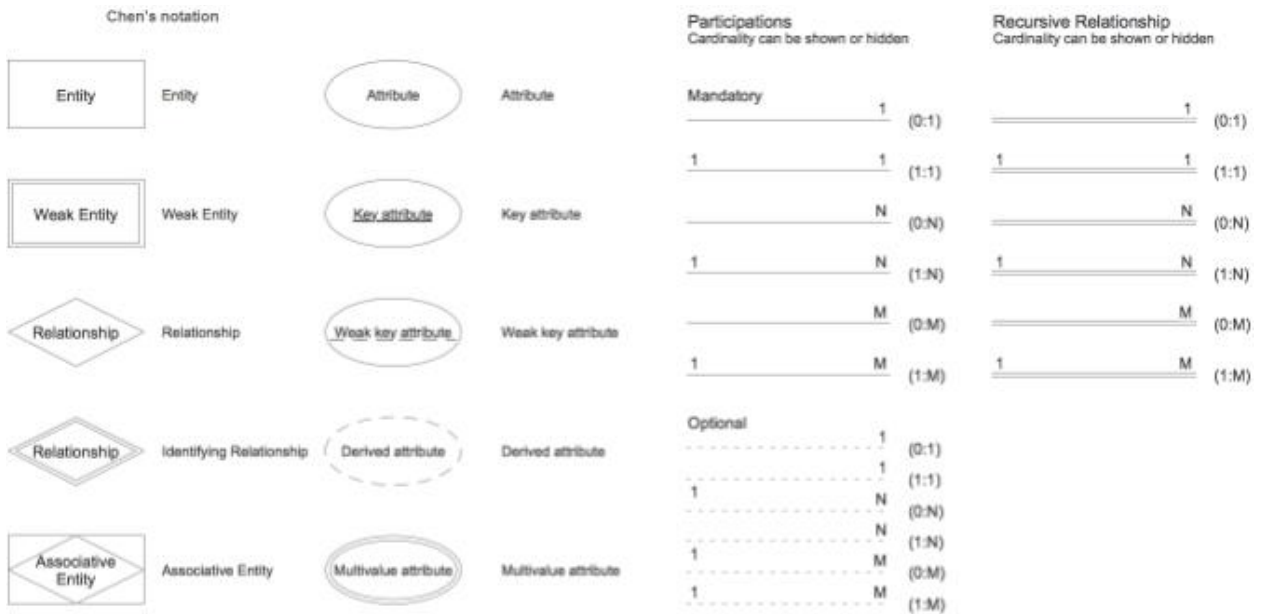


Directory activity diagram

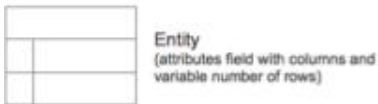
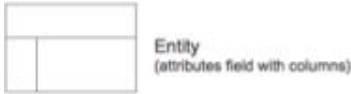


5.5 ER Diagrams

Entity relationship model is high level conceptual model which helps to analyze data requirements and it is helpful for well-designed database.



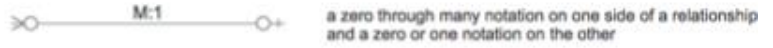
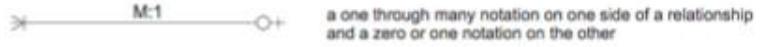
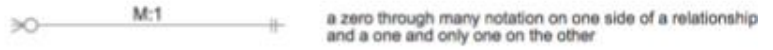
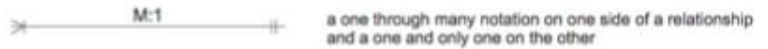
Crow's Foot notation



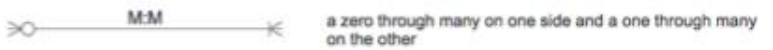
Relationships
(Cardinality and Modality)



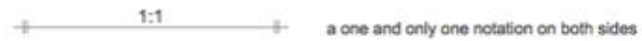
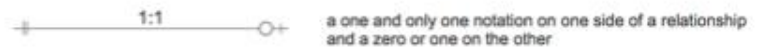
Many - to - One



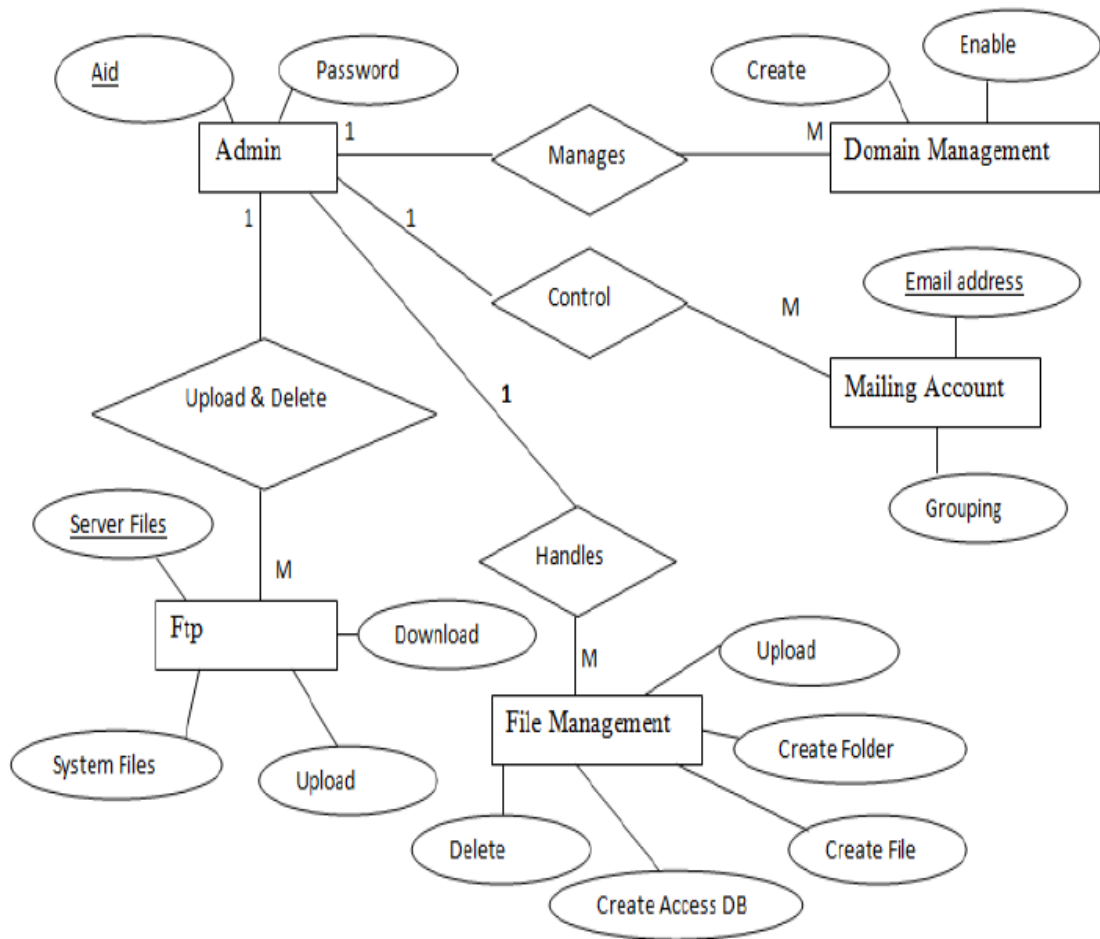
Many-to-Many



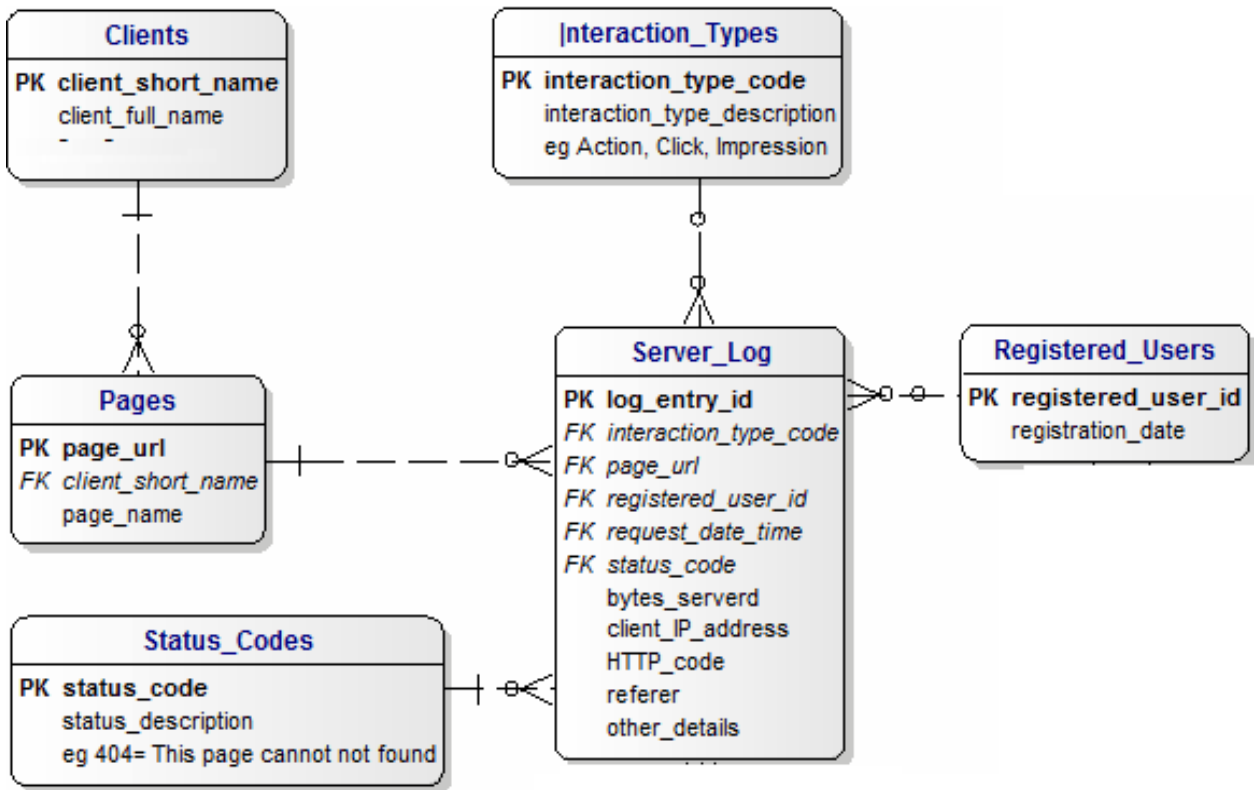
Many-to-Many



5.5.1 ER Diagram for Streaming Intelligence With Pattern Pairing



Domain analysis ER diagram

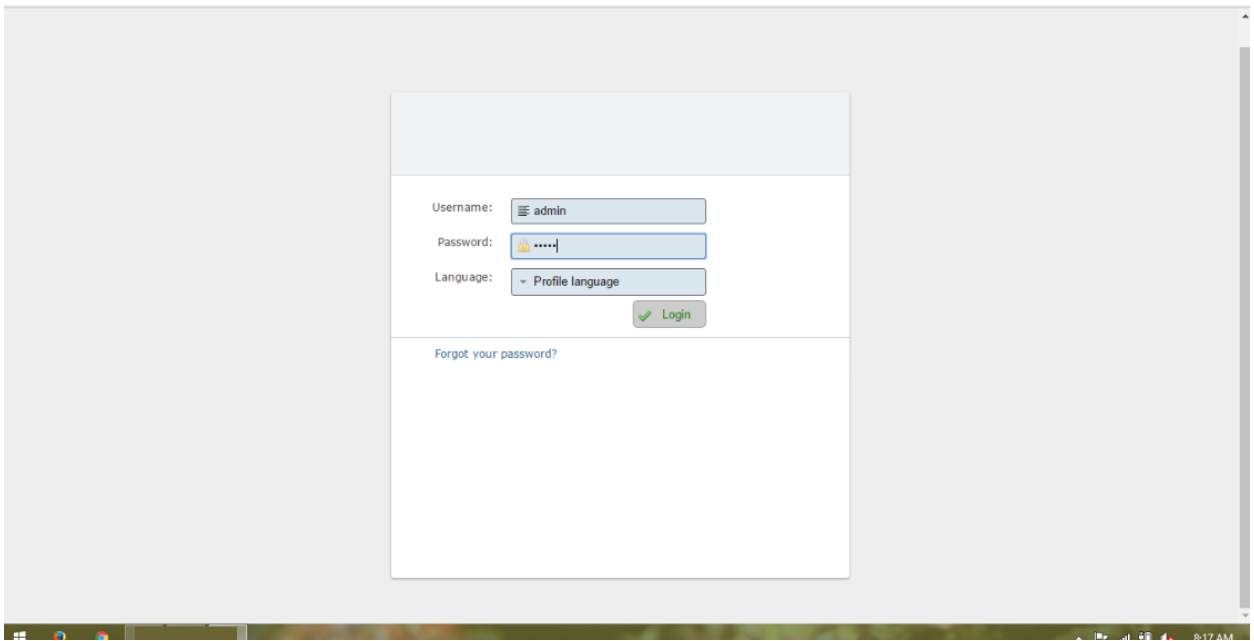


CHAPTER 6

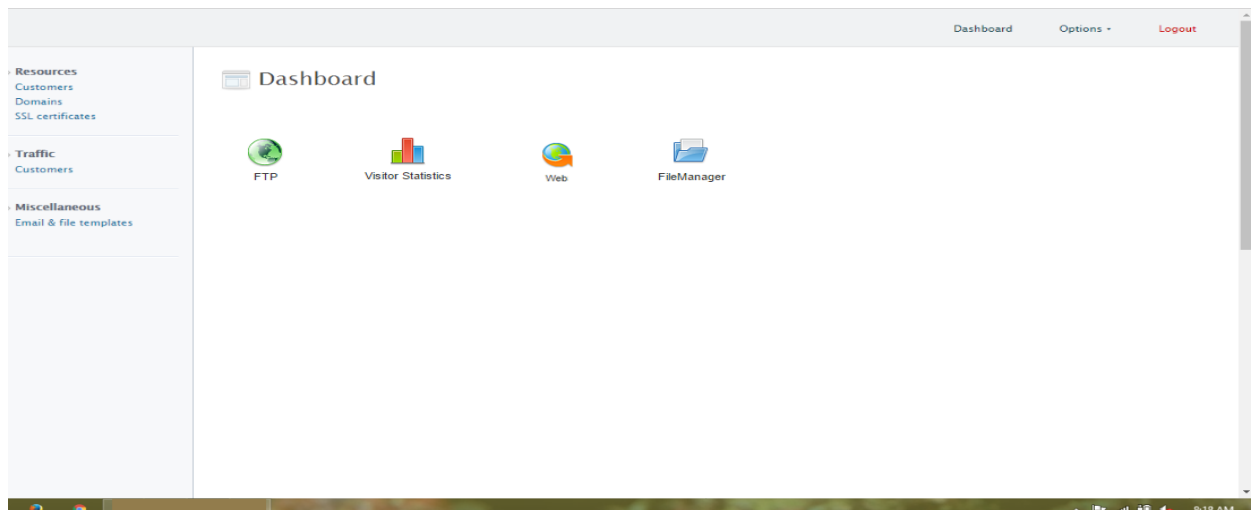
IMPLEMENTATION

6.1 Screen Shots

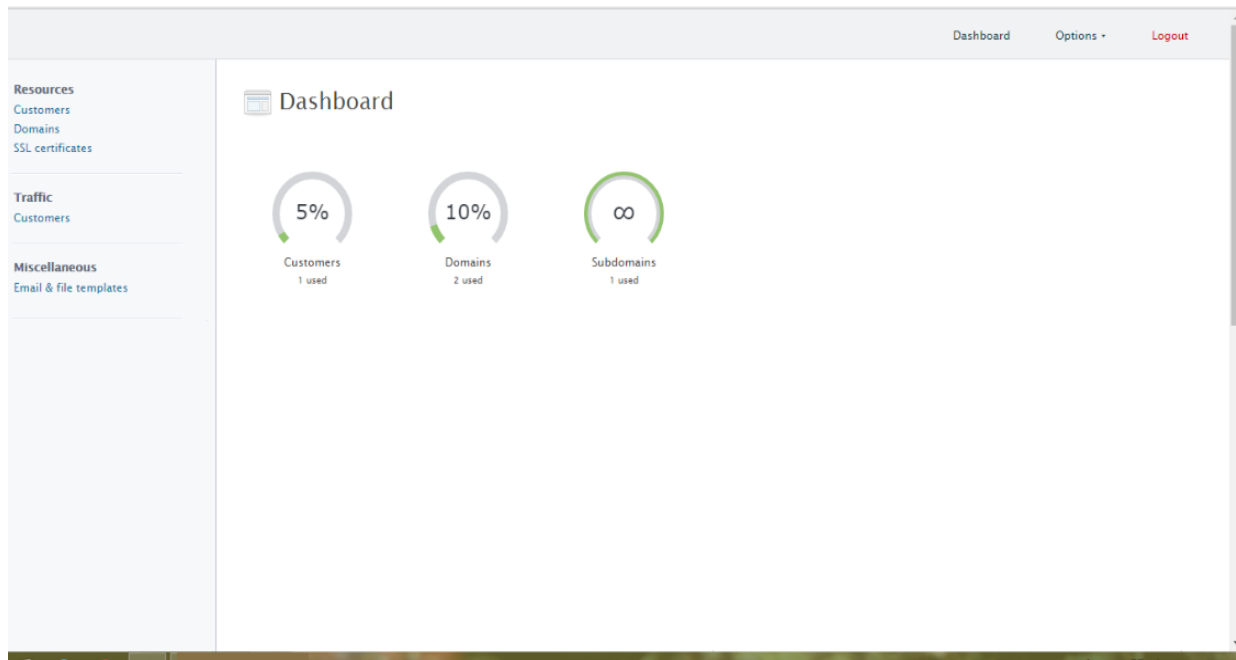
Control login



Flip dashboard for the options selected



Real time dashboard for the working information



Various domains are added

The Domains (2) page features a search bar and two buttons: 'Create domain' and 'Import Domains'. The search bar contains 'Domain name' and has 'Go' and 'Reset' buttons. Below is a table with the following data:

Domain name	IP	Customer	Options
cust[REDACTED]	[REDACTED]0	Customer1, The (customer1)	[Edit icon]
dem[REDACTED]	8[REDACTED] 8[REDACTED]5	Customer1, The (customer1)	[Edit icon] [Refresh icon] [Delete icon]

The sidebar and top navigation are identical to the dashboard view.

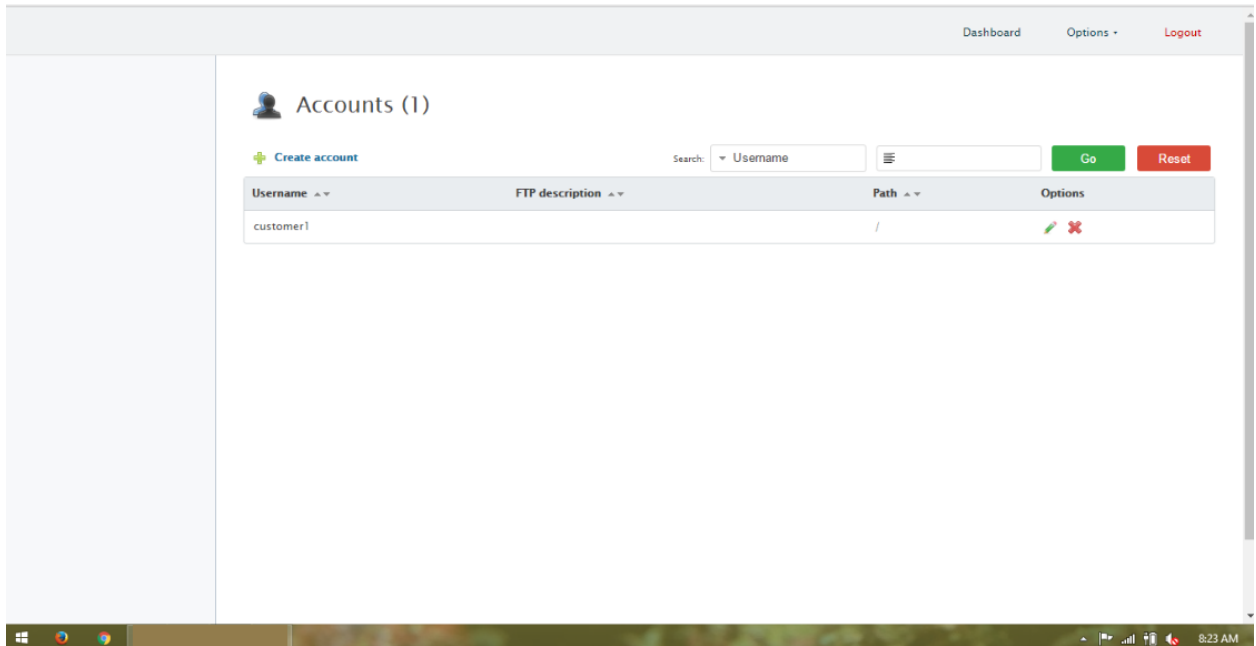
Shows entries associated with domain considerations

The screenshot shows the 'Create domain' form. On the left is a sidebar with navigation links: Customers (Domains, SSL certificates), Traffic (Customers), Miscellaneous (Email & file templates, Write a Message), and Support-tickets (Support tickets, Ticket-archive, Support categories). The main form is titled 'Create domain' and has 'Cancel' and 'Save' buttons at the top right. It is divided into two sections: 'Domain settings' and 'Webserver settings'. The 'Domain settings' section includes: 'Domain *:' with a text input containing 'q[redacted]'; 'Customer *:' with a dropdown menu showing 'Customer1'; 'Alias for domain:' with a dropdown menu showing 'No alias domain'; 'This domain is a subdomain of another domain:' with a dropdown menu showing 'No subdomain'; 'Allow editing of domain:' with a checked 'Yes' checkbox; 'Added' with a date '2019-04-09'; 'Added at registry:' with a date input; and 'Date of termination:' with a date input. The 'Webserver settings' section includes: 'IP address(es) *:' with a text input containing '[2a01:4f8:3141:31:111]:80' and a checked checkbox for '82.145[redacted]'. A note below the IP input says 'Specify one or more IP address for the domain.'

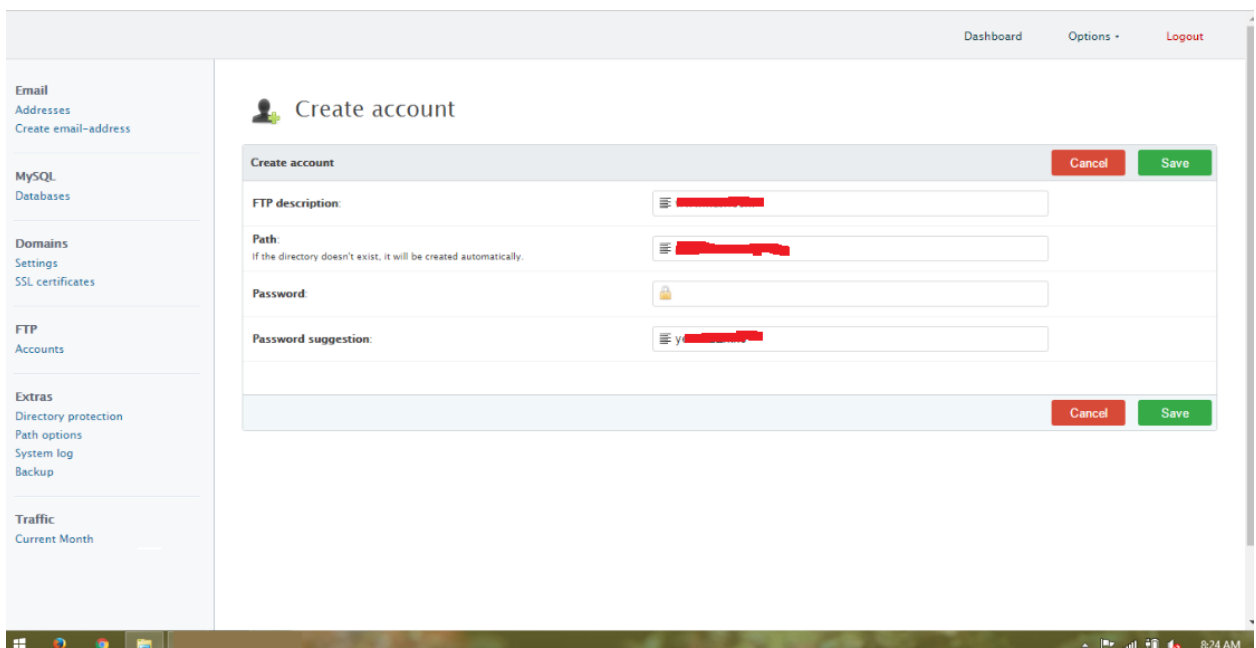
Different import options shown

The screenshot shows the 'Import Domains' form. On the left is a sidebar with navigation links: Resources (Customers, Domains, SSL certificates), Traffic (Customers), Miscellaneous (Email & file templates, Write a Message), and Support-tickets (Support tickets, Ticket-archive, Support categories). The main form is titled 'Import Domains' and has 'Cancel' and 'Save' buttons at the top right. It includes: 'Customer *:' with a dropdown menu showing 'Please choose'; 'Separator *:' with a text input containing '|'; 'Offset *:' with a text input containing '0'; and 'CSV-File *:' with a 'Choose File' button and the text 'No file chosen'. A note at the bottom left says '*: This value is mandatory'.

Different customers can be added for central management



Adding FTP details



Type of transfer required

Dashboard Options Logout

FTP

What type of transfer would you like to perform?

Transfer Files between:

- PC Folder and FTP Server**
Transfer Files between a PC folder or Network Drive and a FTP Server.
- FTP Server and FTP Server**
Transfer Files between two FTP Servers.
- PC Folder and PC Folder**
Transfer Files between two PC folders or Network Drives.

Select the type of connection profile to create.

- Quick Connect Profile**
Fast FTP connection using built in file manager. You can manually transfer, rename and delete files and folders.
- Automated Transfer Profile**
Specify Action Rules to automate the file transfer process.

Help Back Next Cancel

8:19 AM

FTP setup

Dashboard Options Logout

FTP

Specify FTP connection details

FTP Connection details

Protocol:

FTP Address:

User Name:

Password:

Port:

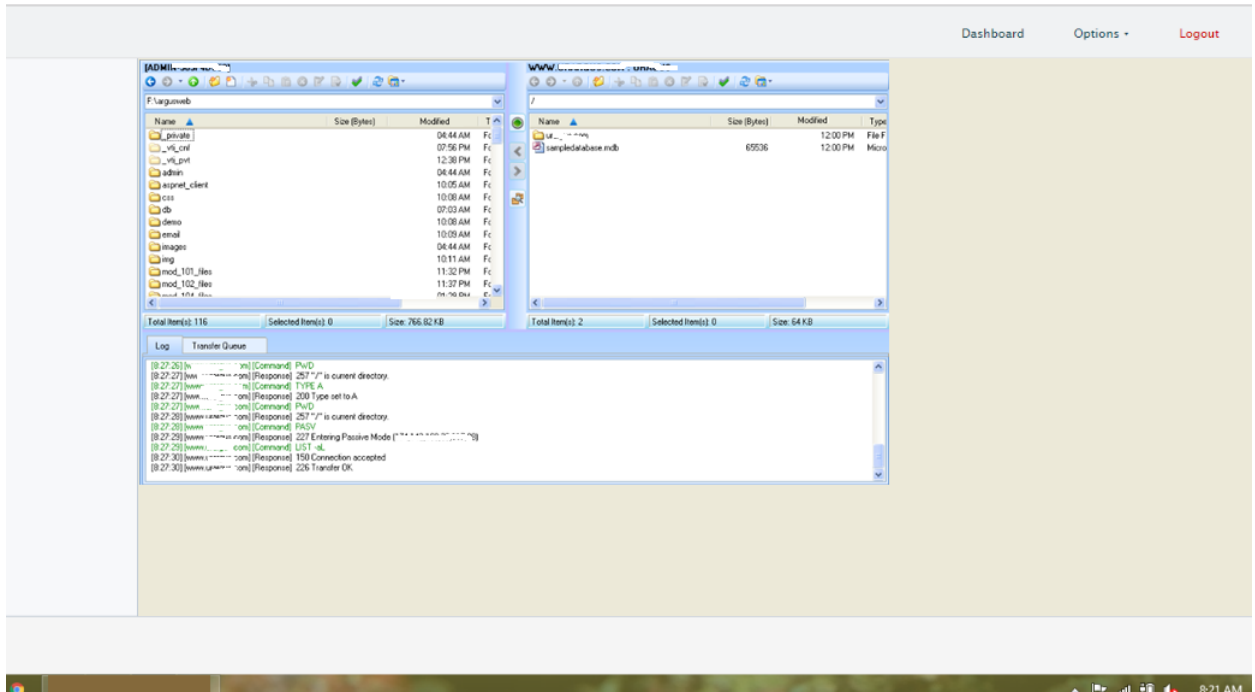
Use Passive Mode

Select a FTP folder (Optional)

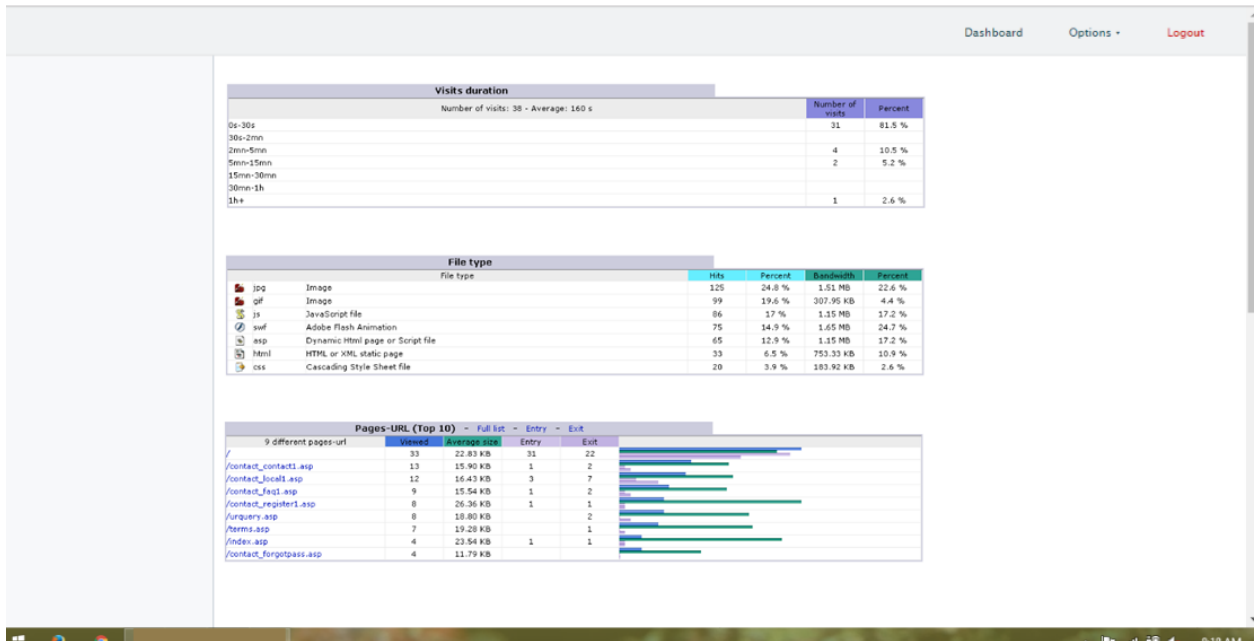
Help Back Next Cancel

8:19 AM

Server working shown



Domain stat display



CHAPTER 7

SOFTWARE TESTING

Software testing will be performed to detect the software values and is required for the correction that is required in terms of the discovered errors. Software testing is important as all types of failure symptoms can be established by the help of various types of techniques which are available and in response to which detailed systematic considerations could be acknowledged. Software testing is very much essential as it would help to minimize the funds that are required if the errors are found later in the stage or in the real time when it is integrated for the usability. Software testing is also important to check the considerations of the requirements and any type of substantial error or changes that are required can be properly managed.

Software testing will help to understand the consideration with non-functional perspective also so that the quality can be maintained properly and each regards are required to be documented also. Software testing will also provide all types of data considerations and accuracy that has to be followed by the system. For more advanced software testing technique to be implemented of coordinated working is required where multiple teams are required to associate the work in such a way that information can be properly transferred.

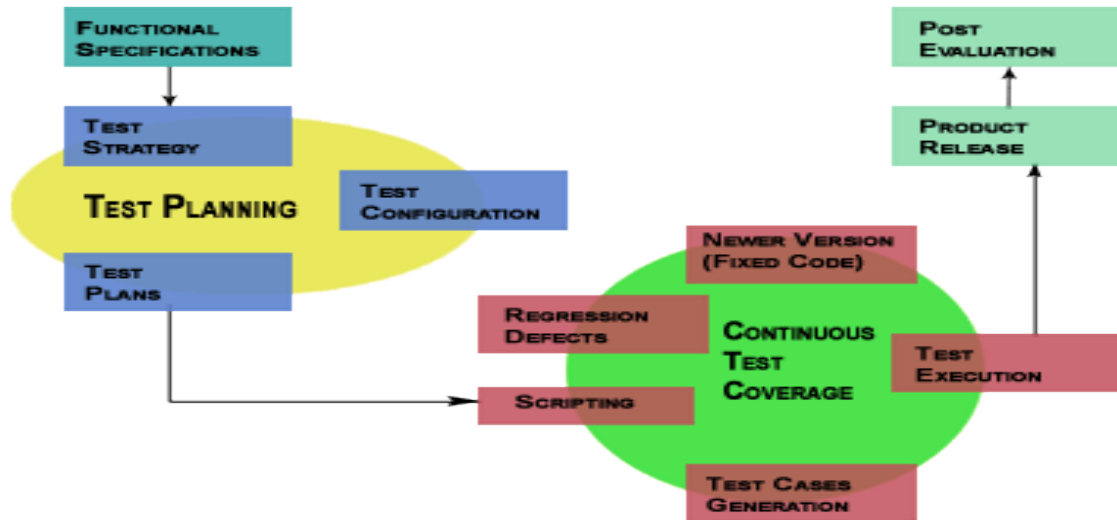


Figure-

Association of test planning is shown

Unit testing

The unit testing is based on the units incorporated and it will be done with the help of Peer code review which will help the companies to understand each unit.

The unit perceptions that are acknowledged for different types of control is required to be undertaken individually as the concepts will be provided in different orientation so for example if related information tracking is required it has to be checked on the individual perception for the accuracy in the same way if it is associated with the reference of server working it has to be acknowledged in that particular format.

All types of variations that are required in terms of the service and machines integrated for the compatibility will be undertaken.

The different considerations of the domain incorporated working will be also established as it is required that we do mean can be controlled in a central format.

Automation testing

Automation Testing is performed for understanding multiple concepts with more understanding as automated software's will be utilized to get the references checked in different scenarios we will be using Selenium software to undergo different types of checks.

Automation Testing will be performed for more reference so the software will provide a detailed report these reports can be considered in such a way consideration can be properly acknowledged.

Aspects of understanding will be provided with the documented format so that future references can also be achieved.

Test cases

Serial Nos.	Test-case Descriptions	Test-Inputs	Result to be provided	Actual obtained results	Test Status	Severity
1.	Admin control access	Provide control	Setting in different variations	Various options seen	Pass	Critical
2.	Domain additions	Settings and inputs	Different inputs added	Different domains added	Pass	Critical

3.	Servers to be integrated	Selective	Different control settings added	Direction based integration	Pass	Critical
4.	Files and data	Selective added	Different types of files and data management seen	Added	Pass	Critical
5.	Conditions	Options based	Add conditions	Saved and working	Pass	Critical
6.	Add security	Selection	Selection based	Various security added	Pass	Critical
7.	Working logs	Auto	Reports	Reports added	Pass	Moderate

8.	Stat-generation	Auto filter	Graphs generated	Graphs designed and displayed	Pass	Critical
9.	Added clients	Inputs	Added	Clients added and individual working	Pass	Critical

CHAPTER 8

CONCLUSION

We can conclude that referential hierarchy can be maintained to incorporate different types of network topology to undertake the control mechanism required. The system is utilized in different variations that are provided when we have used the system each consideration check thoroughly and the found that all integrated options work perfectly. First different types of domain settings and integrations are seen and we found that multiple domains and sub domains are collaged at the same time with detailed references. As all types of setups are provided in the format of different pages it was much easier to understand the workability.

We also company different types of service that are incorporated based on different types of network topology and it have been assume that the considerations where established with all types of compatibility that is required. The working based on supervision is seen and it is found that it all references provide detailed security. The security considerations are taken into different aspects and each aspect is associated with customized options which make it flexible for us to incorporate the type of security we require.

The assumptions that are required for multiple server side working is also seen with detail interface provided so that again server related different types of process can be oriented. We also acknowledge that each server that is added can be maintained with different types of automated from the settings also. We have also acknowledge that all types of information replica is provided in real time with graphics support which is important to understand different types of scenarios in terms of decision making and research. So at last we could conclude that system incorporates all kinds of substantial usage which is required for administrative control processes.

CHAPTER 9

FUTURE ENHANCEMENTS

Future enhancement is required for the substitution features that are required in future as we know that more options and features will be required as the way of working and environment consideration changes. Few important future considerations are given below:-

In future if any kind of specific information is needed it can be added with the help of the trigger system.

For understanding the server working even the guidelines can be provided in the form of videos.

Collaboration and communication options can be and it so that if any type of associations are required it can be accompanied.

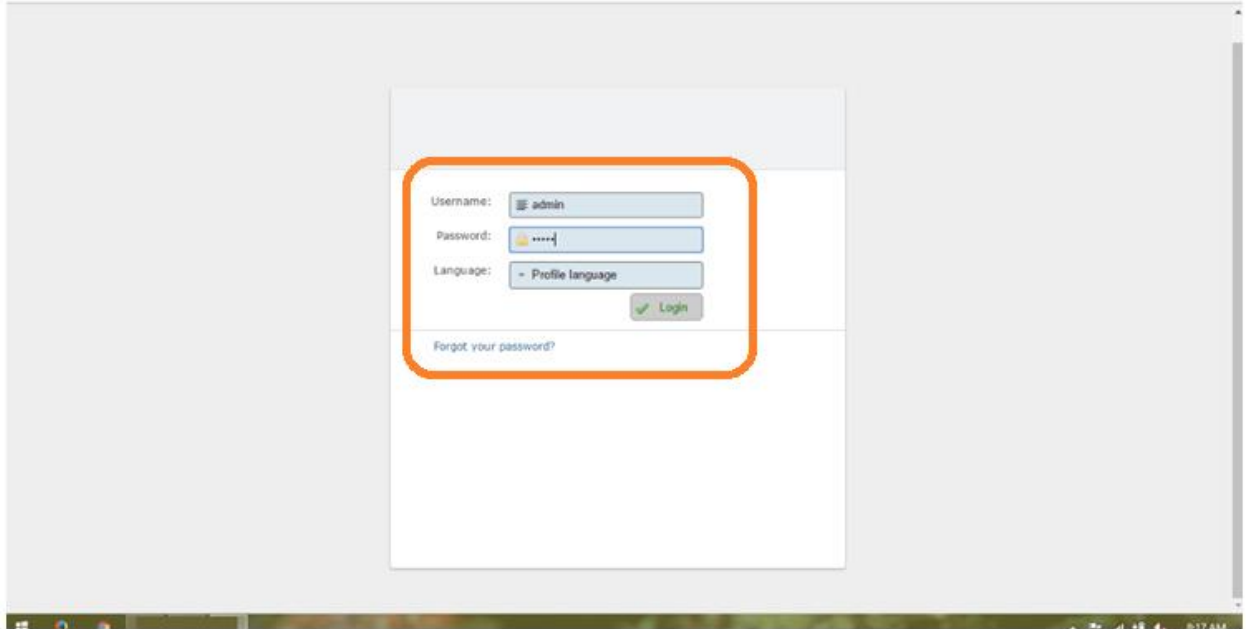
CHAPTER 10

BIBLIOGRAPHY

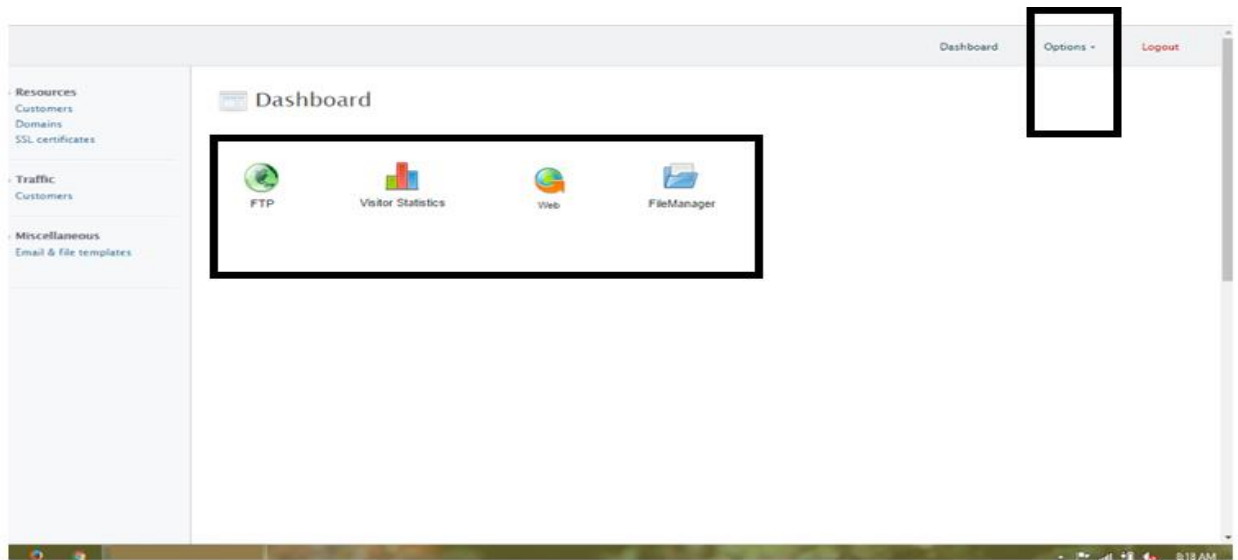
- "The Arrival of Java 14!". Oracle. March 17, 2020. Retrieved March 17, 2020.
- "Binstock, Andrew (May 20, 2015). "Java's 20 Years of Innovation". March 18, 2016.
- Web referrals-
 - www.wikipedia.com
 - www.scribd.com
 - www.microsoft.com
 - www.google.com

CHAPTER 11

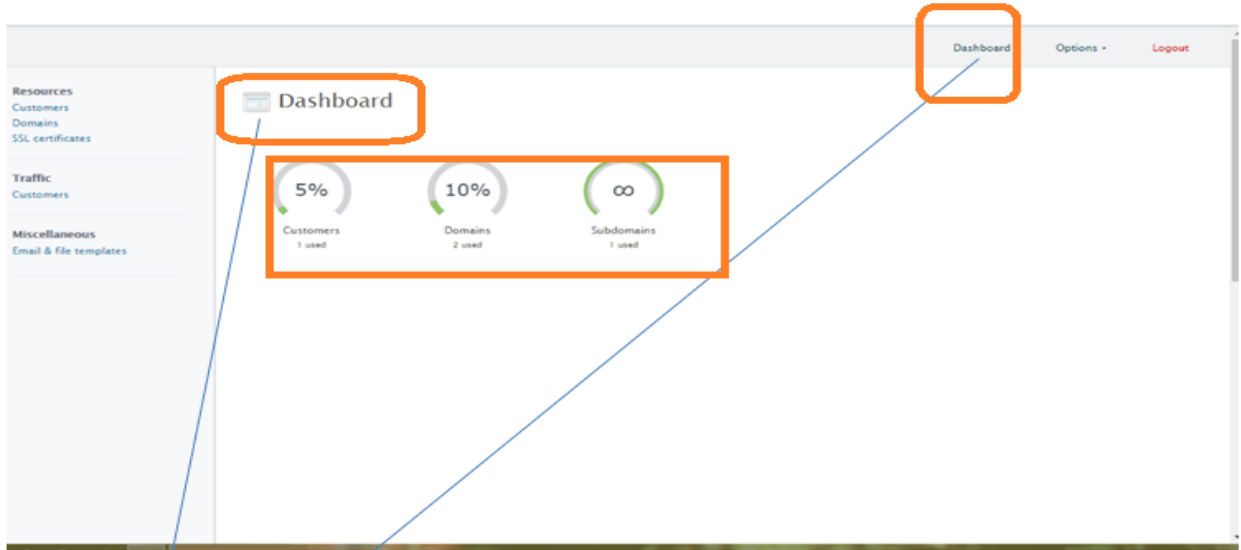
USER MANUAL



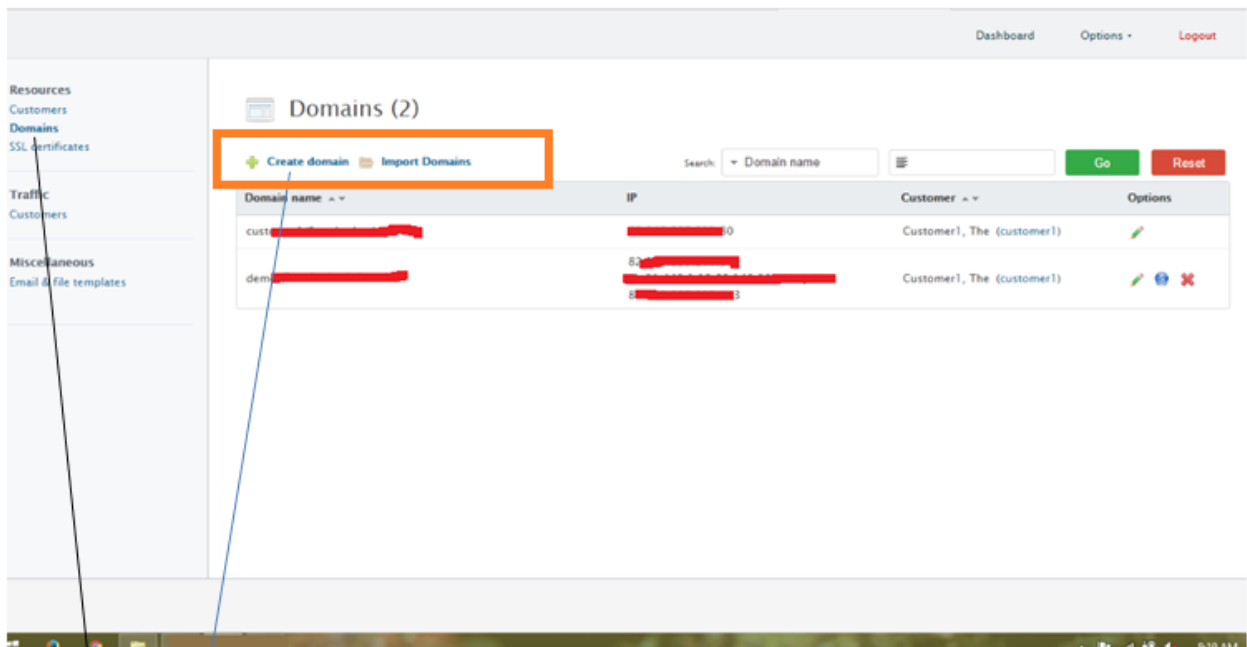
Control login



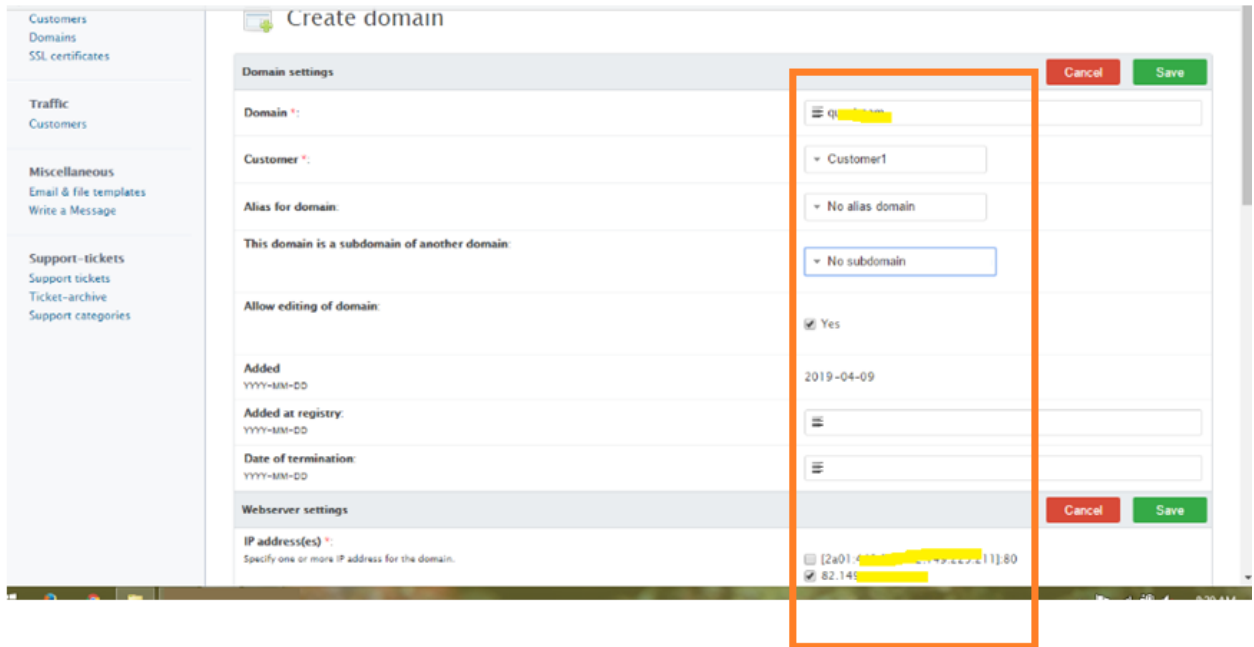
Flip dashboard for the options selected



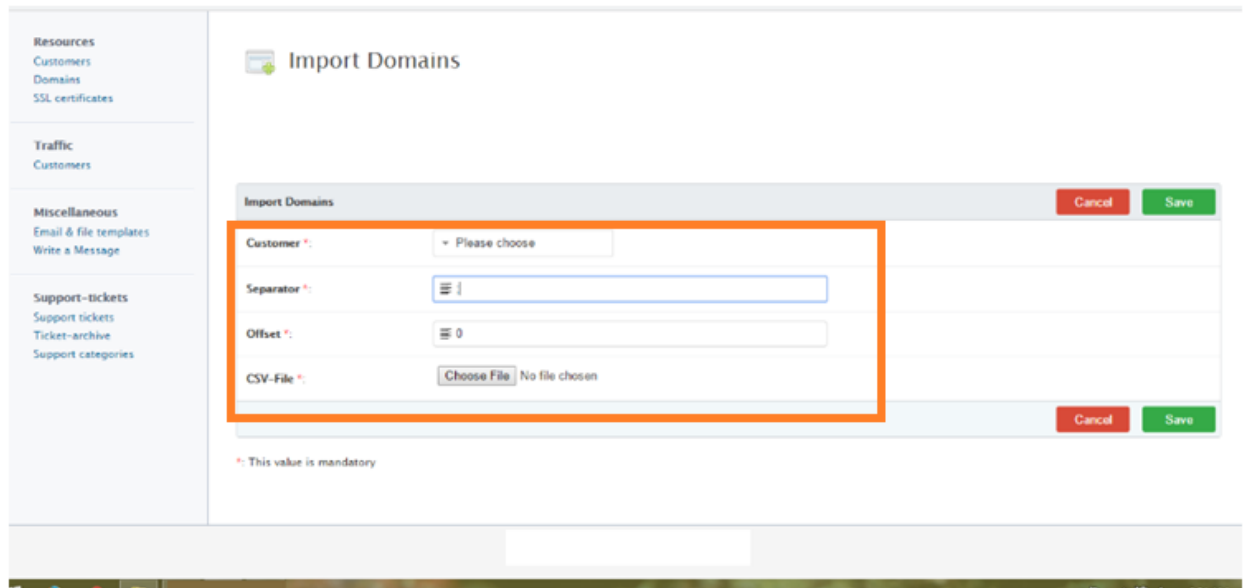
Real time dashboard for the working information



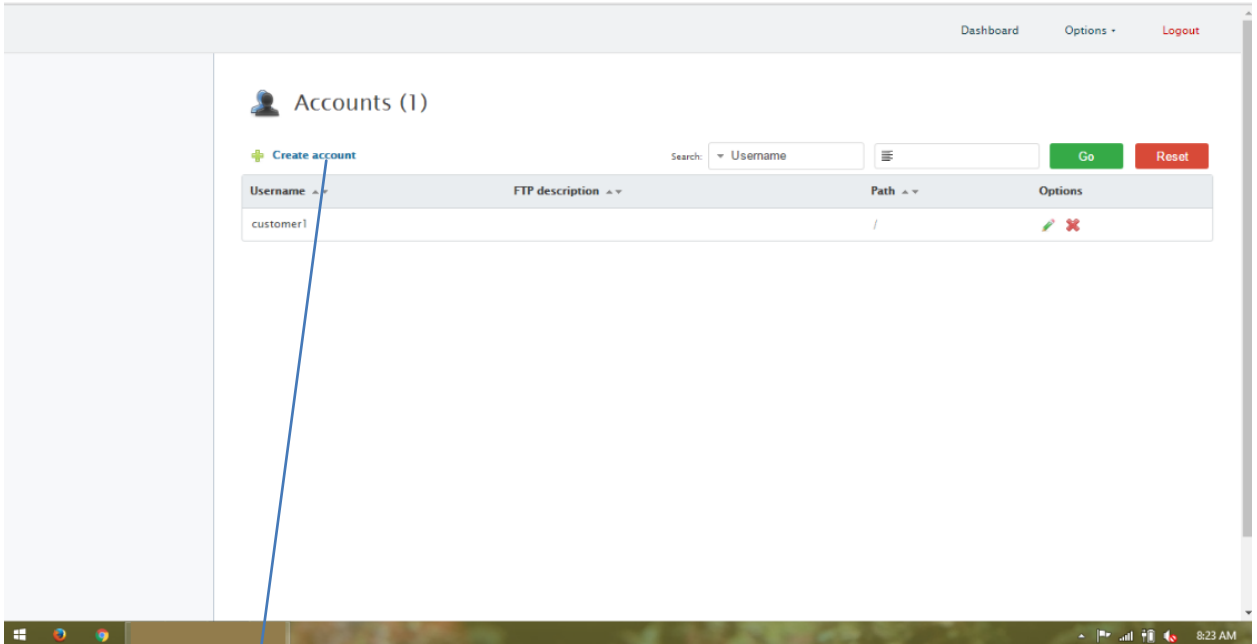
Various domains are added



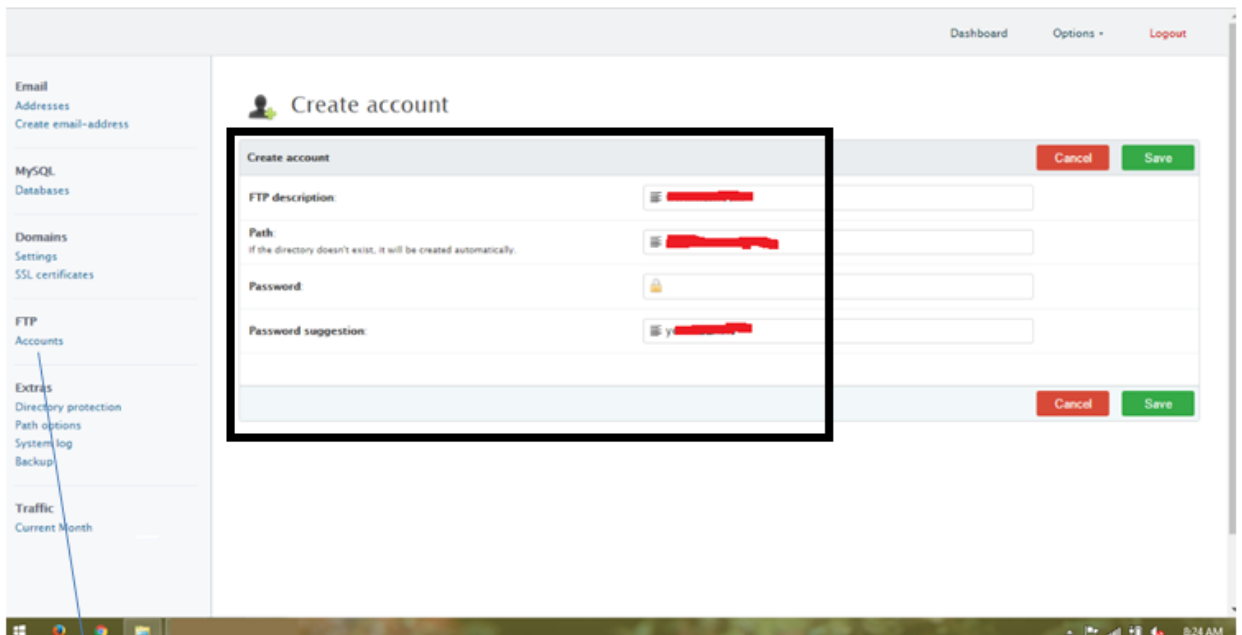
Shows entries associated with domain considerations



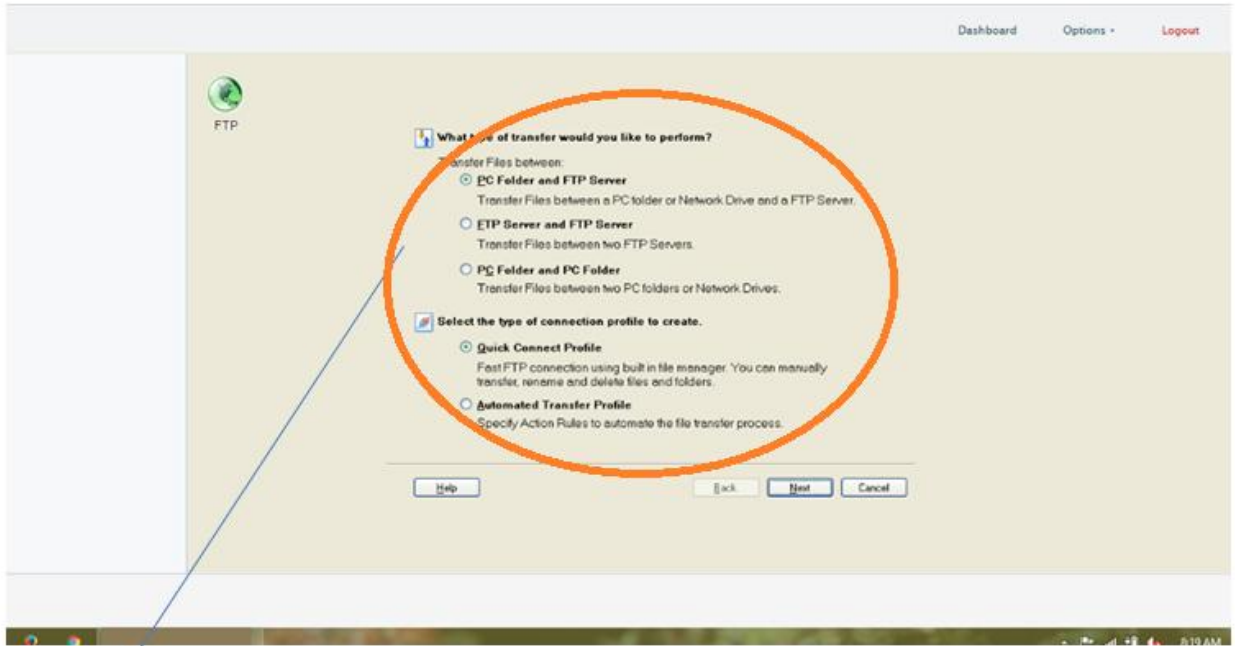
Different import options shown



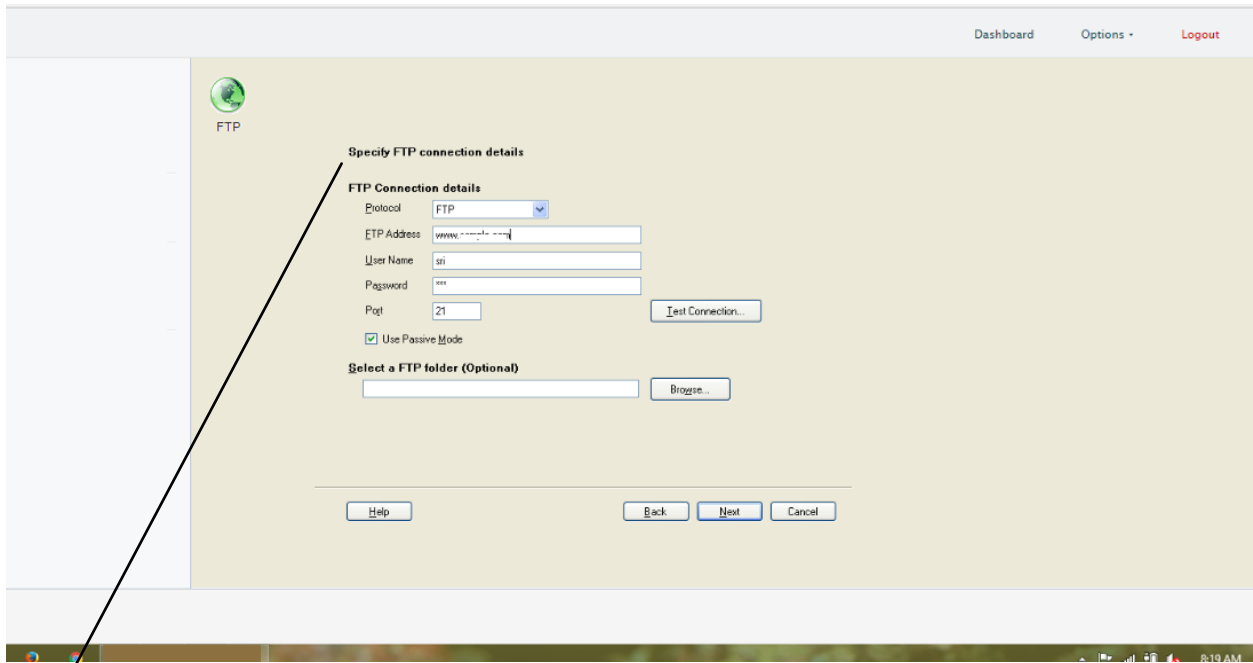
Different customers can be added for central management



Adding FTP details



Type of transfer required



FTP setup

