

A project report on

PROACTIVE STIMULATION WITH ATOMICITY RULES

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

MASTER OF COMPUTER APPLICATIONS

Of



Visvesvaraya Technological University
Belgaum, Karnataka
By

PAVAN KALYAN S

1CY18MCA61



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

A project report on

PROACTIVE STIMULATION WITH ATOMICITY RULES

Submitted in partial fulfilment of the requirement for the
award of the degree

MASTER OF COMPUTER APPLICATIONS

of

Visvesvaraya Technological University Belgaum,
Karnataka

By

Pavan Kalyan S
1CY18MCA61

Under the guidance of

Internal Guide

Ms. Varsha pawar

Assistant Professor,

MCA Department,

CMR Institute of Technology,

Bangalore.

External Guide

Mr. Ajay Kumar

Project Lead

Global Inquest Pvt. Ltd

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

**PROACTIVE STIMULATION WITH
ATOMICITY RULES**

*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
bonafide work carried out by*

**Pavan Kalyan S
1CY18MCA61**

during the academic year 2019-2020.

Signature of the Guide
Ms. Varsha pawar
Assistant Professor, MCA

Signature of the HOD
Ms.Gomathi.T
HOD, MCA

Signature of the Principal
Dr. Sanjay Jain
PRINCIPAL, CMRIT

External Viva

Name of the Examiners

Signature with date

1.

2.

DECLARATION

I, **Pavan Kalyan S**, student of 6th sem MCA, **CMR Institute of Technology**, bearing the **USN 1CY18MCA61**, hereby declare that the project entitled “**Proactive stimulation with atomicity rules**” has been carried out by me under the supervision of External Guide **Mr. Ajay Kumar**, Project Lead, 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

Pavan Kalyan S

Date:

(1CY18MCA61)

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. Ajay Kumar Project Lead, Global Inquest Pvt. Ltd., 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. Ajay Kumar Project Lead, Global Inquest Pvt. Ltd., 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.

Pavan Kalyan S
(1CY18MCA61)



Global Inquest Corporation

Real time asset tracking

CERTIFICATE

This is to certify that the project titled "Proactive stimulator with atomicity rules" is submitted to global inquest corporation 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. PAVAN KALYAN S (1CY18MCA61) under the supervision and guidance of Mr. Ajay, Project Lead global inquest corporation, 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.

Best Regards,

Richa

GLOBAL INQUEST

68/2, Agrahara Road

Miss. Richa Bellandur, Bangalore-560 103
Human Resource

68/2 Agrahara Road
Bellandur
Bangalore-560103
www.globalinquestcorp.com
Contact-+919686682186
Mail-info@globalinquestcorp.com

S.NO.	Contents	Page No.
1.	Introduction	
	1.1 Project Description	1
	1.2 Company Profile	3
2.	Literature Survey	
	2.1 Existing System and Proposed System	5
	2.2 Feasibility Study	7
	2.3 Tools and Technologies Used	8
	2.4 Hardware and Software Requirements	12
3.	Software Requirement Specification	
	3.1 SRS	13
	3.2 Functional Requirements	14
	3.3 Non- Functional Requirements	17
4.	System Design	
	4.1 System Perspective	19
	4.2 Context Diagram	19
	4.3 Data flow diagram	20
	4.4 Level 0-dfd diagram	20
	4.5 Process design	21
5.	Detailed Design	
	5.1 Use Case Diagrams	22
	5.2 Sequence diagram	23
	5.3 Class diagram	25
	5.4 Entity relationship model	26
	5.5 ER diagram	27
	5.3 Activity Diagrams	28

6.	Implementation	
	6.1 Screen Shots	29
7.	Software Testing	36
8.	Conclusion	39
9.	Future Enhancements	40
10.	Bibliography	41
11.	User Manual	42

CHAPTER 1

INTRODUCTION

1.1. Project Description:

Critical perspective that have needed to be undertaken for in numerous client base which is associated Global perception is required to be optimized so the system has been designed for multiple proactive activity with the help of a convertible panel design. Multi references that have included within the system will be utilized for filtering the references by each client those who will be provided with the accessibility so that the assistance can be organized according to the requirements and visibility of that particular client. The system provides authority with pin point references which will be helpful for the real-time collaborative associations and regulation design.

Multiple aspects that are associated with the system can be derived with different types of affiliation features that are provided for the conceptual outline. As the outline references are included the system can be utilized as a central control for multiple intelligent collaboration and business intelligence activity. Multi references of the utilities which are the basic requirements for performing different types of activities are also inclusive and can be assemble by the account holder themselves. The account holders will operate different behavioral aspects the system is designed to provide intelligent references for the working consideration they require.

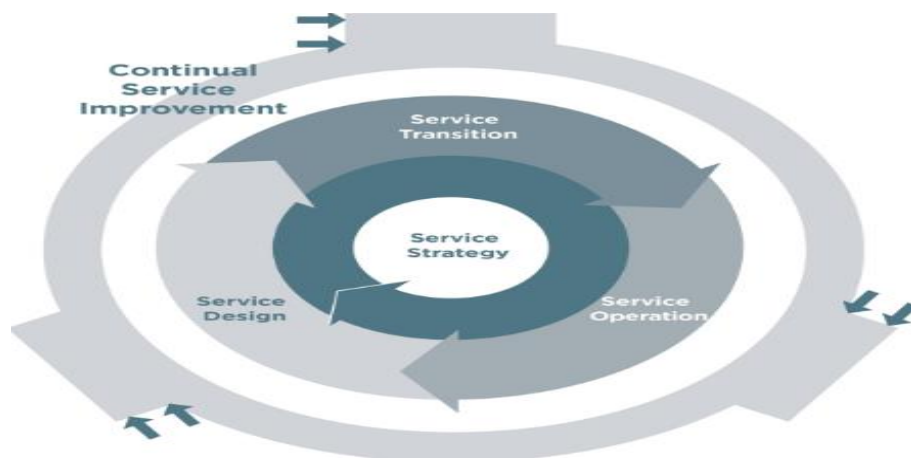
The associated response system for the regulations in assignment is included within the system so that perplexing can be reduced and this is helpful for the cogent control. As the indexing of different types of activities are included various types of permission associations of individual space working is also provided within the system in this way the work can be recognized with individual factors. Multiple factors of incidences that arise can also be acknowledged with the convertible that things which are associated with automation based on the reviews the associations in the related communication.

Acknowledgement of the automated content tags is also provided with reciprocal references when multiple elements are used for the generation and for the substantial relational set. As the setups are included multiple categorical conditions can be also included which will help manage the preferences according to the work criteria that are accomplice with those specific managements . Multiple indicator hierarchies can be associated with the system so that various types of teams can be generalized for different types of activities as when the Global consideration of the clients are undertaken the company has to deal with multiple types of operation.

Detailed profile set have sent it held categorical setups with detailed permissions will be located where the uses will be having the accessibility for a particular working page which day will be

associated with for the working. The client's notifications and auto Communications will be organized with the abetment of dissimilar variety of setup criteria alike have provided within allied organizational version setup to the administrator.

Various steps of response system is also included which will be automatically loaded by the system. For having a differential optical reference the system is also provided with multiple distributions and with different types of optic generation reports. As the reports are generated different types of prominent performance references can be checked with detailed proximity and each reference would be obtained by using the filter option.



Figure

Figure shows a structural reference of the service contributed.

The system is also associated with different types of compatible control where any type of modification required in terms of customization will be supported and even a distributed tracking is provided in terms of logging activities which provide a detailed control over the working associations. Business intelligence that is associated with the system will help the users to associate multiple types of activities making it easier for the Global client referential activity processing.

When the system is utilized for the automation preferences this helps the companies to attain more flexibility the reason why the system is included with different types of broadcasting, collaborative, problem solving etc. based triggers which will be helpful to setup different types of conditions. The conditional setups wool provides the simulations of the working with intelligence in the real time. Multiple types of references for fact finding in real time is also associated with the system this will help to evaluate the working process that are undertaken in

more appropriate way. All types of conditional references in exploratory activities can be done at the same time this helps to manage and supervise the working properly.

1.2. Company Profile:

Global Inquest Corporation



Profile

The framework incorporates improved arrangement and system usage that must be situated for all around characterized organizing and customer needs discernment. Efficient directing of the work with the arranged philosophy and Standards will have ideal working contemplations for the clients. For high advantages and affiliations different ability and Technology related work flawlessness is given to the customers. Worldwide discernment with various work direction is given by the association so an appropriate advantage diverting can be given as far as the administrations and redid working. The organization is into numerous views of market direction and new item advancement vital plan where different kinds of association will be focused on.



The key definition will be all around characterized with the assistance of the examination situated groups that will be related with multistage working and bolster that is required by the customers. Different Technology consolidated stage configuration has been given to fuse worldwide working consummations for increasingly characterized understanding and working with cost adequacy. We help our customers to make custom programming applications and help them all through the entire programming development Life Cycle,

including wander affiliation, structures assessment and graph, change, execution, getting ready and application upkeep.

A part of the major regions of working-

Programming change.

Introduced structure.

Plan and system.

Implementation and Integration of RFID.

Process re-planning.

Practical evaluation.

CHAPTER 2

LITERATURE SURVEY

2.1 Existing system and Proposed system:

Existing system

Existing system we have seen that controlling all types of technological working based on different references of clients on a global reference is difficult and the intelligent collaboration requirements are not fulfilled. Multiple types of drawbacks are being referenced when we have interview different types of clients and we have taken the arbitration that even the required convertibility that is needed is not associated for the large-scale working.

Important considerations are outlined which is listed as follows-

- ✚ In the existing scenario we have acknowledge that self-controlled convertible panel which is needed for referencing different types of proactive activities for multiple types of group clients and processes is not supported which indeed requires more provisional usage of the utility by the clients.
- ✚ In the existing reference we have also knowledge that the collaboration intelligence that are required to have different types of assistant activities and operational activities based on the client is not supported so each type of collaboration handled manually.
- ✚ In the administrative system we have also seen that the type of Intelligence to overcome different types of contrived working is not associated which is a major part what the companies are facing lots of problem with as each reference has to be organized in Manual considerations.
- ✚ In the existing scenario we have also acknowledged that proactive activities in different references cannot be mediated from a single system so each and every distributed working that is required for trailing different references of working requirements has to be managed with different types of resources.
- ✚ In the existing system the related assignment response and associations that are required to be handled based on workforce is also quite distractive because centralization is not supported.
- ✚ In the existing system even the centralization in terms of different types of visual optic generation is not supported.
- ✚ Various types of relational solutions that are required to be undertaken requires multiple collaterals so multiple type of configurations and investments are required.
- ✚ Reference even the filtered information and tracking with different types of data shielding references is also difficult to be carried out because multiple types of assignments in user Association has to be handled.

The proposed system

To sustain multiple collective measures required for the comprehensive intelligent communication and for different types of market preferences the proposed system is designed. As we have seen multiple optical that is faced by the organizations for the overruling workability show various types of references are being included by proper study of the existing system problems and more references are provided. The proposed references are being utilized for the apprehension references analysis so we can say that propose system functionalities are purely refined and then add so that all the requirements can be fulfilled when the use will be utilizing it.

Some of the important preferences that are being provided in the proposed system are listed as following-

- ✚ The propose system is provided in a convertible format with self-controlled panel and can be achieved with multiple types of reference for setting up different types of proactive activities which is helpful for the references of multi-client orientation.
- ✚ In the proposed system the collaboration intelligence is undertaken for different types of assistant activity, all types of collaborative activities that are related with multiple clients can now be redirected from a single system.
- ✚ Controlled working with centralized administrative intelligence perception is provided so the proposed system is designed with multiple intelligence factors so that multiple manual considerations can now be automated.
- ✚ All types of resources can be trailer from a single system making it more appropriate for the organization as with the help of distributed references the type of resource required can be selected whenever needed and can be utilized.
- ✚ The workforce in the propose system can be handled easily because assignment response and allocation system is undertaken with the help of the system intelligence.
- ✚ Visual optic centralization is also supported in the proposed system which is very much helpful for the complex identification of the matrix references related to the working
- ✚ Various types of proactive activities can be channeled in parallel reference with multi operational and behavioral references provided in the proposed system.
- ✚ Filtered information and different data Shield options are provided which can be utilized for more secured working by the organization using the system. Multiple types of filters and multiple types of shielding options are included for the selection based usage.

2.2 Feasibility study

For acknowledging the type of information that is needed to properly status system in the real time environment we will be doing a feasibility study. The feasibility study will deal with all types of distributed requirements that should be provided to the team members so that a particular system generated which includes the requirements based on technology based on different types of operation and based on different types of financial perception.

Feasibility considerations will help us to engage the working requirements in real-time properly we will be having a documentation which contributes the refined understanding about the technical requirements, operational reference and effect types of financial references. All types of considerable feasibility references will help us to generalize the working in more appropriate way and this will be having a more positional impact on to the company working.

Operational feasibility.

Technical feasibility.

Financial feasibility.

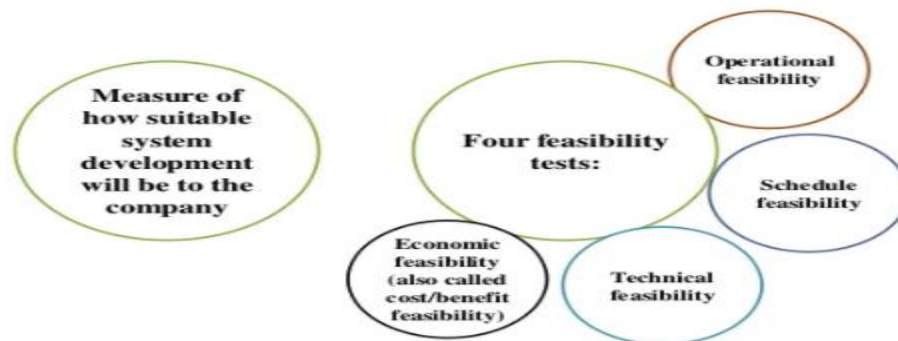


Fig-

Major feasibility reference required to be undertaken is shown above.

Operational feasibility

The usability which is needed to be apprehended for the working consolidation will be properly outline because the first reference is that user should have proper identification of the working phases that are included and how to utilize the customization variation.

Documents are the best way to make the use of understand for referential usage so multi considerations of documentations will be generated.

Multiple types of review will be detailed with the help of digital documents, as this digital document it will be appropriate to provide training that is needed to the users.

Technical feasibility

Resources that are needed and different types of solution base for the factors that are required to be included within the system will be discussed as for example the related intelligent formations which has to be established.

More references of associations of the collaborated working which is required to be acknowledged with Central control will be established within the company and government as we require that each team member should be liable for the working.

The requirements of the automation will be also understood and the exploration of the conditions that are required will be generalized so that we can understand then in which scenario the related conditions has to be set up.

Economic feasibility

Economic conditions may change so we have to reference each and every preferential economic consideration properly with all types of realization which is based on proper analysis of financial status.

Positioning the under taken as a consideration for the understanding of the financial requirements for different types of investment requirements.

Financial considerations are also associated with the profits which are required to be calculated.

2.3 Tools and Technology

Python



Python is an elevated level intelligent scripting language which is protesting focused can be deciphered in an appropriate arrangement as not very many linguistic directions must be thought of. The first is being an open source programming dialect, an enormous no. of clients take after and add to its improvement. Furthermore, the sensitive quality, adaptability, flexibility, and flexibility of refactoring code in Python revive the improvement system from the central model.

Each and every extraordinary sort of database likeness is given.

It is adaptable in nature so tremendous observations can be fittingly handle.

Python has different traits that choose it a trademark decision for prototyping. We don't need to gather before executing it and at the period of runtime it is readied.

Various libraries with cross stage closeness is connected.

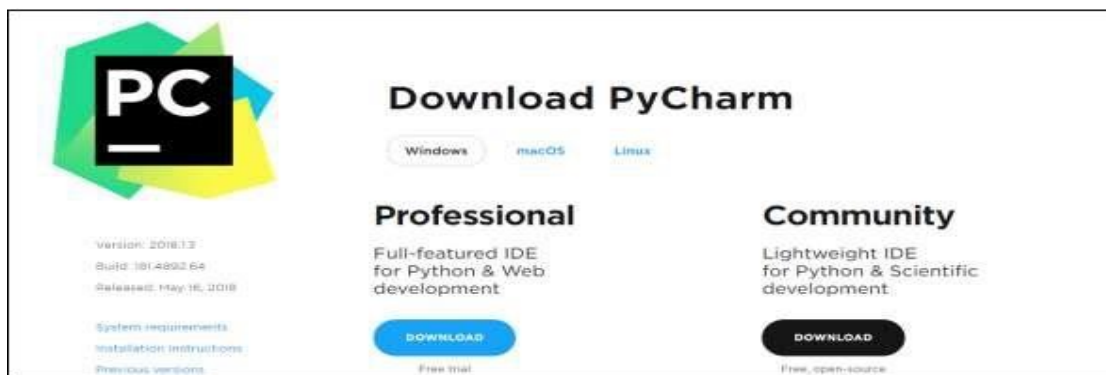
MySQL

As we understand that consequent to making the set aside framework it is requested and taken care of in the database. In any case, MySQL executes set aside methodologies hardly exceptional which helps in growing the show of the applications.

MySQL Stored procedures are advantageous considering the way that when we create our set aside technique in SQL, we understand that it will continue running on each phase that MySQL continues running on, without obliging us to present an extra runtime-condition pack or set approvals for program execution in the working system.

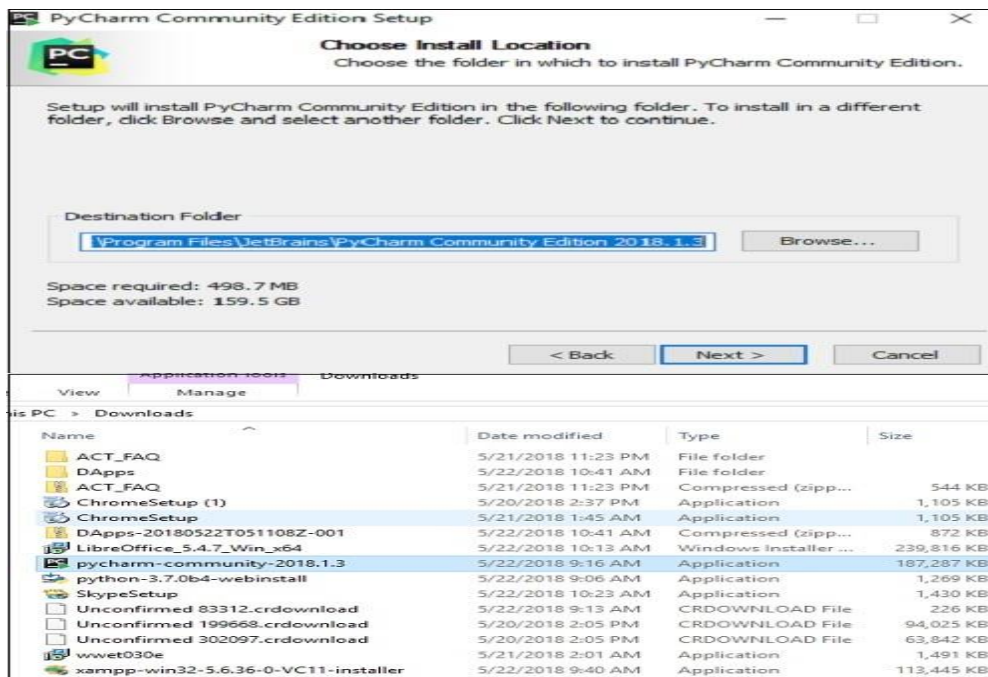
Step 1

Download Pycharm IDE from the official web site.



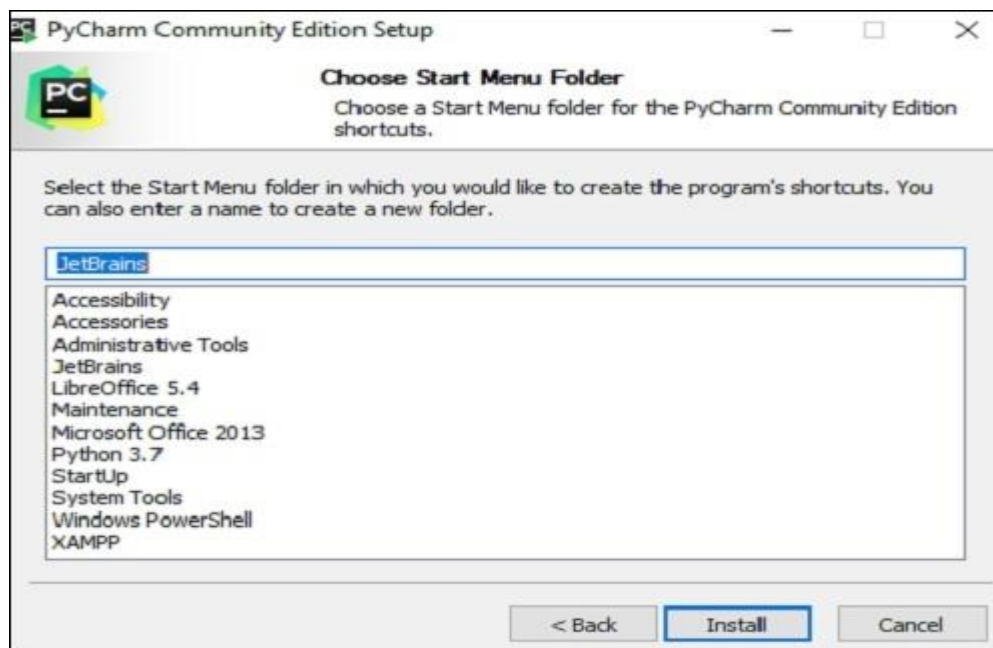
Step 2

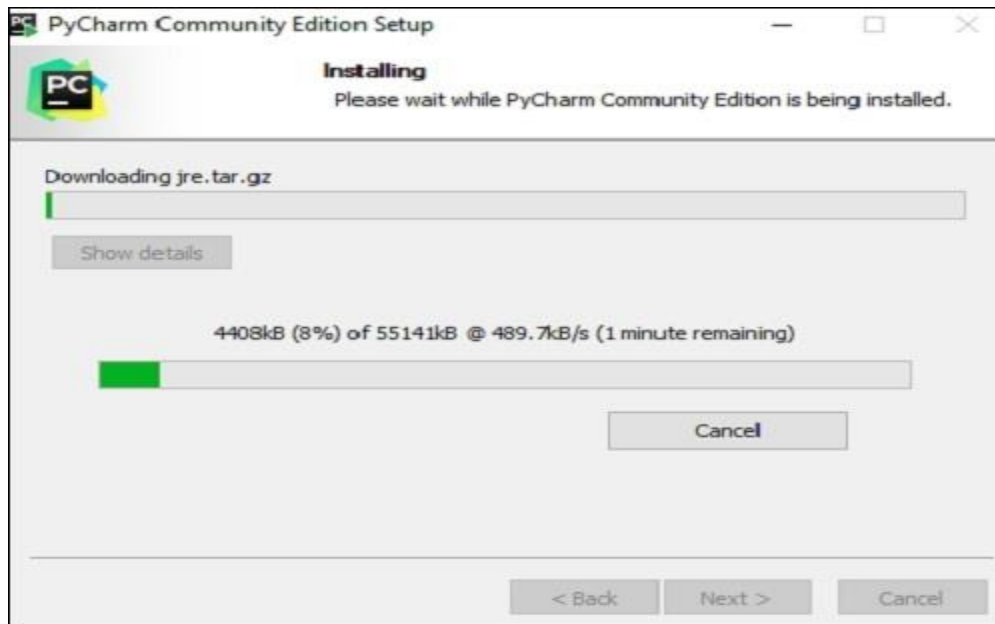
Mention a destination folder as shown below –



Step 3

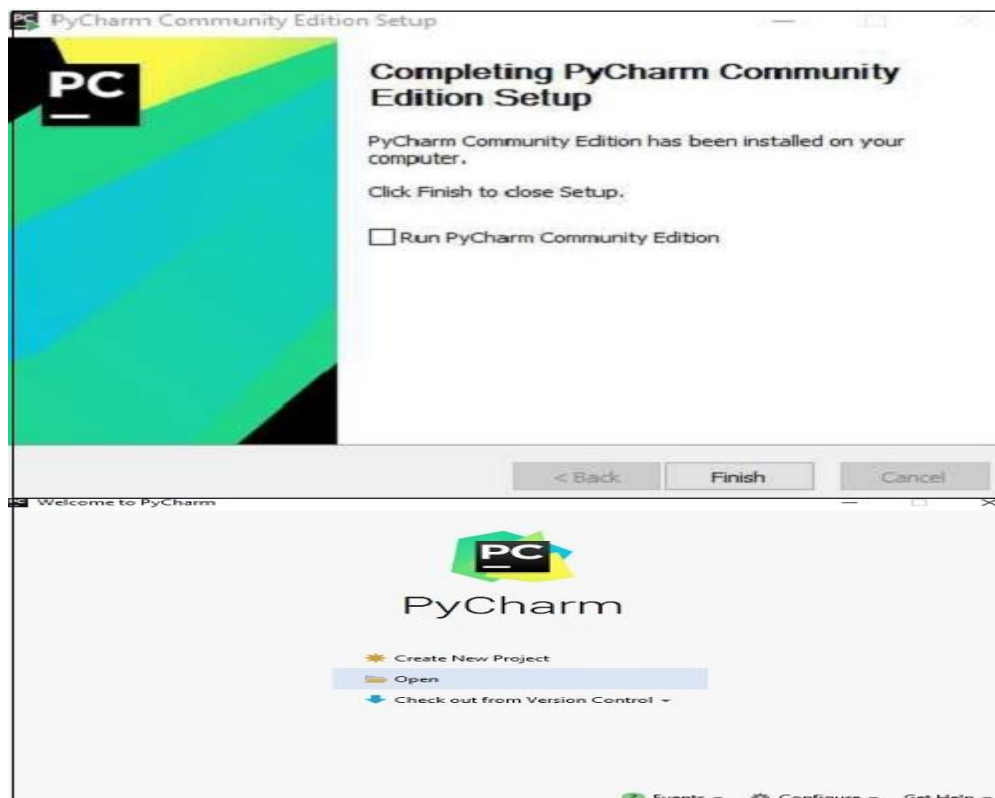
Begin the installation.

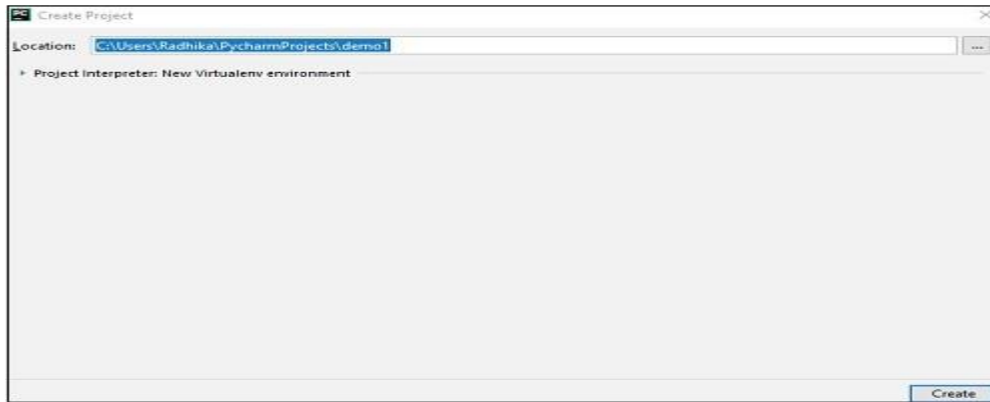




Step 4

import settings.





This is an creation of workspace that we can work for the projects.

2.4 Hardware specification and Softwarerequirements

Hardware specification

Requirements	Specifications
Processorr	4 th generation Intelcore i3 or higher
Disk Space	16 GB or More
RAM	4 GB (min)

Software requirements

Requirements	Specifications
Operating System	Windows 7 and above
Programming Languages	Python 3.8
Software/Python distributions	PIP/Anaconda
Development environments	PyCharm/Spyder/Visual Studio
Web frameworks	Django/Flask

CHAPTER 3

SOFTWARE REQUIREMENT SPECIFICATION

3.1 SRS

Users

Administrator:

Proper utility reflection that is required to be associated and different types of structuring considerations that are required to be provided for the work ability in hands mint and elaboration will be done by the administrator.

Team members:

All the team members will be added by the administrator and they will be controlled by the administrator with a proper overruling regulation that is provided within the system.

Assumptions and dependencies

We have to assume that users should be controlled and should be associated by the administrator for a proper reflex of the work to the undertaken and all the users those who are added should be having the work apprehension.

The dependency of the system is obviously that the alternative design formations for working is required first by the administrator and all working associations will be done only through the system.

Scope and objective

Scope of the system is to provide the experience of the systematic working in such a way that the system can be utilized for proper automation and for the intelligence which is needed by different types of organizations worldwide to manage multiple types of clients.

The objective of the system is to provide divine workability with all types of define consideration related to reciprocal and distributive preferences so any type of related requirements can be achieved through a single system.

Problem statement

The problem statement is referenced in terms of the cognitive intelligence in automation which is required to be included because different organizations will be having different references of the work rules setup.

Even the reference of multiple types of proclamation in different scenarios is required to be managed by the system which requires a proper implementation of Intelligence references to be operational.

3.2 Functional requirements

To understand the features we will be adding the functional requirement documentation where we will divide the vital requirements and functions into different preferences of the post requirement and the pre requirement so that we can have detailed understanding about the workability preferences.

Categorical conditions:

Use Case Name	Categorical conditions
Trigger	Settings
Precondition	Control login required
Process	<p>Categorical conditions are associated in such a way that users will have their own preference for the appropriate working medium setup so with the help of this functionality the administrator then divide the system into multiple factors of working with improved control and enrichments of navigation features.</p> <p>The system provides the selective categorical services for the custom usage and in accordance to the setup the references will be saved for the operations.</p>
Post-condition	Added preference is saved

Automation:

Use Case Name	Automation
Trigger	Settings
Precondition	Login required
Process	Automation of different activities are provided with settings which has to be first apprehended according to the requirement so if the incident references are required to be associated the

	<p>related setup will be included whereas if any type of related communicate required then the related setups based on condition will be provided by the system likewise for any type of automation detailed preferences are provided which has to be set up forgetting the related outputs.</p> <p>Processing respond that is provided will be accurate and this will be done as the inbuilt selections will be saved for the priority working by the users when automation settings will be undertaken</p>
Post-condition	Revised settings provided

Associations:

Use_Case_Name	Associations
Trigger	Inputs
Precondition	Admin login
Process	<p>Associations is a bigger reference in terms of the system default Global client based on the utility services and multiple group members from the company has to be added.</p> <p>The system provides a detailed set up for the association fair related to the topology and the related work consideration the regulations for the administration and accessibility will be provided.</p> <p>Each setting options will be controlled in such a way that proper view and control on to the related Associates can be achieved through the system.</p>
Post-condition	Added

Conditional reports:

Use Case Name	Conditional reports
Trigger	Selective
Precondition	Operations setups
Process	<p>Conditional reports are also generated within the system to obtain proper navigation and even it can be shared with different references so the system provides a refinement option through which the requirements can be inferred and accordingly the system will process the information.</p> <p>Reports are generated with enforced updating so that proper identification of the working can be achieved. Reports are provided in different formats where a new report for instance activity that is required to be analyzed can be generated various all the reports that are already considered will be saved so that later in future it can be directly accessed</p>
Post-condition	generated

Utility designs:

Use Case Name	utility designs
Trigger	Selective
Precondition	Control required
Process	<p>The utility designs that are required for the exploration of different intended activities are also provided which can be reviewed and can be selected by the users based on the approach and consideration they want.</p> <p>Operations can be arranged with different types of intended working and regulations that are</p>

	required to be applied so each work hierarchy can be designed by the administrator and accordingly multiple activities can be activated as a same time or can be organized at the same time.
Post-condition	Selective provisions provided

3.3 Nonfunctional requirements

Accomplishing all types of approach required for proper Administration and executive services to the users will be acknowledged with the help of non-functional requirements where different types of classifications will be understand so that we can properly reflect that what type of real time condition options should be provided to the users.

Interoperability

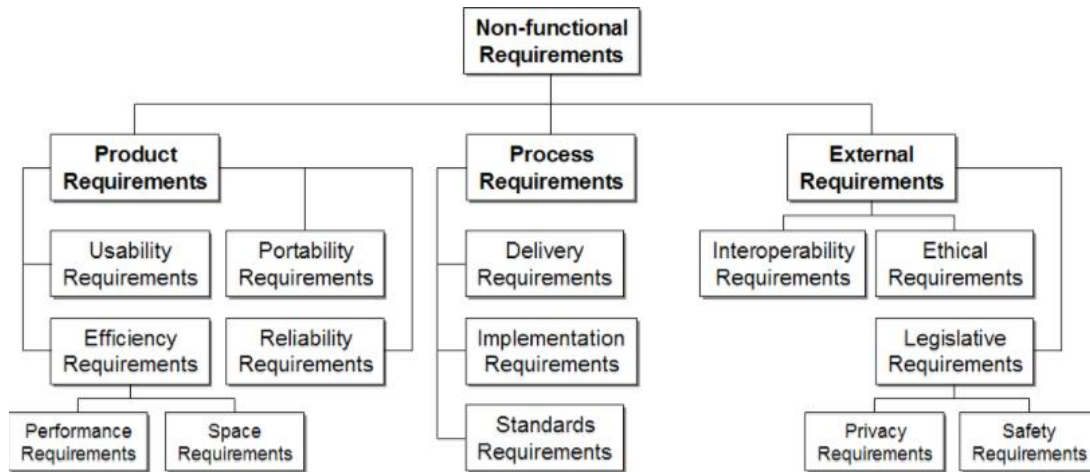
The operation that are related with the system is provided in such a way that different types of organization will have their own consideration of setting and acknowledgements of assembly so the system provides free hand in terms of operations which can be organized in parallel.

Data integrity

Data integrity validations are provided in such a way that any type of real situation that arises some problem in terms of acknowledging the data input the system will provide related notification and even all the related data that is generated will be associated with different heads of security references. Various types of cloud data center will be included and even algorithms for the security is provided.

Scalability

The system is based on scalability where each consolidated working can be increased when it is required or we can say that system provides the working in such a way that extended work support can be properly established. More clients and more references of working utilities are required to be added can be organized through the system.



Fig_3

The figure shows all categorized important factors associated.

Documents

Documents play important role so for making the use of understand about how the intelligence of the system can be utilized for how the related reports can be generated we have to make different example and is required to be provided. The documentations are acknowledged with detailed work reference where each functionality will be described so that more working can be obtained.

Maintainability

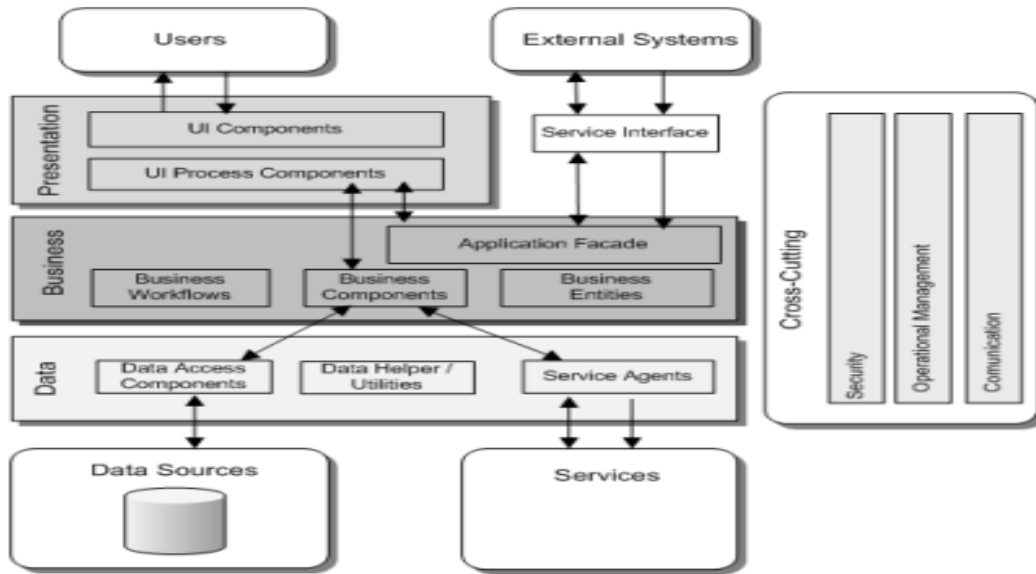
The septum reference design is in such a way that any type of change in the environment which requires modification can be acknowledged by the providers. The administrator will be having multiple references of consolidated settings which are required to be generalized for the optimal control.

CHAPTER 4

SYSTEM DESIGN

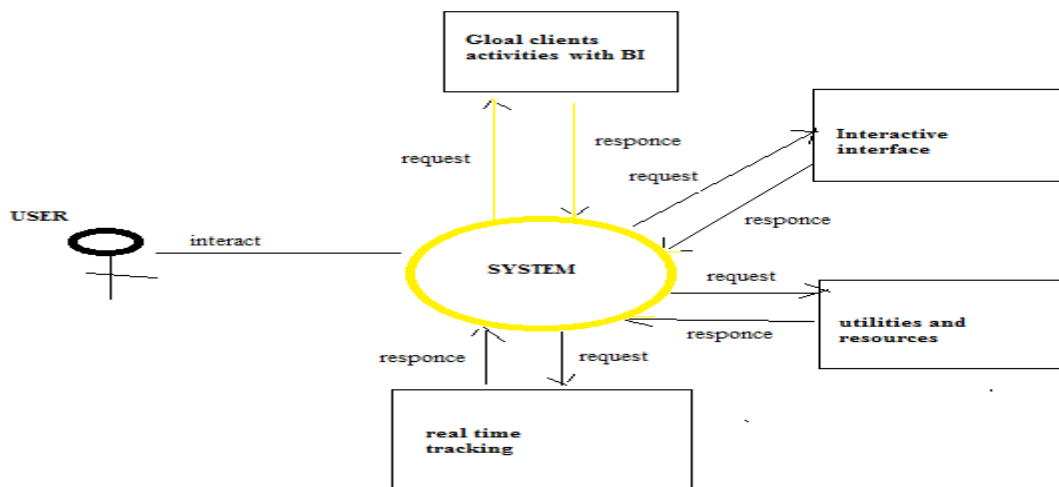
4.1 System Perspective

A conceptual model is been designed so that the structure behavior and view of the system can be properly recognized this is what we call the architecture diagram.



4.2 Context diagram




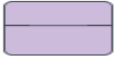




Context diagram can help the stakeholders and analysts to understand the context of the system which is been designed without any technical knowledge.



Context diagram.

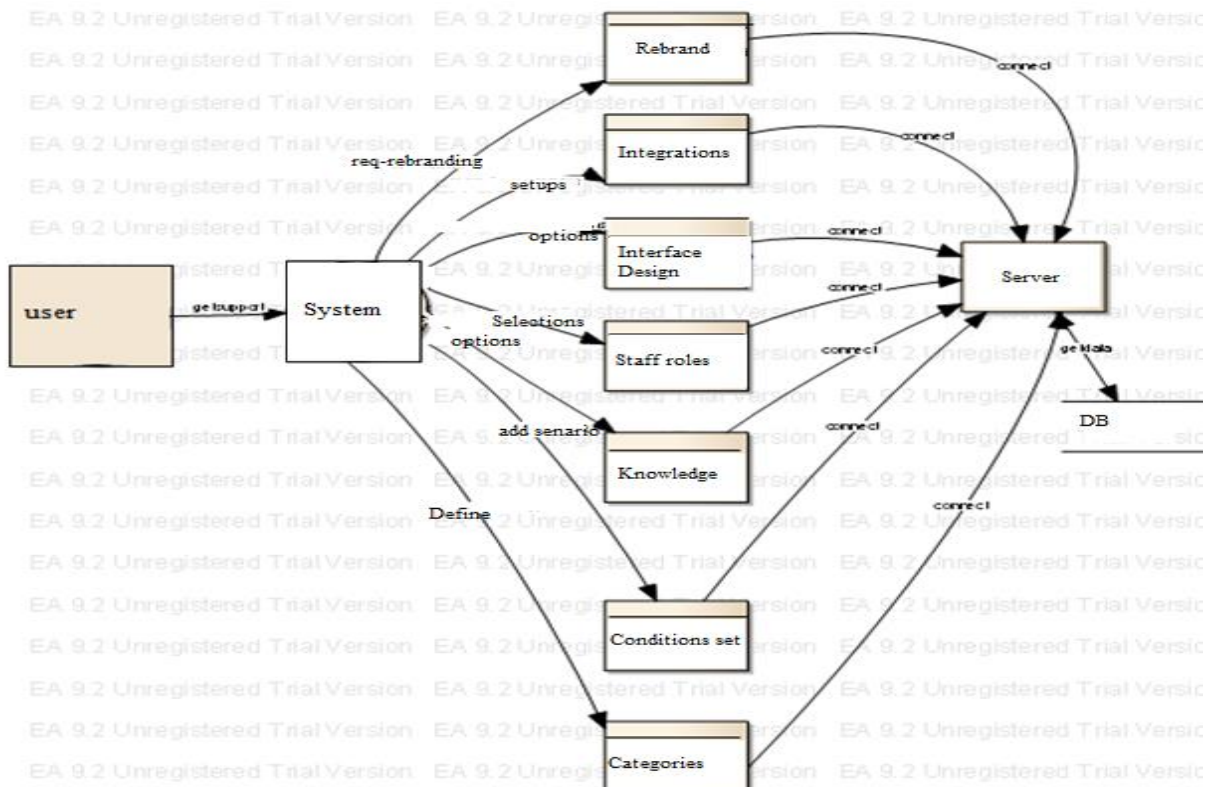
4.3 Data flow diagrams

Data flow diagram represent the flow of data and it will be done by referencing different types of components based on function database input output and flows.

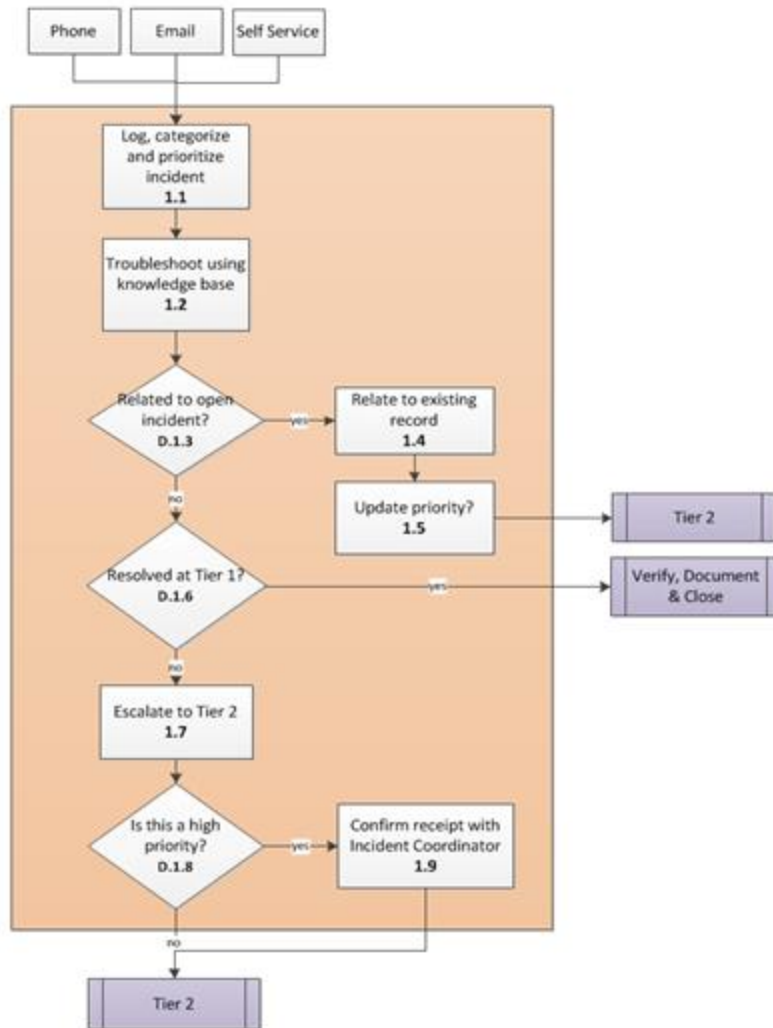
	Yourdon and Coad	Gane and Sarson
External Entity		
Process		
Data Store		
Data Flow		



4.4 Level 0-dfd diagram



4.5 Process design



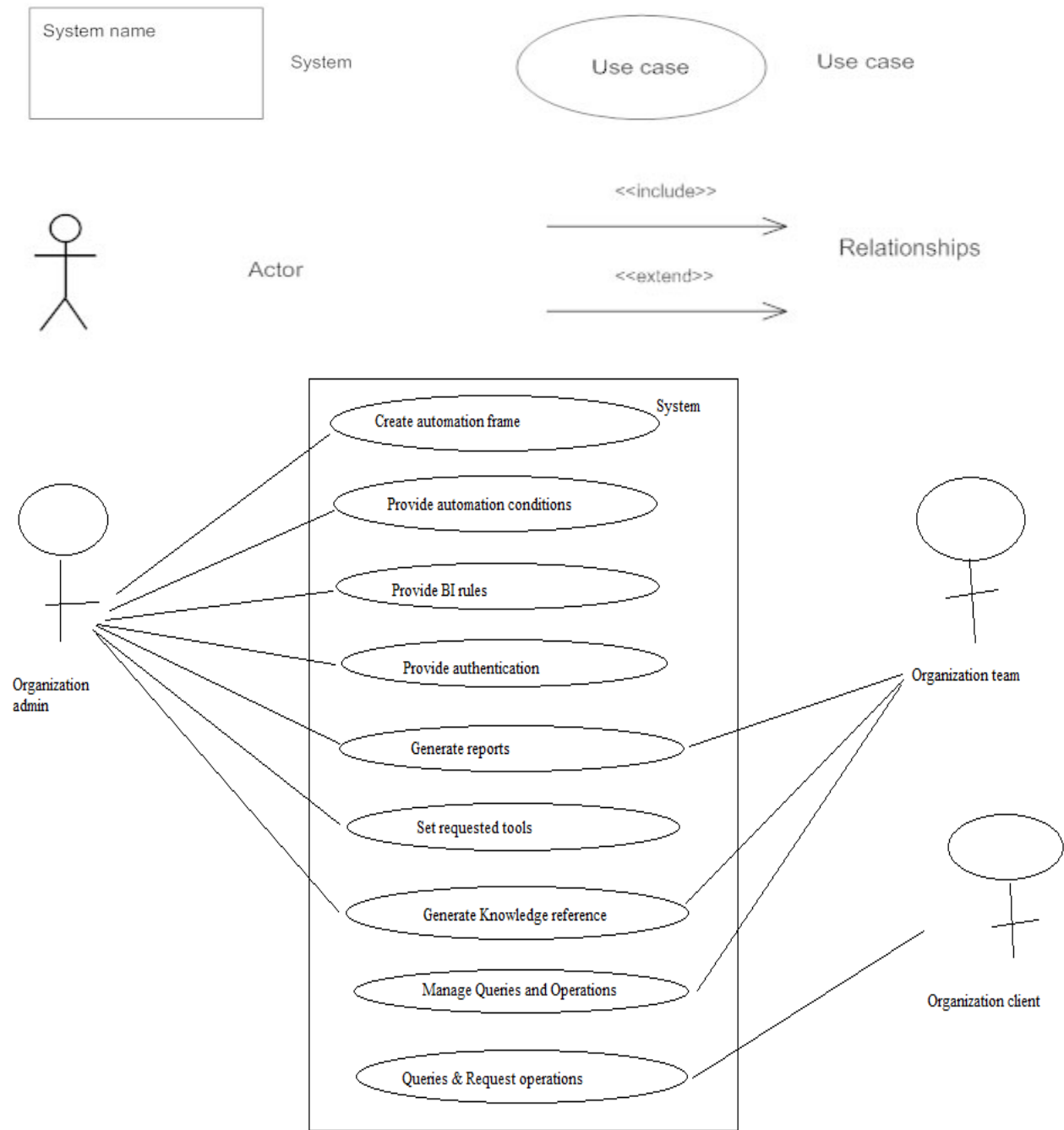
Process design.

CHAPTER 5

DETAILED DESIGN

5.1 Use case diagram

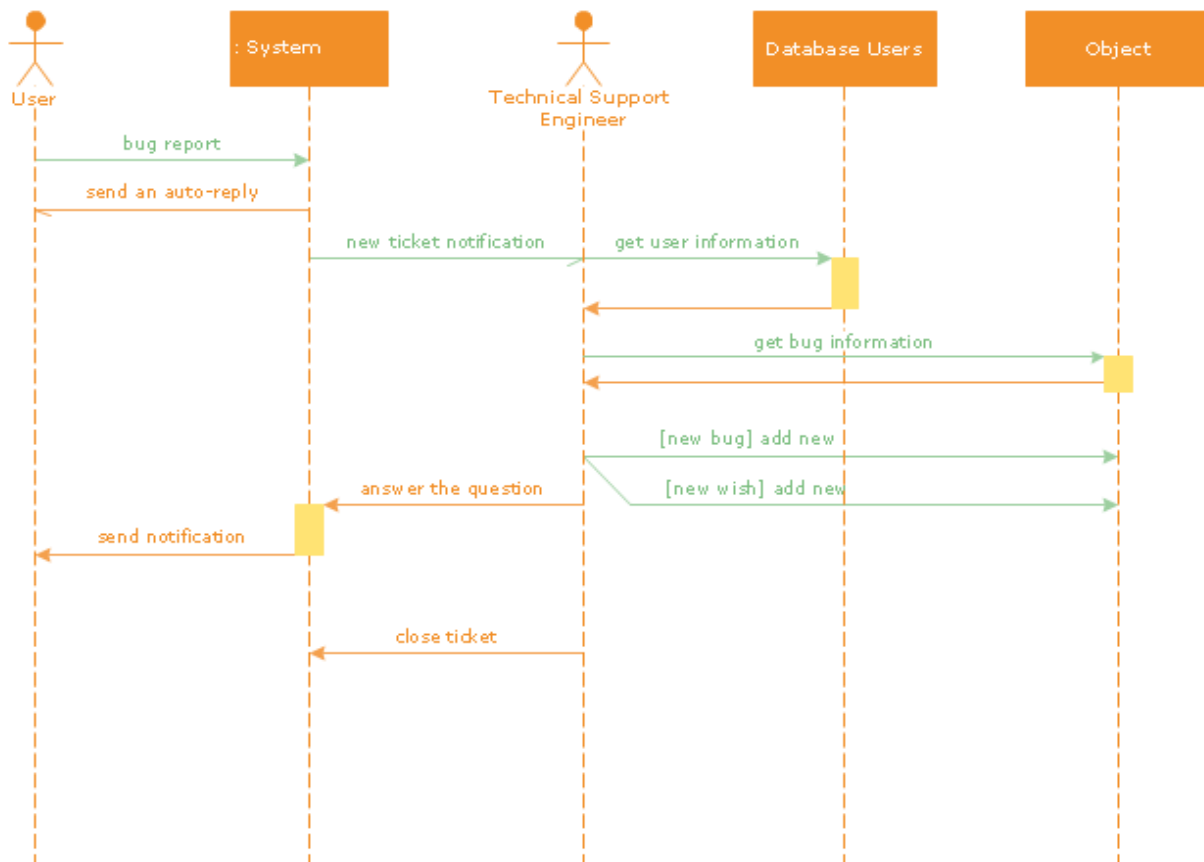
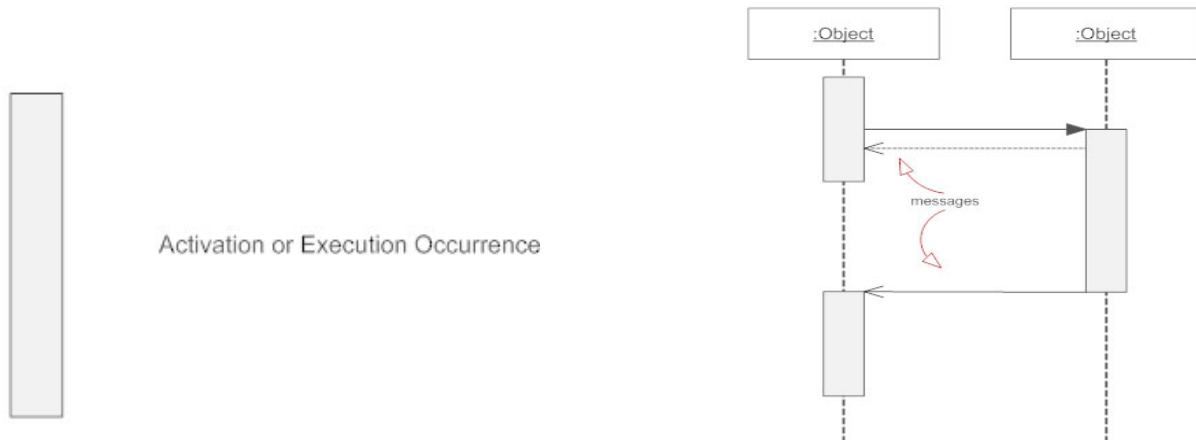
Use case diagram shows all types of interactions and relationships between the user and different types of use cases where the user is involved for the referential usage.



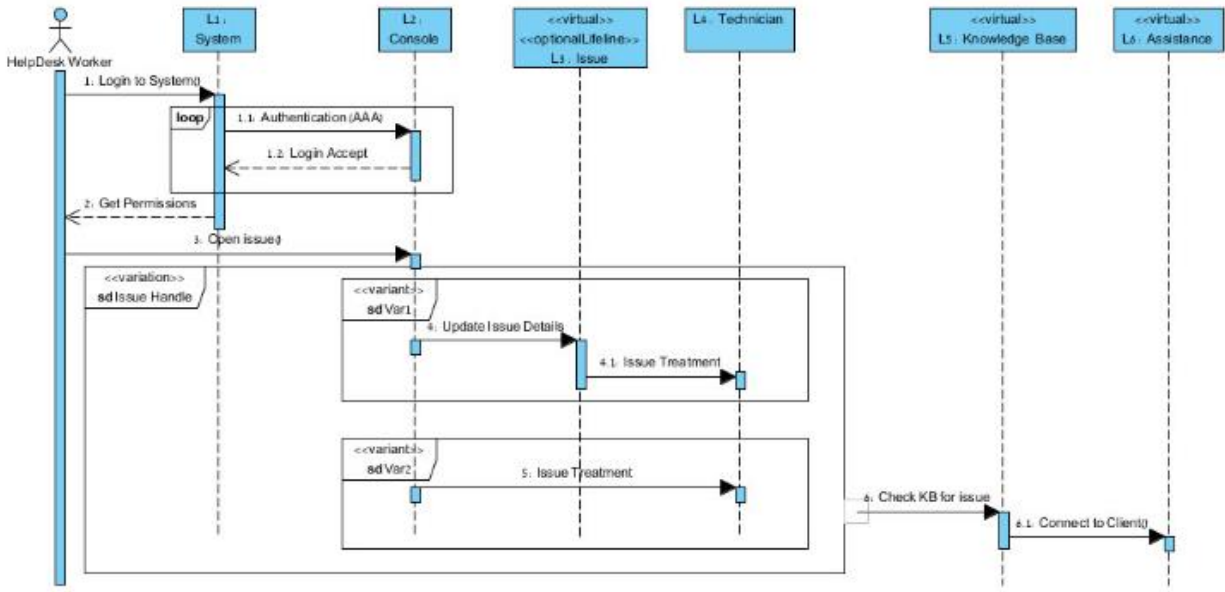
Use case diagram

5.2 Sequence diagram

Sequence diagram shows different types of task that will be done between the user and the system.



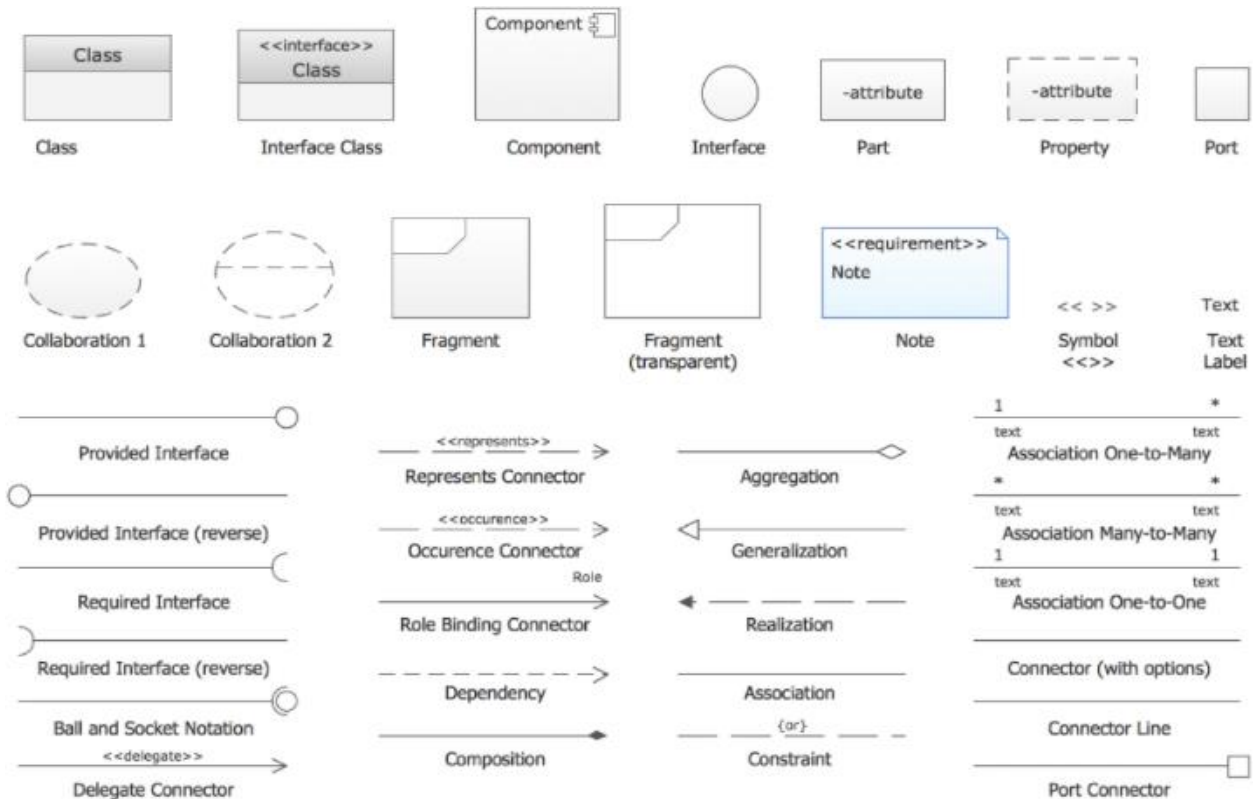
Sequence diagram

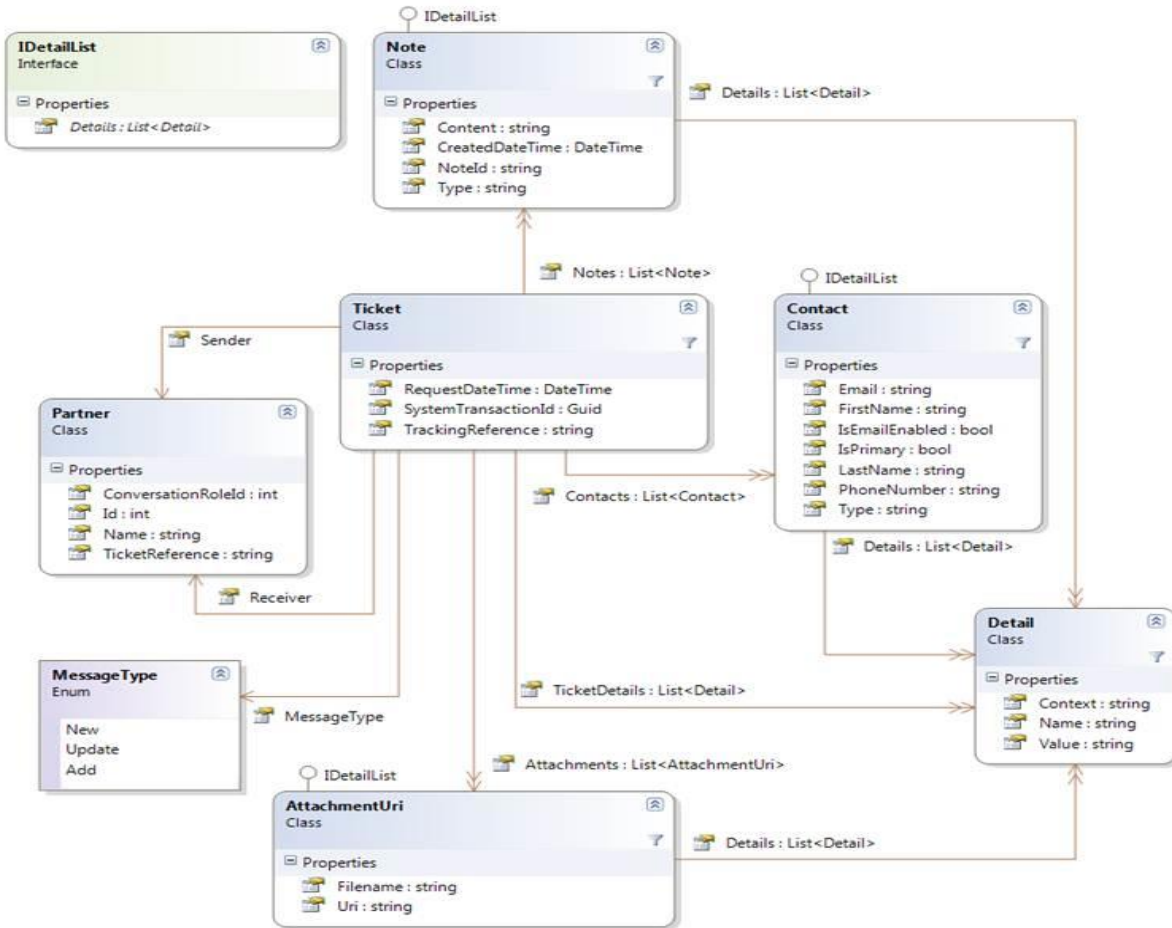


Sequence diagram

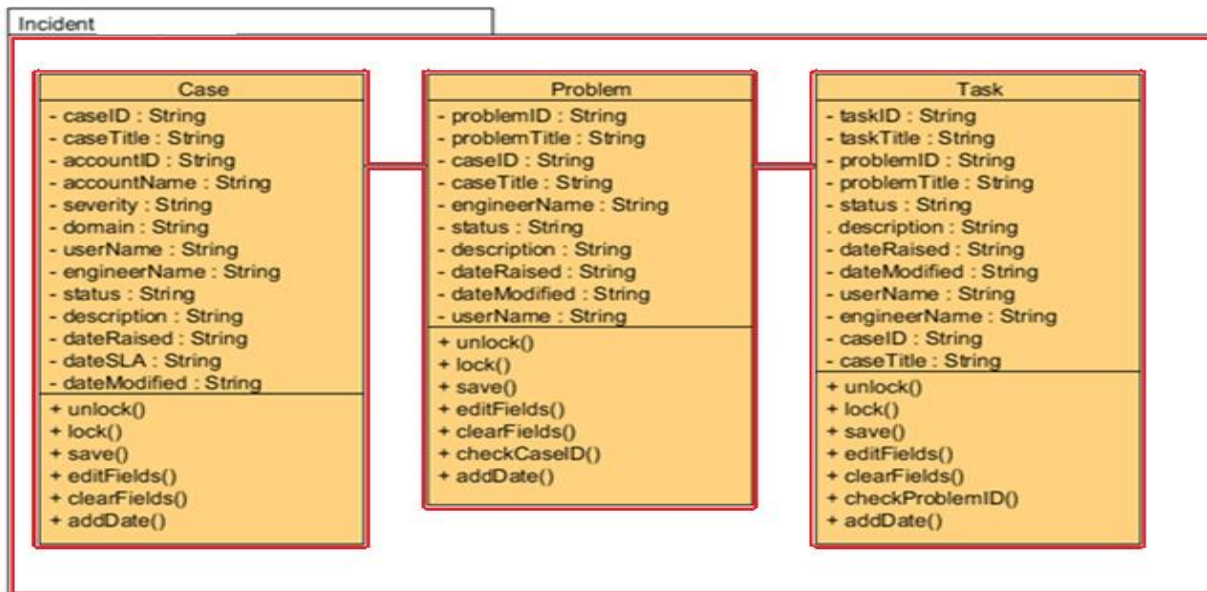
5.3 Class diagram

Class diagram is divided into three main compartments where all types of class name attribute and operations of execution will be included.





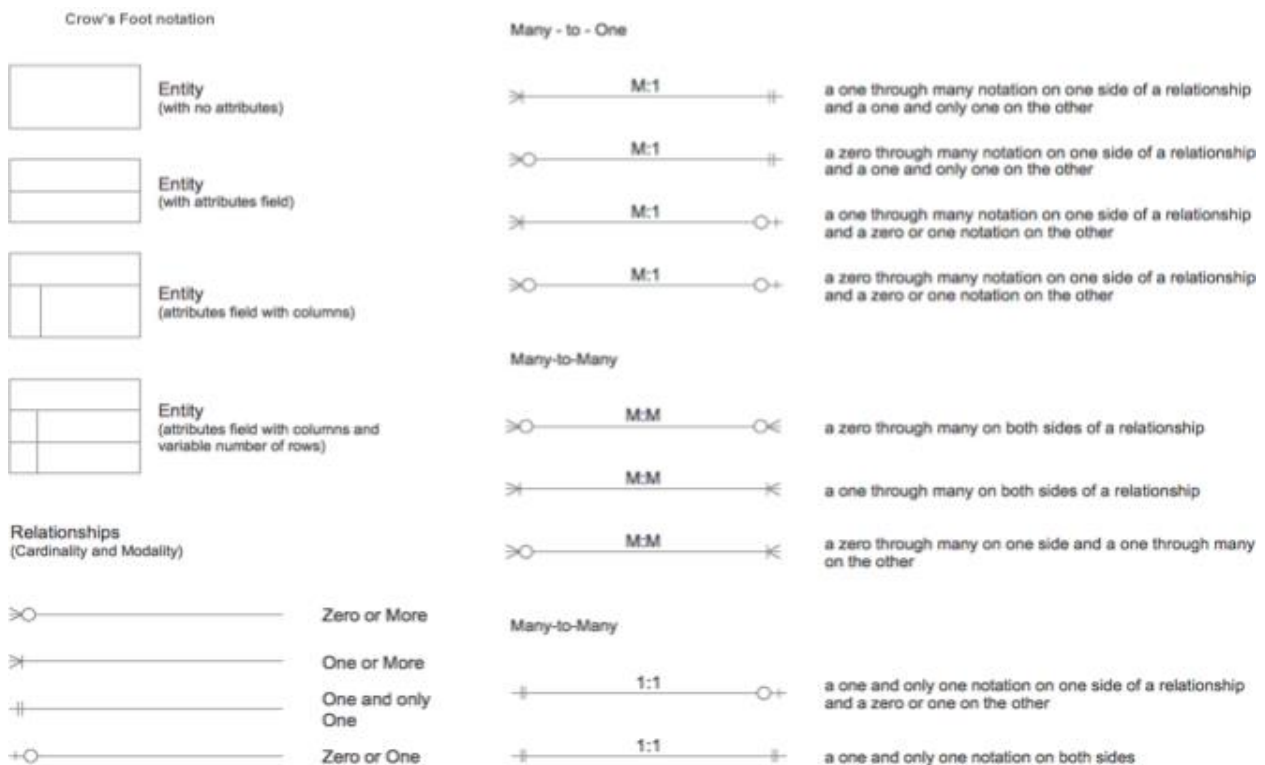
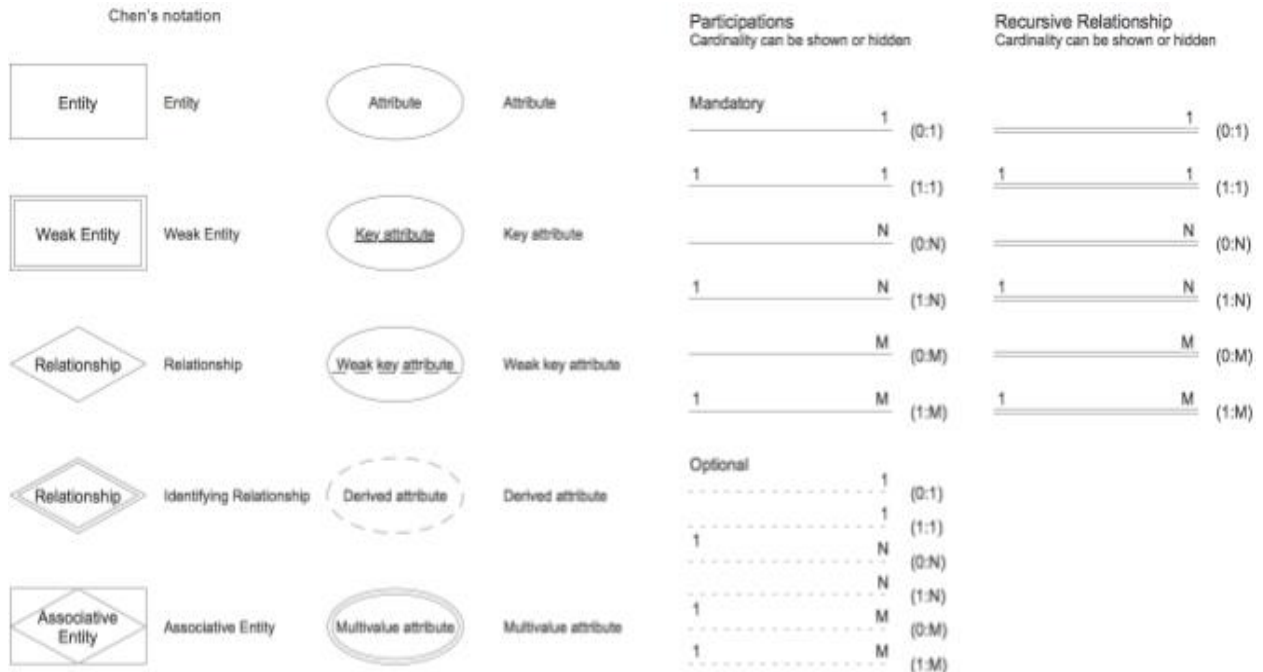
Class diagram

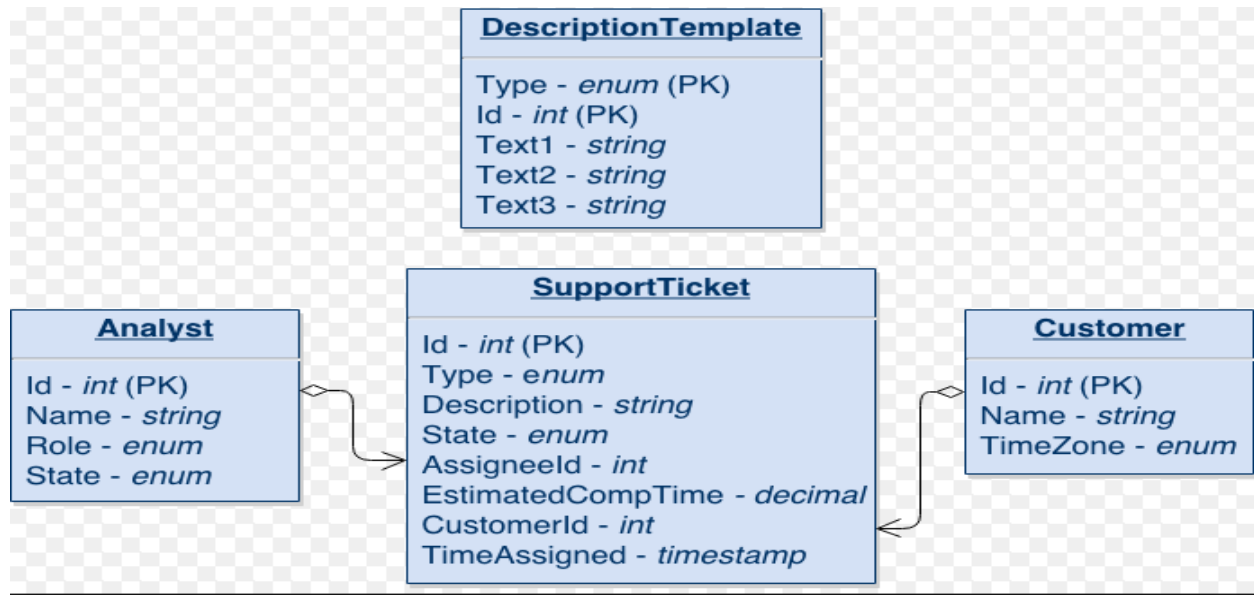


Class diagram

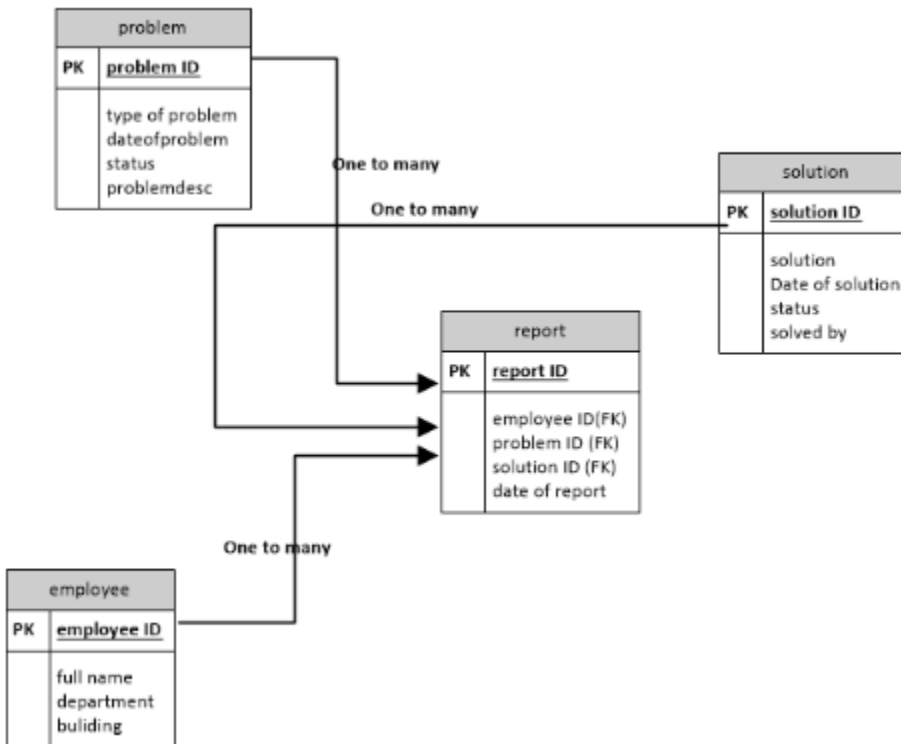
5.4 Entity relationship model

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

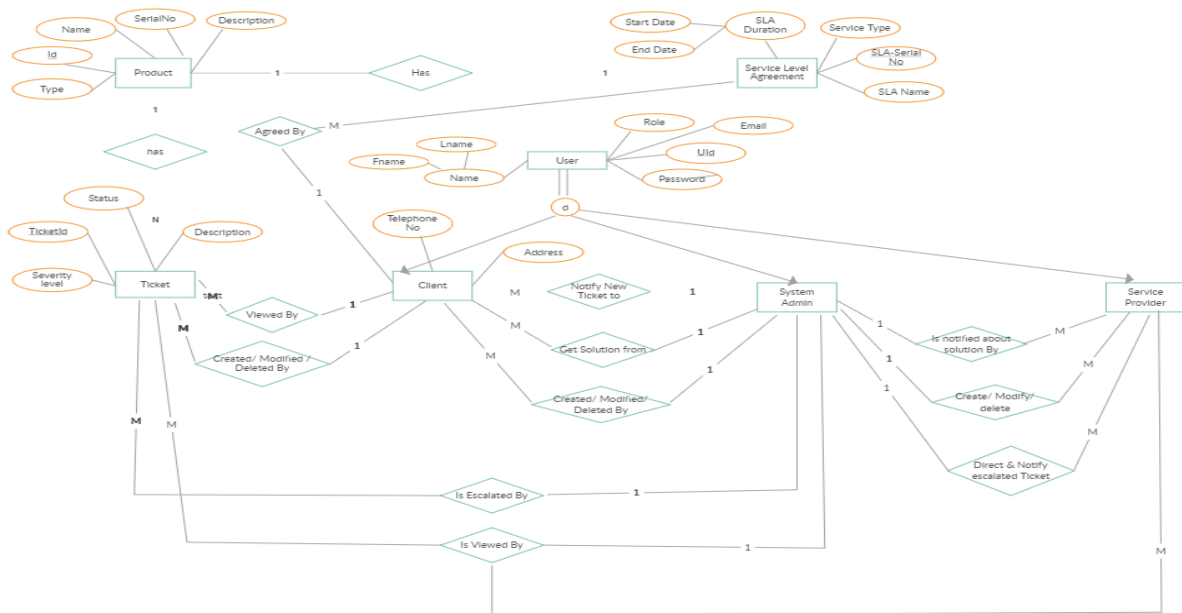




5.5 ER diagram



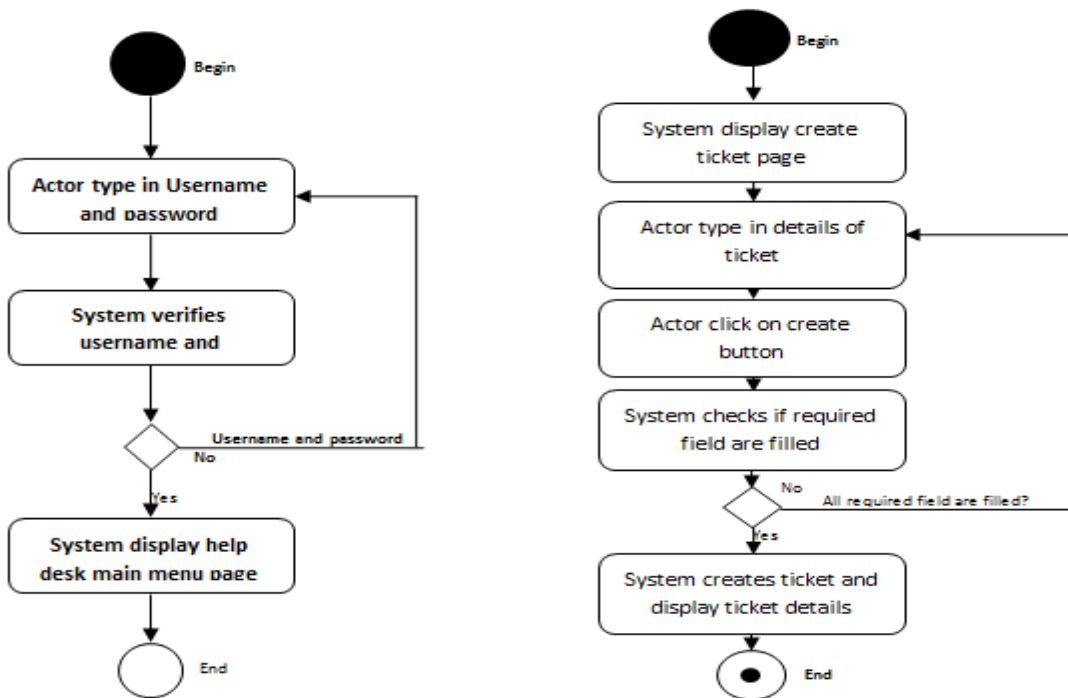
ER diagram



ER diagram

5.6 Activity diagram

Activity diagram captures the dynamic behavior and shows the message flow from one object to the another.

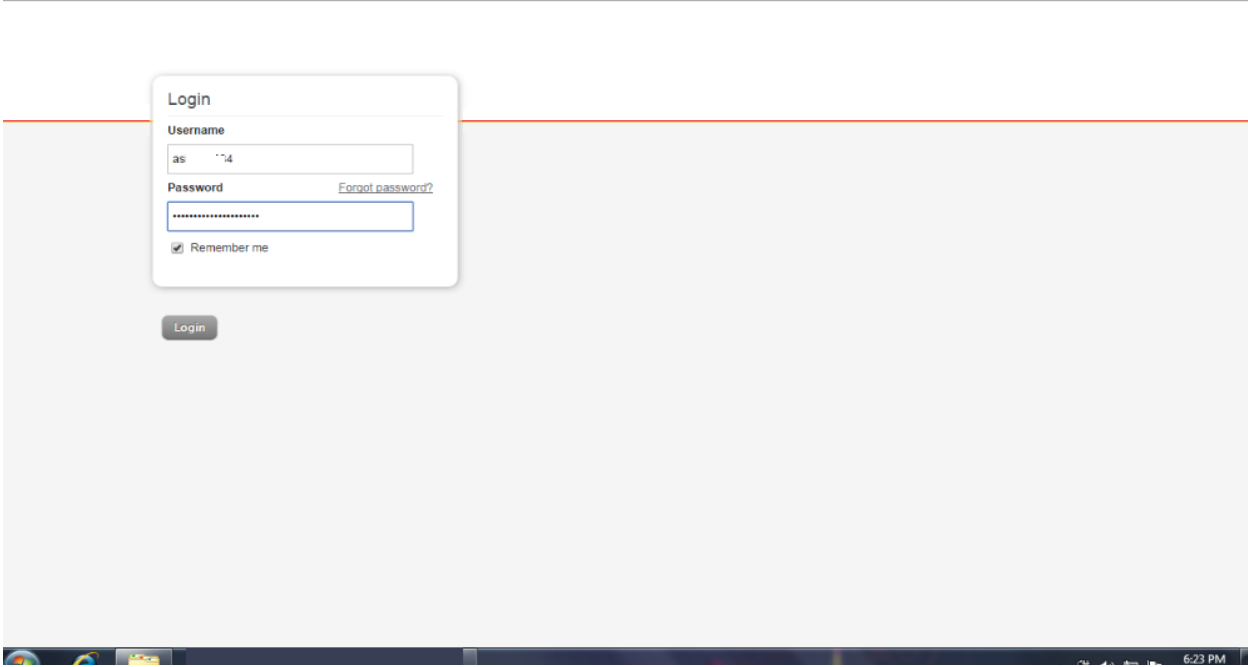


Activity diagram

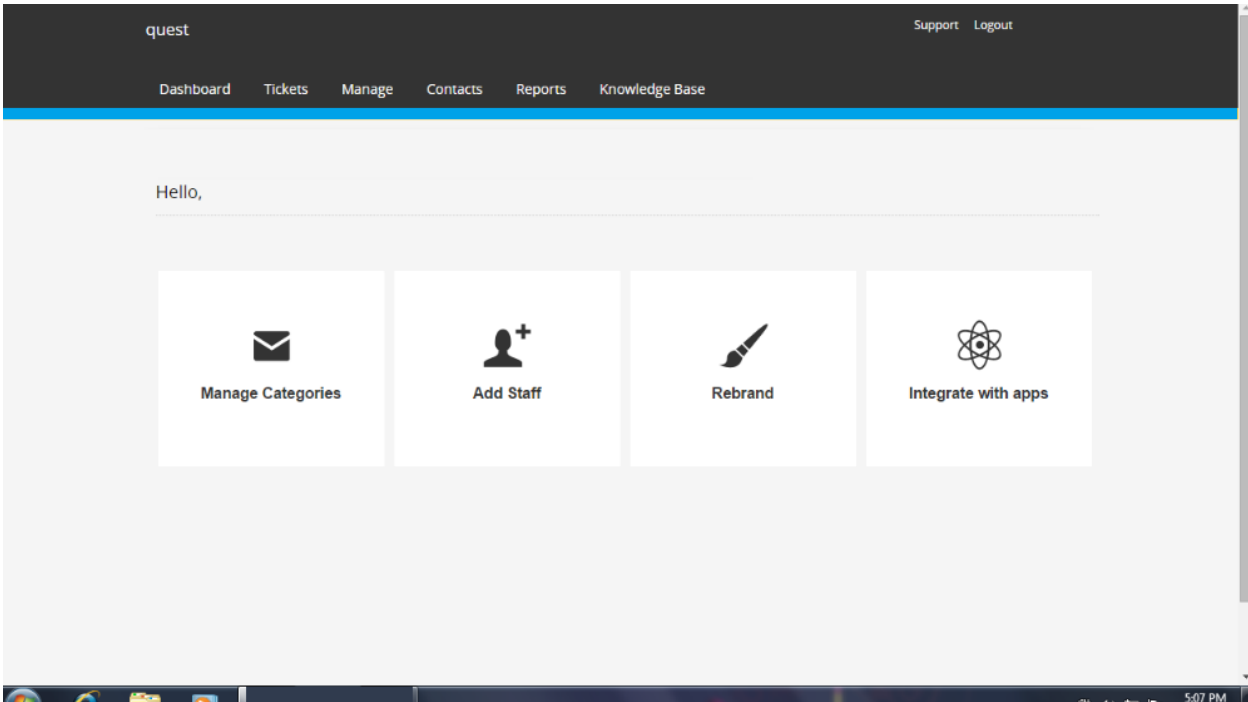
CHAPTER 6

IMPLEMENTATION

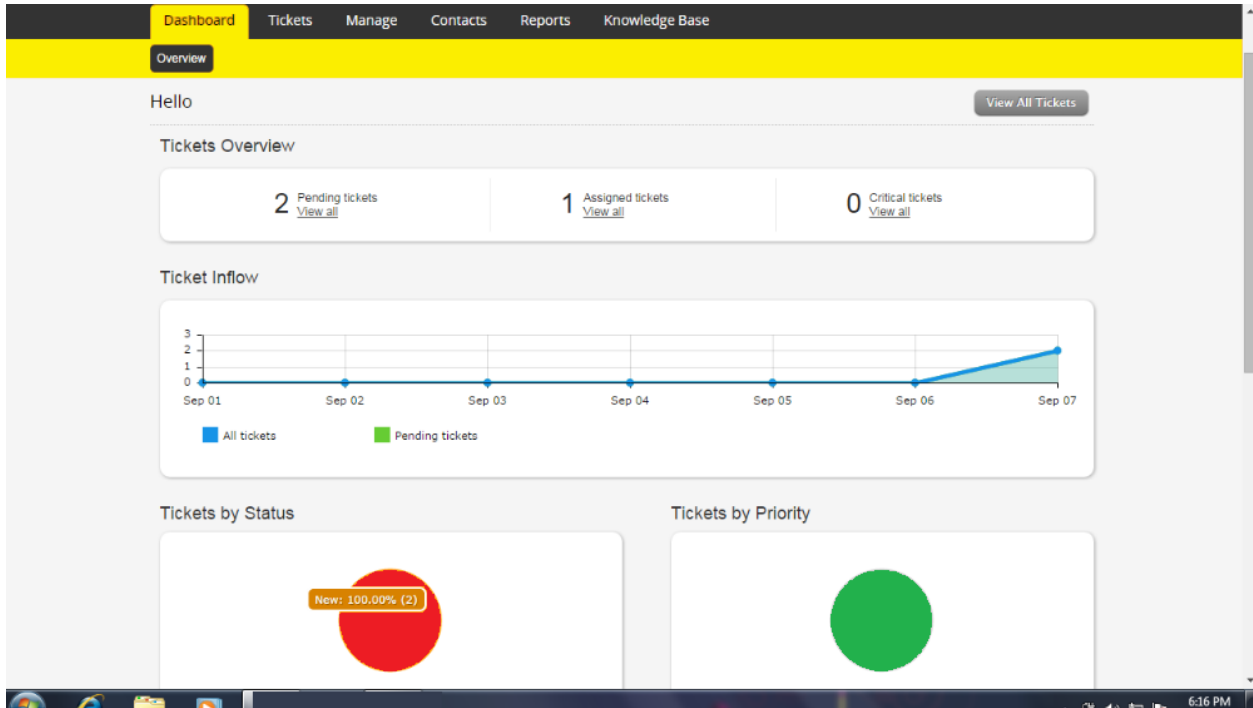
6.1 Screen Shots



Admin login for the company.



Home page with different settings.



Overview of the real time work is shown.

The 'New Contact' form includes fields for 'Name' (client2) and 'Email Address' (client2@gmail.com). There is a checkbox for 'Email generated password to contact?'. The 'Phone Numbers' section has a dropdown for 'mobile', a field for '+91', and 'Add another phone number' link. Buttons for 'Add contact', 'Reset', and 'Cancel' are present. Below is the 'All Groups' table with columns: Name, Description, # of contacts, and # of allowed categories. The table is empty, showing 'No Groups found. Add a new contact group' and an 'Add new contact group' button at the bottom.

Name	Description	# of contacts	# of allowed categories
No Groups found. Add a new contact group			

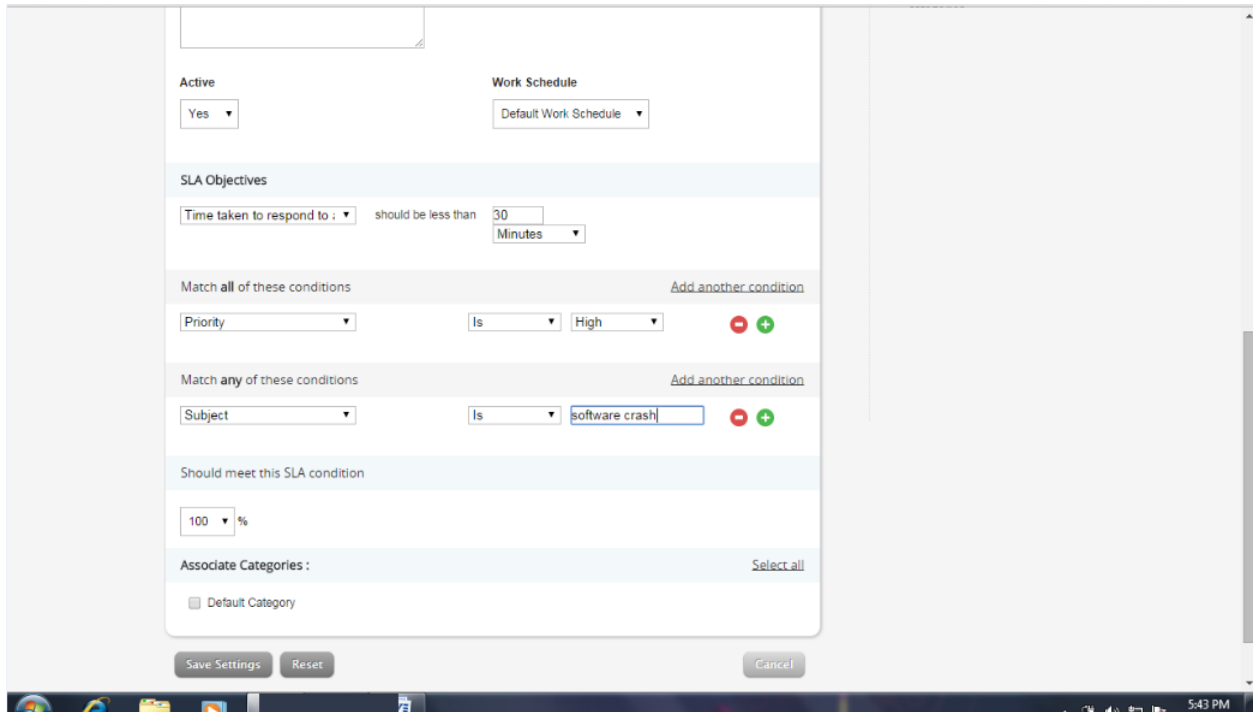
Adding contacts.

The screenshot shows the 'Manage Staff' page. The top navigation bar includes 'Dashboard', 'Tickets', 'Manage', 'Contacts', 'Reports', and 'Knowledge Base'. Below this, a secondary navigation bar has 'General', 'Categories', 'Staff', 'Notifications', 'Ticket Fields', 'Contact Fields', 'Rules', 'SLA', 'Integrations', 'Forum', and 'Multi-brand'. The main content area is titled 'Manage Staff' and contains two sections: 'Staff' and 'Roles'. The 'Staff' section has a table with columns 'Active', 'Name', 'Role', and 'Email Address'. One staff member is listed: 'ashish' with the role 'Administrator' and email 'ur@indiasoft.com'. Below the table is a '+ Add new staff' button. The 'Roles' section is titled 'Roles' with the subtitle 'Add and set permissions for Roles'. It contains a table with columns 'Name', 'Description', and 'Members'. Two roles are listed: 'Administrator' (Description: 'Can do anything and everything s/he wants', Members: '1') and 'Staff' (Description: 'Regular Staff member.', Members: '0'). Below the table is a '+ Add new role' button. The system clock at the bottom right shows 5:23 PM.

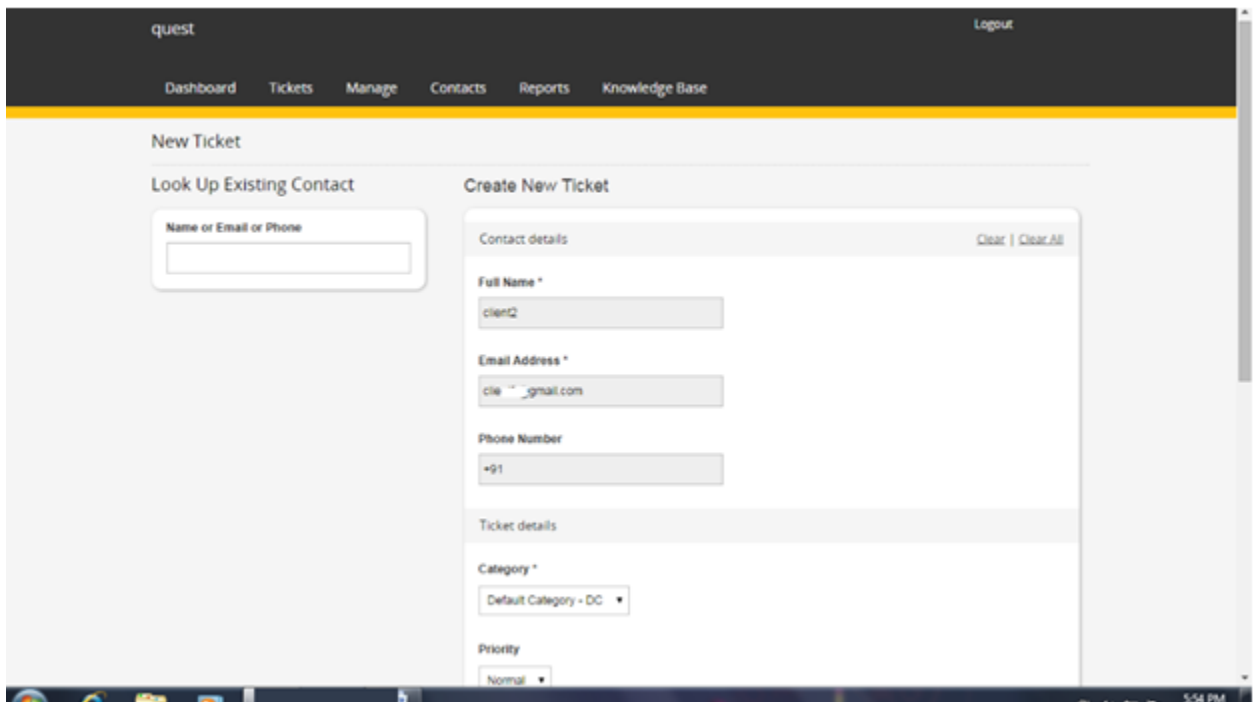
Staff details.

The screenshot shows the 'Manage SLA' page. The top navigation bar is the same as in the previous screenshot. The secondary navigation bar has 'SLA' highlighted. The main content area is titled 'Manage SLA' and contains two sections: 'Setup SLA' and 'New SLA'. The 'Setup SLA' section has the subtitle 'Setup SLA' and a table with columns 'Active', 'Name', 'Description', and 'Goal'. The table is empty, with the text 'No SLAs present' and a link 'Add a new SLA'. Below the table is a '+ Add new SLA' button. The 'New SLA' section has the subtitle 'Create new SLA' and a form with two fields: 'Name' (containing 'SLA1IndiaSoft') and 'Description' (containing 'software India'). The system clock at the bottom right shows 5:40 PM.

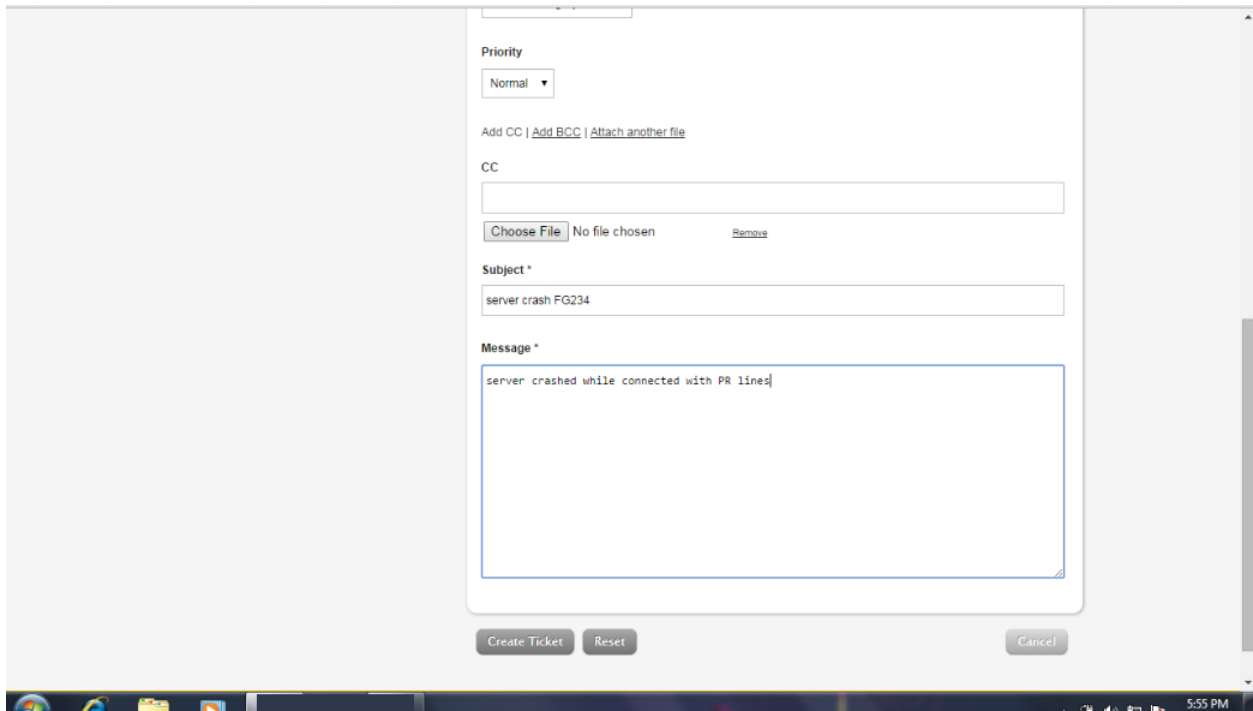
Automation rules-1(details input).



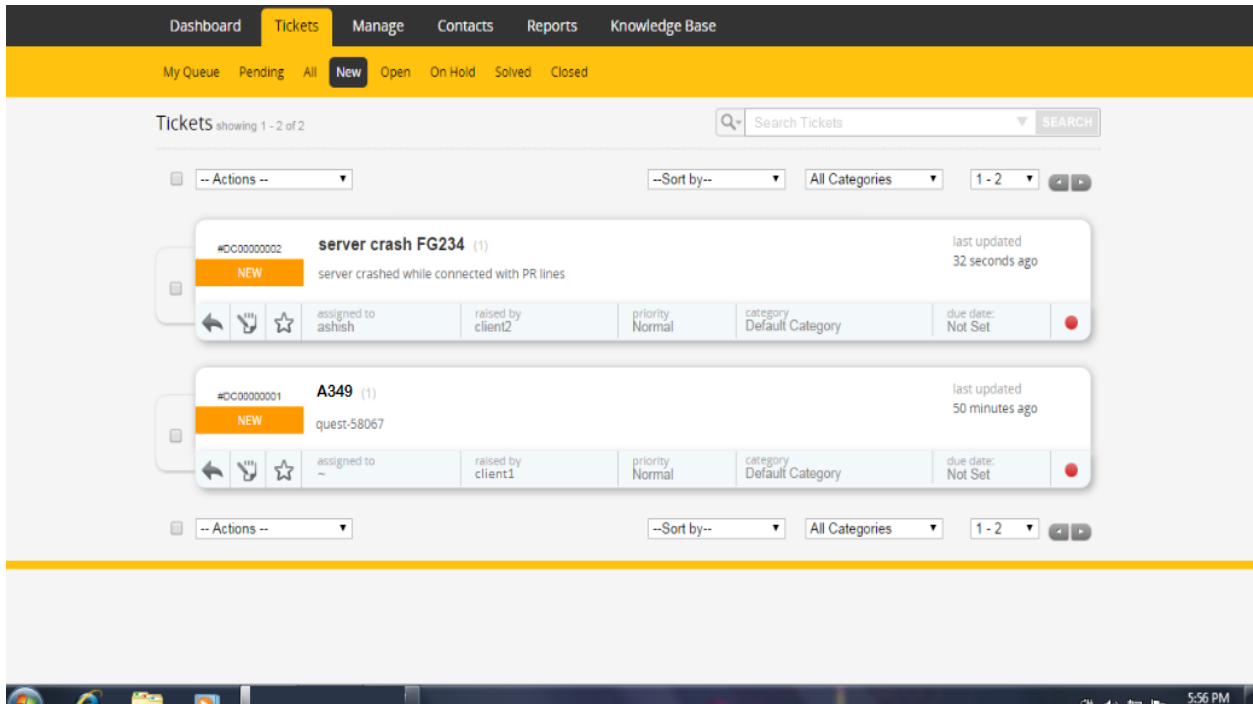
Automation rules-2(details input).



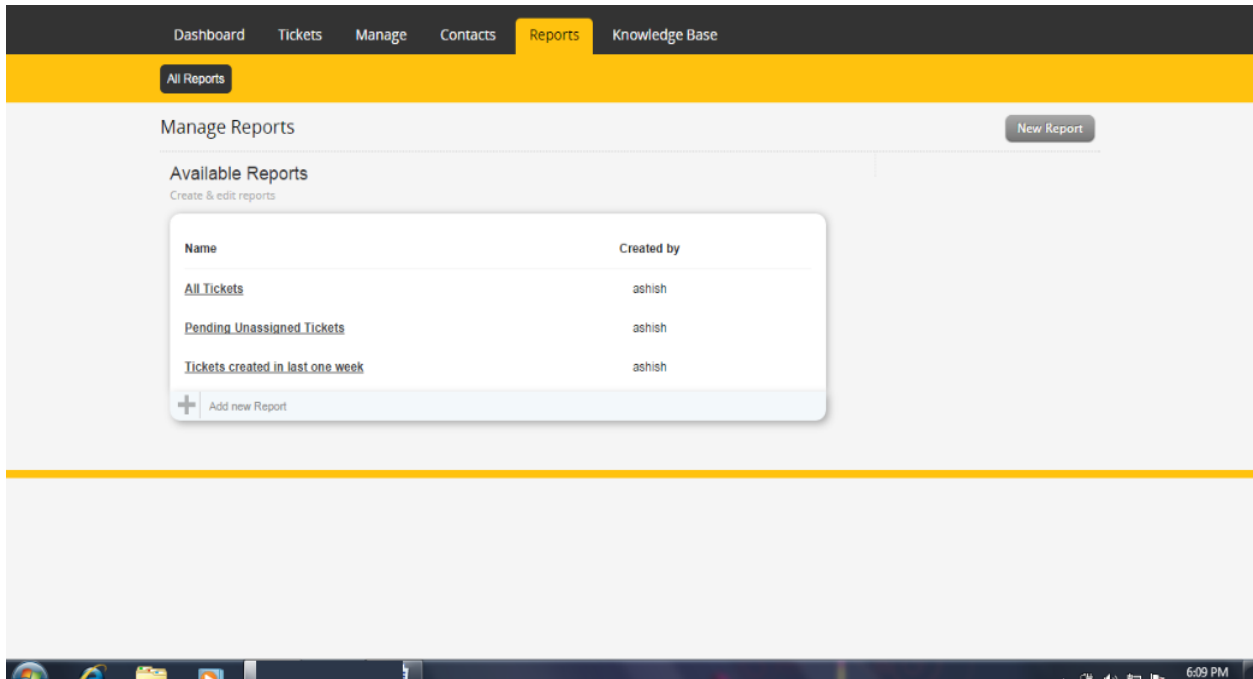
Adding tickets/problems-1(details inputs required).



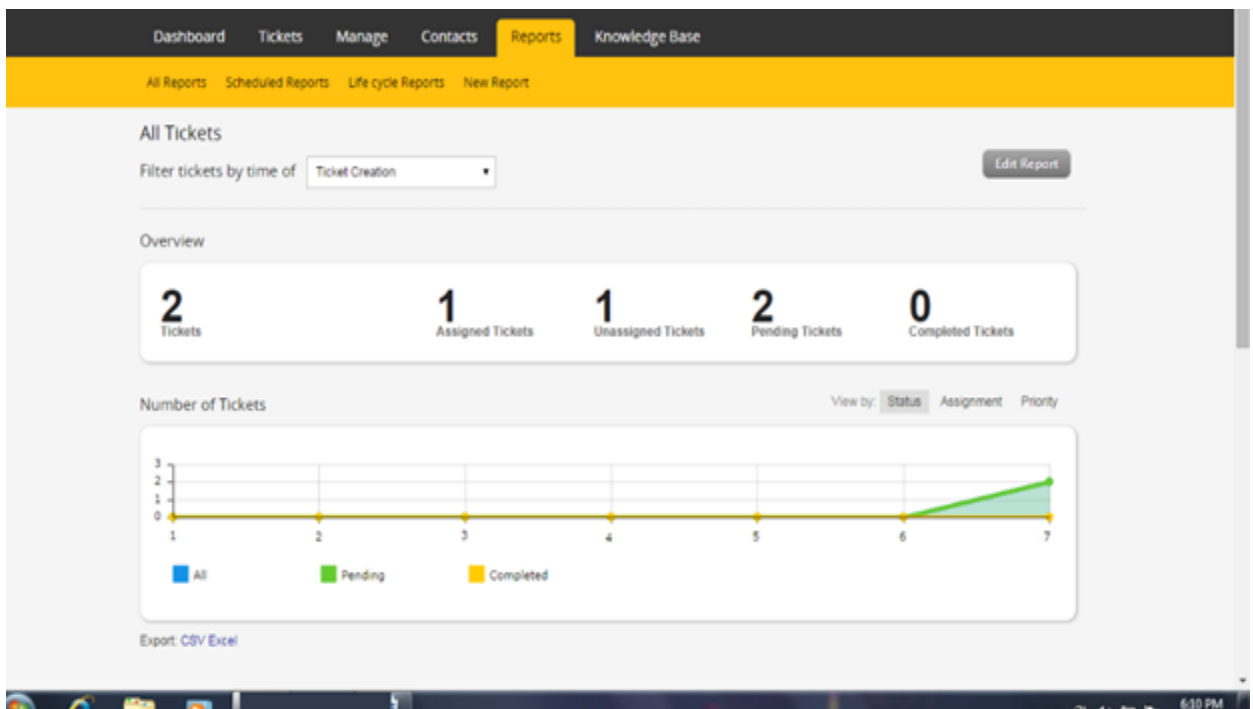
Adding tickets/problems-2(details inputs required).



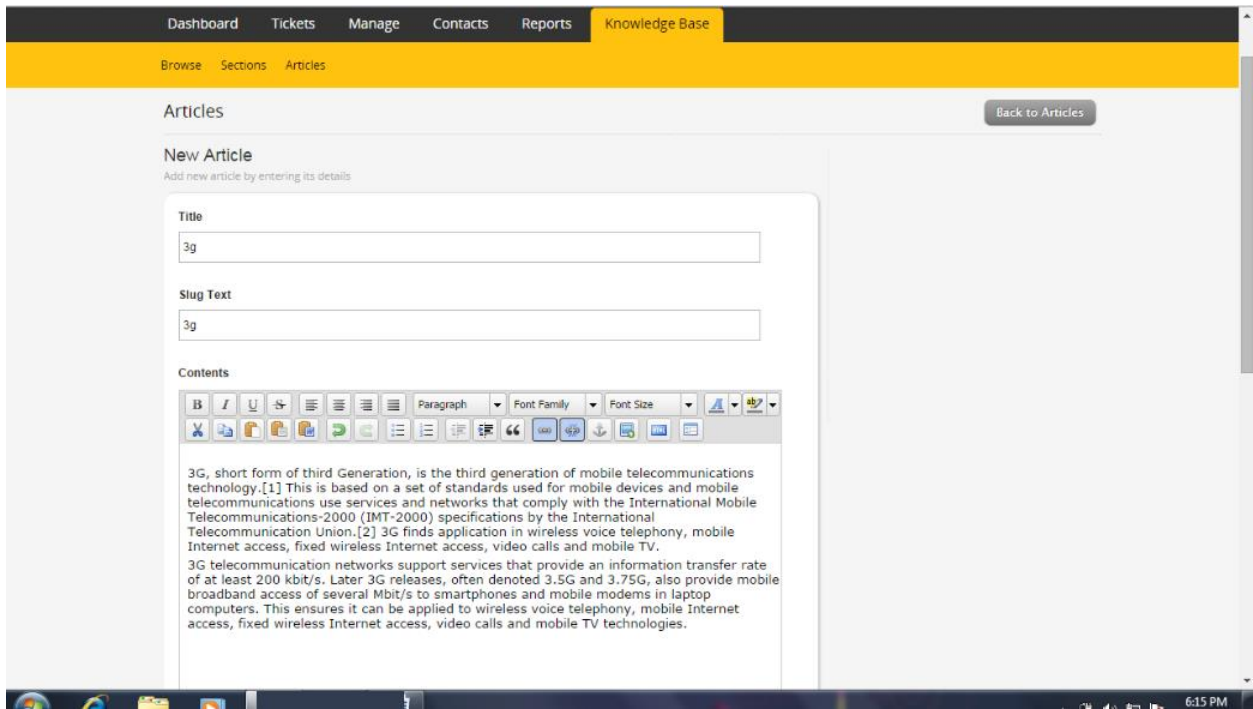
List of problems listed with details.



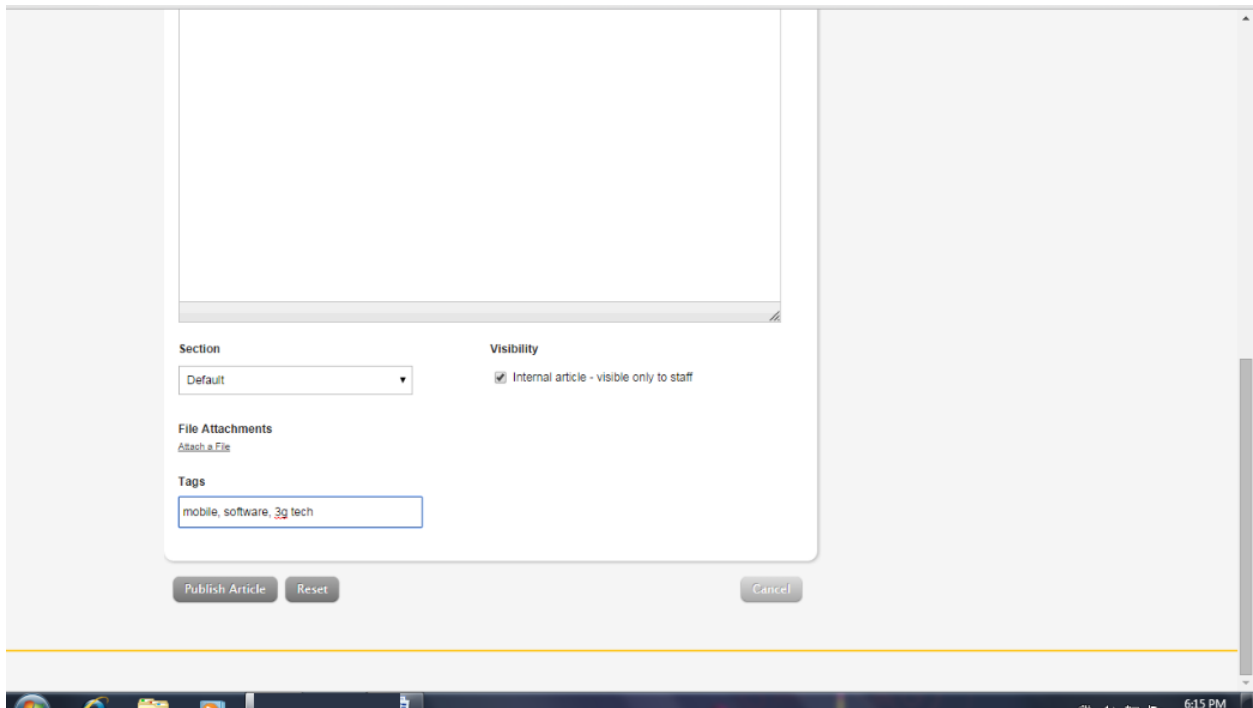
Reports.



Report generation shown.



Content-generation-1.



Content-generation-2.

CHAPTER 7

SOFTWARE TESTING

Testing is important consideration and has to be properly re-engineered based on the personalities that has to be implemented within the system can be checked for the working. Consolidated techniques should be implemented so that multiple references can be included within the system and all types of dimensional and all types of related proficiency that is required for the workability can be properly analyzed. Analysis of the working is very much important because it should match with the related workability requirements that have been discussed with the clients at the time of requirement references and all types of shared and collective working should be associated.

Multi associations will be generalized because the system is based on detailed communications and representations of different types of activities that can be performed from a single system. Software testing is also associated with the working strategic perception that are vital for the organization so the organization will be dependent on the system so the allocation should be properly check which will be done with the help of different types of unit testing perceptions and different types of automation references within the system. Multiple types of associated consolidations will be generated and these consolidations are associated with the processing of the channels and mediums which are acknowledged.

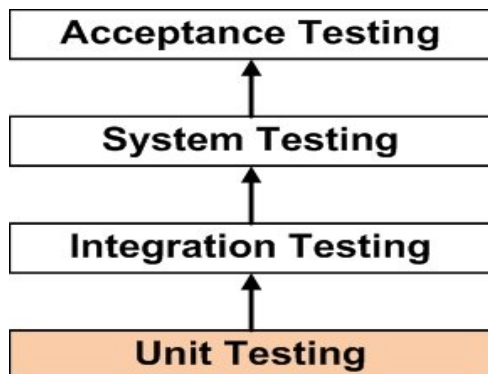


Figure-

Shows the concept of unit testing considerations.

Unit testing

The execution of the programs will be analyzed so that static code analysis can be understood.

Unit testing will be based on all types of preferences of the vital associations that are included within the system with the help of implementation and working rules.

All references which is provided in terms of getting the knowledge of the information is also check for different types of divisional aspects of the contents which will be associated.

Various types of references which will be inclusive in terms of the administration send executions of multiple activities in a contrived reference will be undertaken.

Under the unit testing we will be also checking the intensive online collaborations which would be generalized with the help of the system as we require that incorporation should be properly satisfied.

The vicinity of different types of directions that will be provided by the system is associated in such a way that we have to check that according to the condition of static the system should revert accordingly indifferent accounts that will be used.

Automation testing

Automation references are important because it will give us pure clear idea about different types of consideration for which the system reacts because multiple type of conditions can be checked with the help of a software.

QTP and Selenium software is utilized for the references to be generalized and the detail report will be checked.

Consolidation of the work is very much important and each reference that is required should be properly summarized with the help of Automation Testing because the software will check the criteria and detail about menu of the report will be presented.

Test cases

Serial	Test case	Test Input	Results	result	Test Stat us	Severity
1	Admin access	Admin credential provided	Reference of the control provided	Settings provided	Pass	Critical
2	Associated users	Details provided	Details added	Options saved	Pass	Critical

	managem ent					
3	Utilities	Controlled selections	List of reference provided	Details added and selective usage provided	Pass	critical
4	Operations	Settings	Multi-operations added	Defined operation s used	Pass	Critical
5	Draft usage	Space definition	Rules added	Condition s setups	Pass	Critical
6	Content	Different type support	Options provided	Format design support seen	Pass	Critical
7	Automatio n	Settings	Rules settings undertaken	Behavior al reference seen	Pass	critical
8	Issues	Settings	Details added	Reference issue considera tions provided in details	Pass	Critical
9	Reports	Selective	Filters	System defines different types of reports	Pass	Critical

CHAPTER 8

CONCLUSION

We can conclude that all types of usefulness that is required for the scattered working is provided within the system and is acknowledged with detailed attainment of the references. We have utilized the references and all types of models that are included within the system and are found that multi references of the workability are inclusive. Multi considerations that are required to be obtained are referenced in the system with multi behavioral working so the system is controlled and optimized with different types of environment setup. Multiple responses we have designed for undertaking the considerations of the proximity based on the clients and we found that all types of consolidations are properly elaborated.

All the elaborative references that can be acknowledged within the system is also associated with different working consolidation so at the same reference we have established multiple types of working which is helpful as the system can be used as a dominant reference for multiple types of operations. Main references that are provided in terms of business intelligence which is included is also quite important as it provides the users to have more directed working and even more reference of standards can be established.

When we have utilize the reports we found that it is more apprehended in terms of the design so any type of Differential information that was required to be generated can be also properly acknowledged with the help of the system which is helpful in terms of control. So at the end we can conclude that all types of workability and viewable references which are needed for a perfect control based on multiple client oriented activities can be generalized with the help of the system.

CHAPTER 9

FUTURE ENHANCEMENT

Enhancements dominations are the aspects that are required to be included in the future for which a proper analysis of preference is required to be designed and according to the new requirements that arises it should be fulfilled. Some important consideration selected as following -

In the system we can add more references of the movements related to the activities of the organizations so the system can be more collaboratively used.

We can also review more commodities onto the system so that more elaborated workability can be operational.

More advanced report substance with more automation and generations can be included.

CHAPTER 10

BIBLIOGRAPHY

Python.

Books.

Peterson and Benjamin (3 March 2019). "Python 2.7.16 released". Python Insider. "The Python Core Developers" Retrieved 4 March 2019.

"Starlark Language". Retrieved 25 May 2019.

Sites.

www.ece.iit.edu.

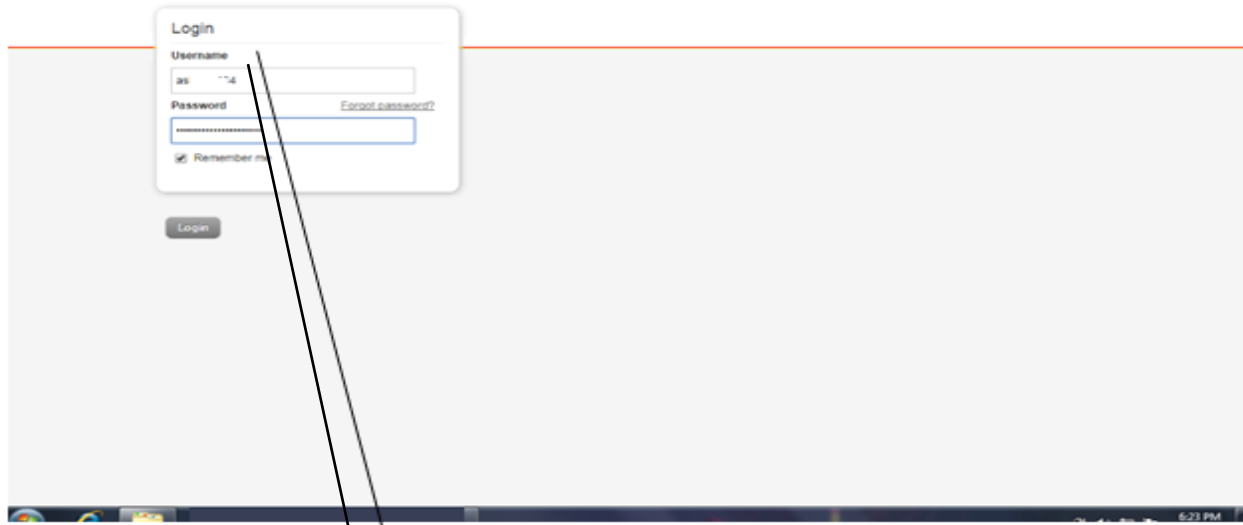
www.wikipedia.com .

[www.g00gle.com](http://www.google.com).

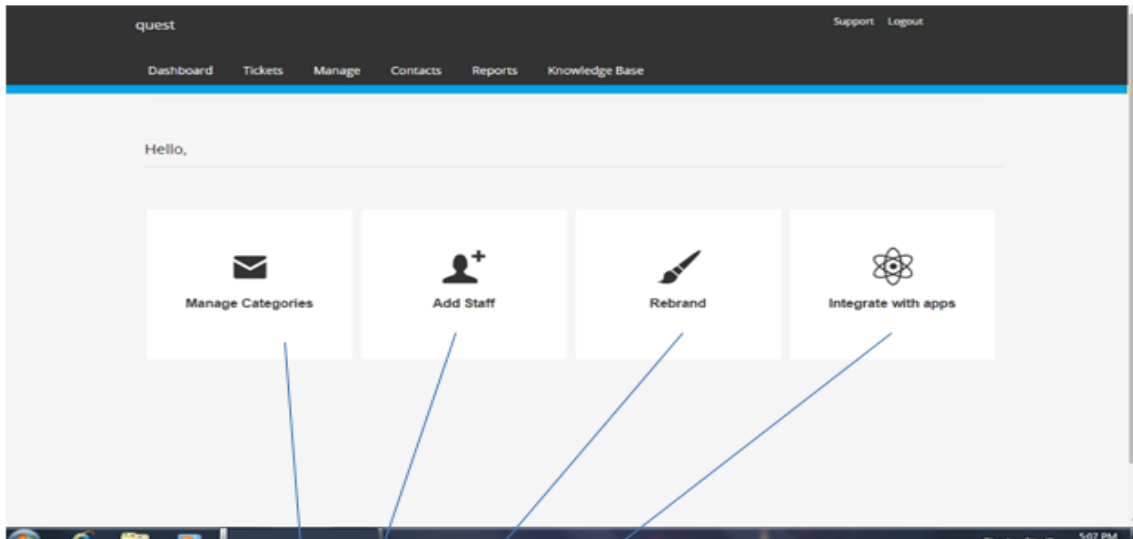
www.scribd.com .

CHAPTER 11

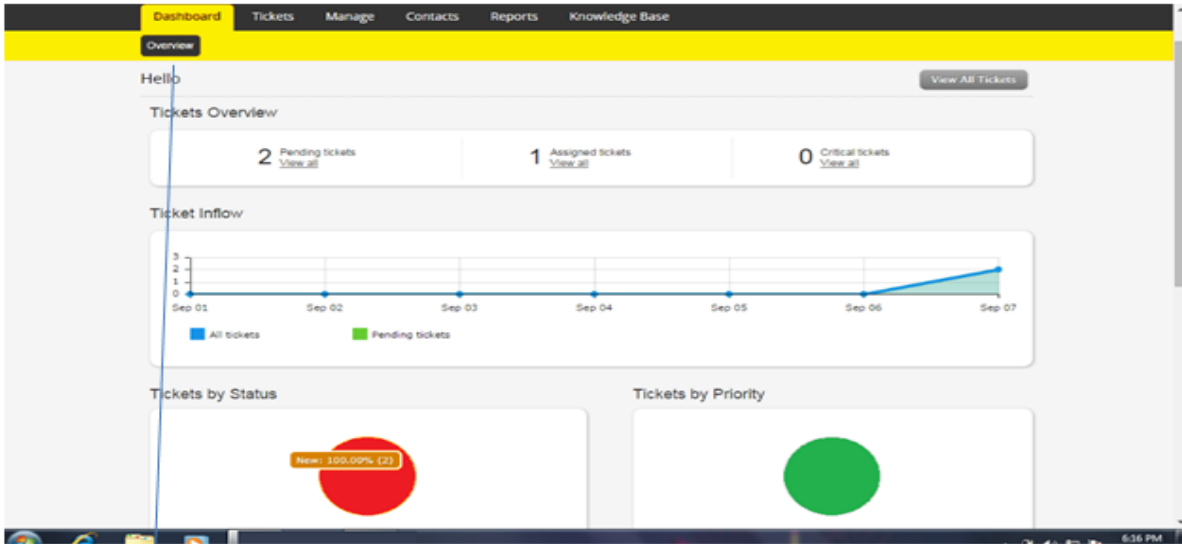
USER MANUAL



Admin login



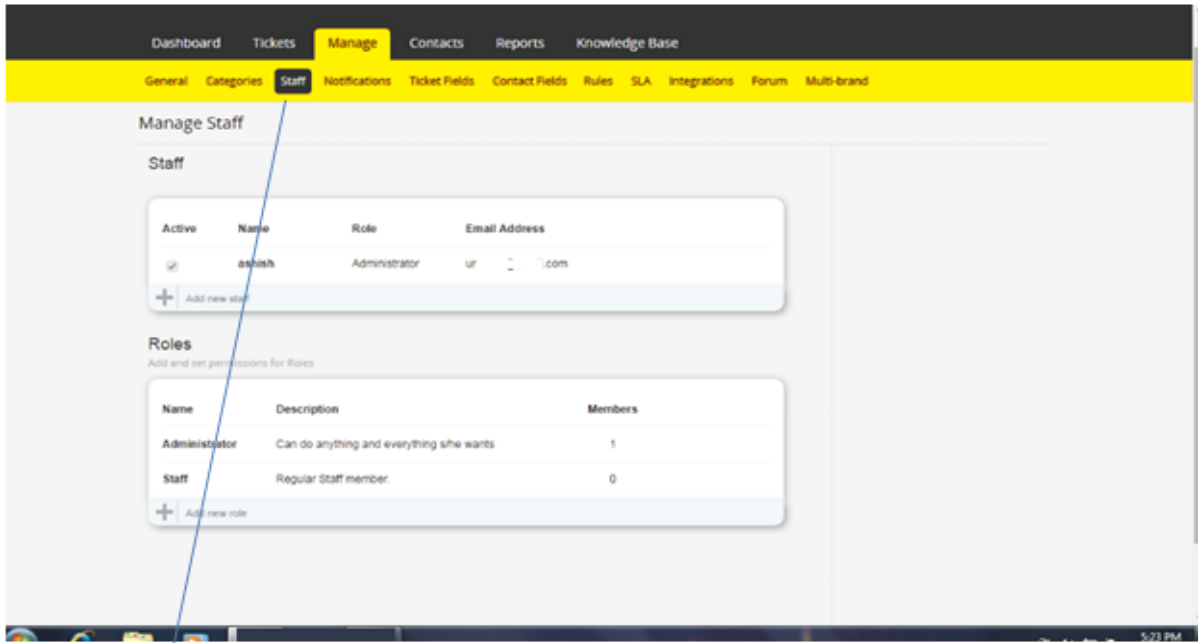
Different settings associated with working (add various working categories, users, view details and different working apps)



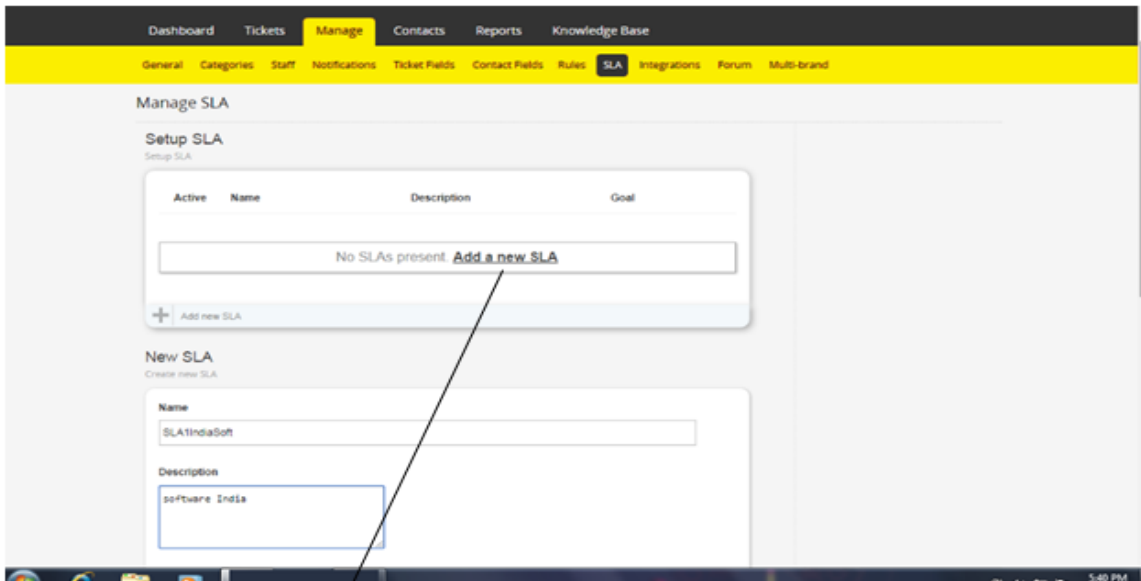
Working summary shown

The 'New Contact' form includes fields for 'Name' (client2) and 'Email Address' (client2@gmail.com). It has a checkbox for 'Email generated password to contact?' and a 'Phone Numbers' section with a dropdown set to 'mobile' and a '+91' field. At the bottom, there is an 'Add contact' button, a 'Reset' button, and a 'Cancel' button. Below the form is an 'All Groups' table with columns for Name, Description, # of contacts, and # of allowed categories. The table is empty, showing 'No Groups found' and an 'Add a new contact group' button. A black arrow points from the 'Add contact' button to the text below.

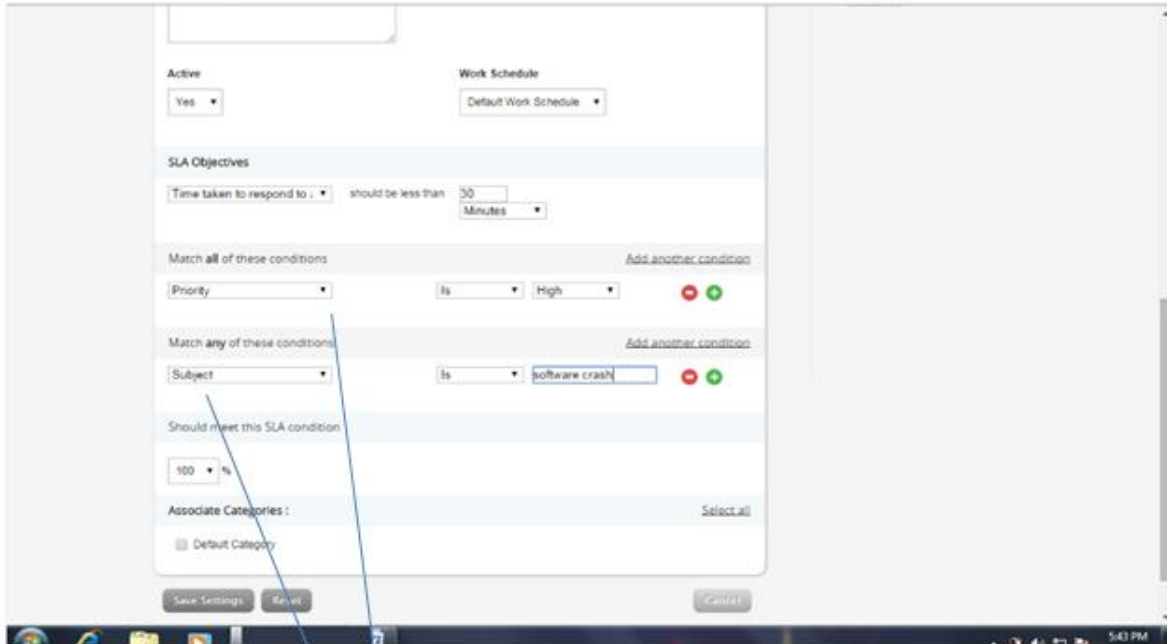
Screen shows to add the new contacts(groups can be defined)



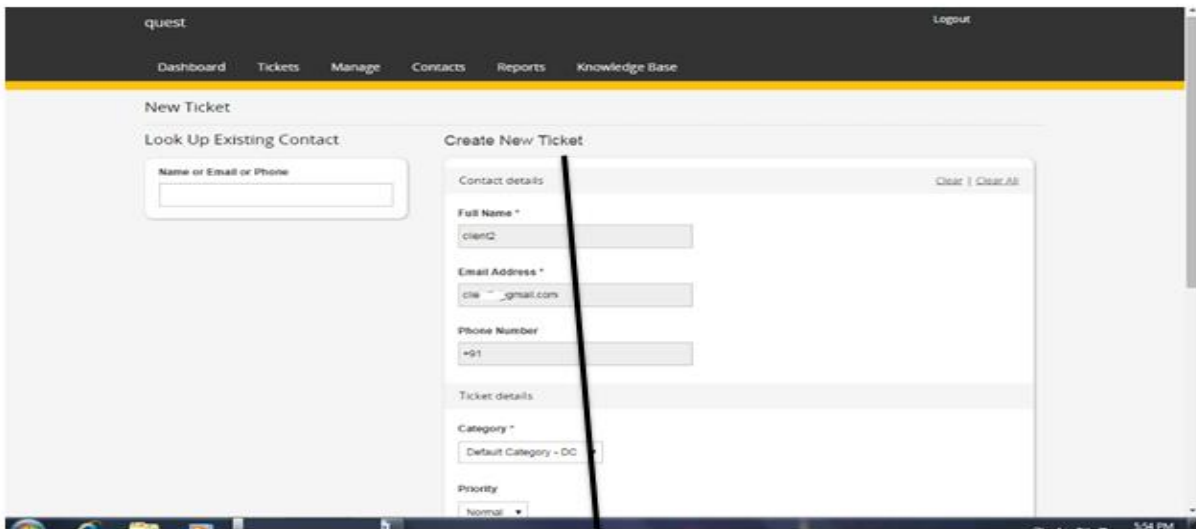
Adding the staff details(roles can be defined)



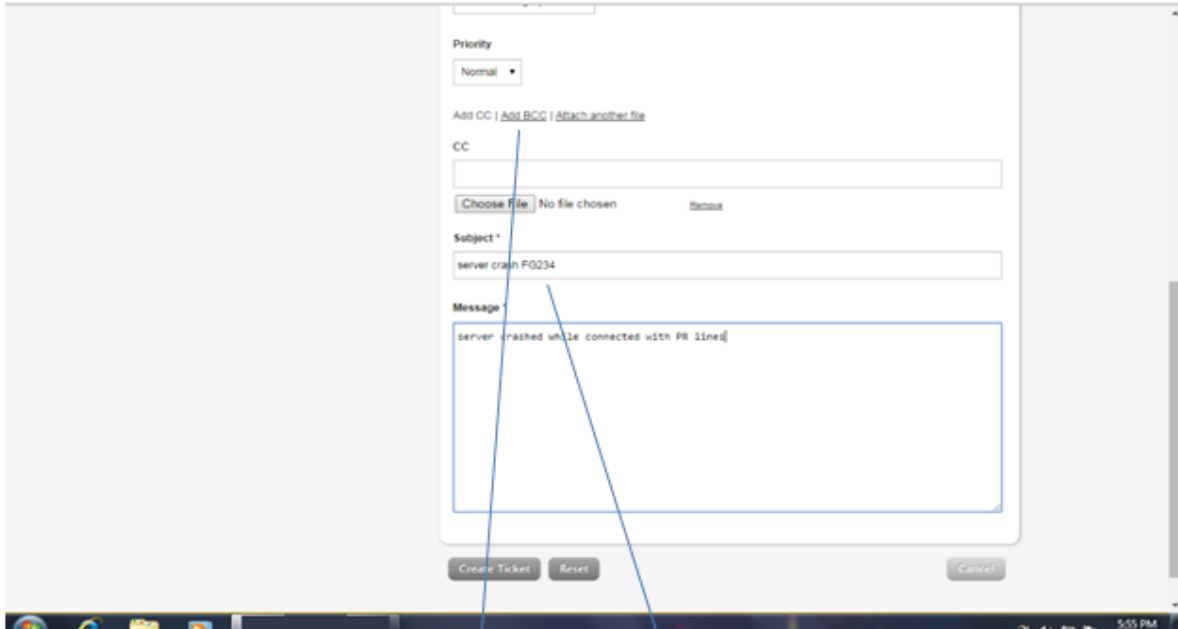
Making or adding automation rules-1



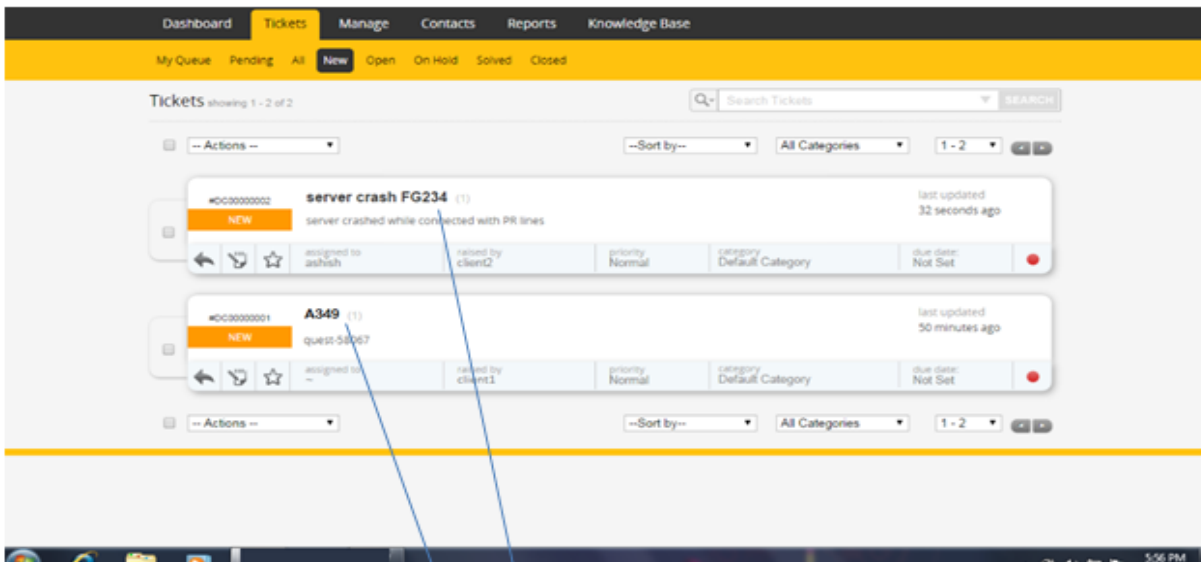
Making or adding automation rules-2(different conditions provided)



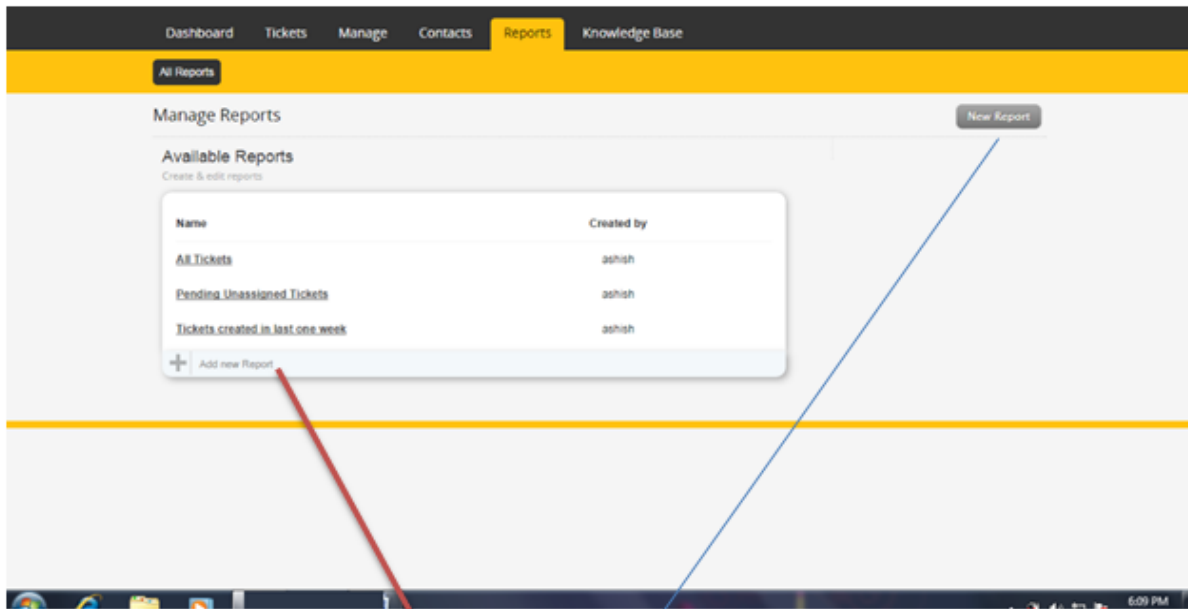
Manage tickets or problems-1(Admin adds the problems and details)



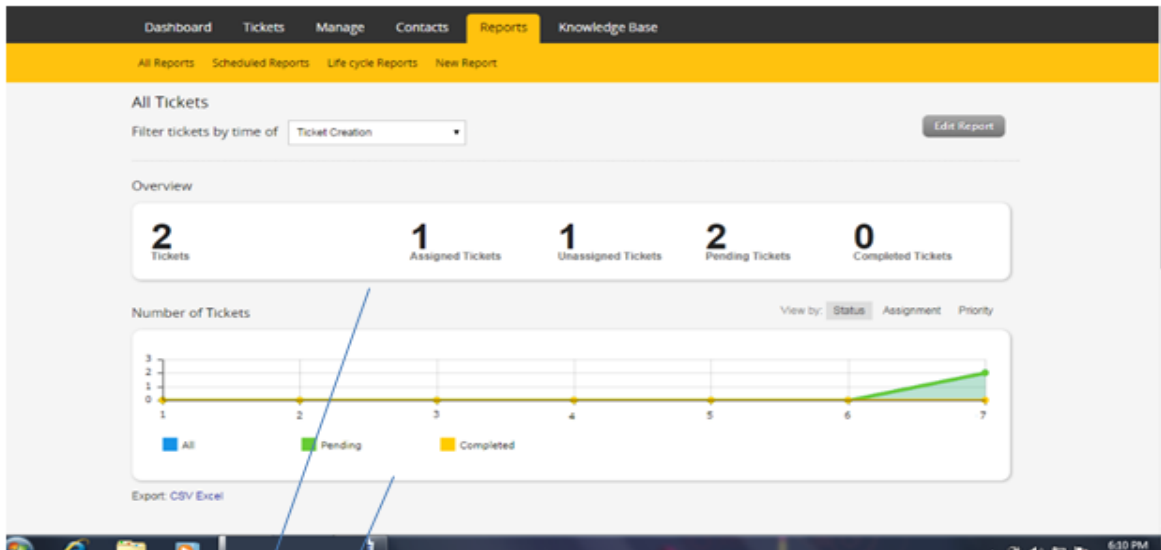
Manage tickets or problems-2(assigning the details, adding ticket subject)



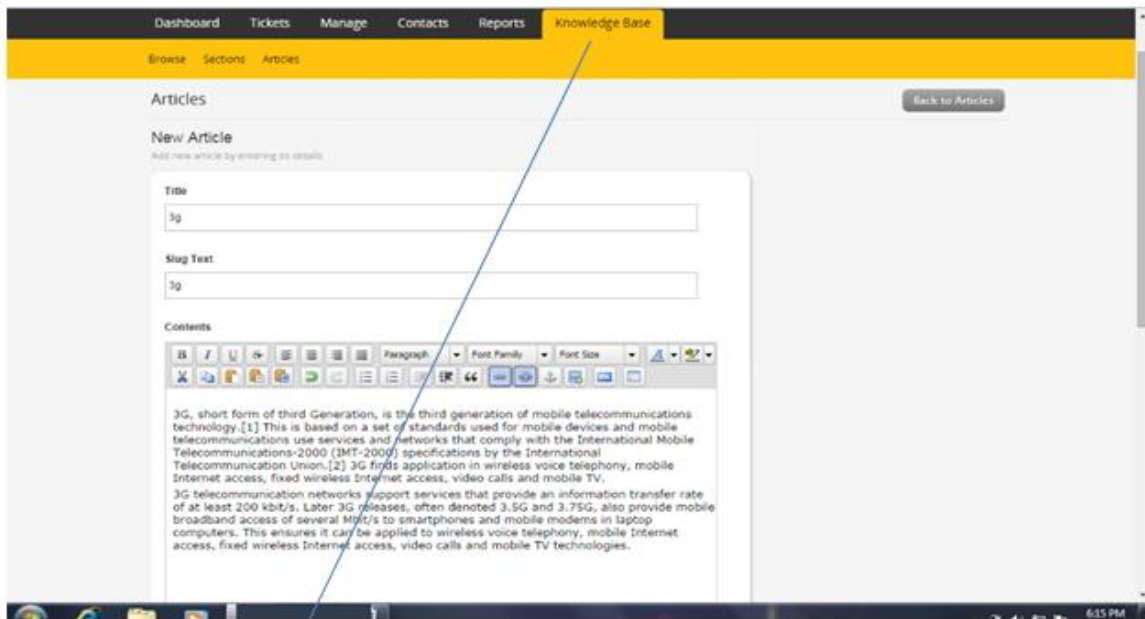
Different reference of problems generated is shown (all problems are defined at one place)



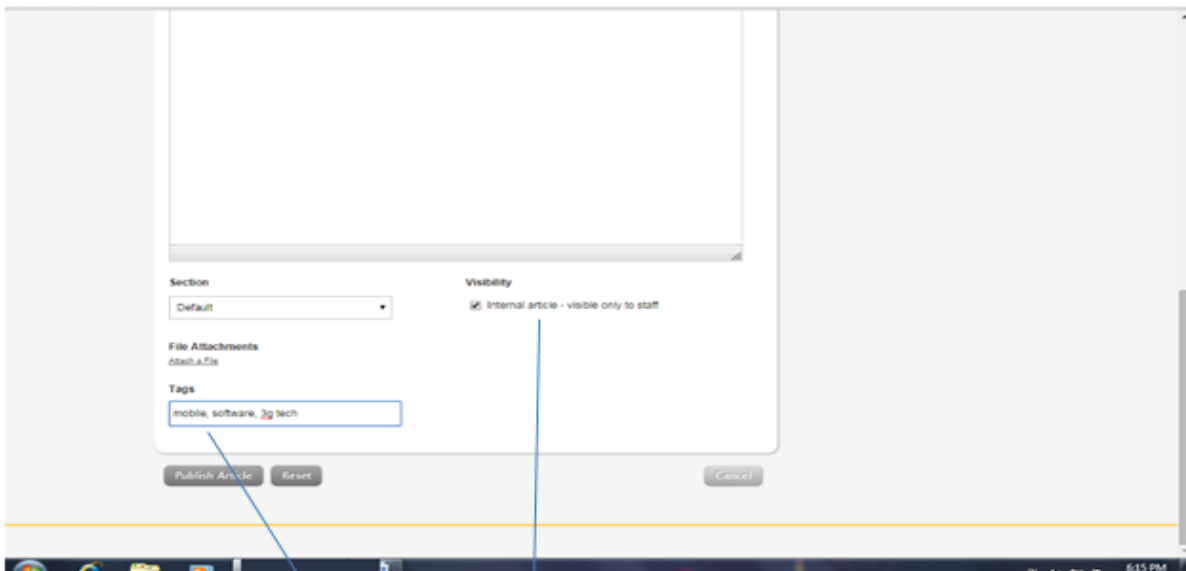
Reports for tracking (new reports can be generated)



Report generation with charts



Details of content generation-1



Details of content generation-2(for the visibility of the document different tags and visibility option has to be highlighted)