

1. INTRODUCTION

1.1 Project description

Scalable infrastructure helps the organization to manage various types of analytical activities, operational activities, and media-oriented activities on a larger scale with Global reference, the system is being designed in such a way that all types of global requirement for the organizations are not consolidated on a service platform. Multiple reference pages can be defined by the users and different types of authentications in permission rights can be set up for each page. As the pages are defined in multiple references it is easier for the organization to utilize the infrastructure for different types of consideration in parallel. Multiple types of referential acknowledgement of the users are also provided within the system which helps to elaborate the accessibility and with various types of hash algorithm and with different types of defining accessibility regulations proper control on the user access can be achieved.

Multiple teams can be regulated at the same time and these teams will be having individual rights to access the system and this will be done by the control panel which will be accessible only to the administrator. Each team and that will be performed within the system can also be defined with various types of backup system that will be directly integrated on a cloud platform so that any reference which is required for saving the data can be established. The system provides a distributed mechanism which will be helpful to control all perception work from a single system with different types of oriented guidelines according to the requirements.

As the companies are working on a larger scale they have to manage media channels so the system provides multiple media channel integrations with various types of API and guidelines collections so that with proper authorization they can be controlled. Multiple channel accessibility will also provide the flexibility to the organization as a multi activity related to the media can be now organized for example collaborations, business representation and other form of business extendibility activities. The system also provides analytical information which will be also based on rich site summary coding that will provide the users the required information related to the business plan perception.

Multiple other formats of information channelling is also provided within the system this provides the company's to acknowledge any type of information they require. Multiple types of information channelling will be helpful to get real-time information and this will be having a positive impact on the decision making of the organization utilizing the system.

So we can say that the system preferences which are provided can be utilized with various types of integrated environment design and in each environment various types of activity perception based on the requirements will be added for quick control in navigation.

Variation of the views are also supported within the system so that integrated view perceptions can be defined by the account holders so the system provides multiple types of custom display frame design. As the frame design options will be selected various types of guidelines will be provided and according to the individual reference the formats can be obtained and can be implemented this provides a proper working feel to the users as multiple pages are designed and will incorporate different types of users on a worldwide reference.

The system provides cloud application references where even the categories are associated for fast categorical browsing so we can say that when any domain organization will be using the system there will be having the flexibility of application browsing and control. The systematic steps are provided through the system to acknowledge which type of tool is required to be added in which reference page because the flexibility of integration is also required as the company holders will be having multiple types of pages for performing different activities. With the help of elaborated settings all types of cloud applications which are available can be properly incorporated within the system and the authentication to the team members and other users will be provided with subjective security.

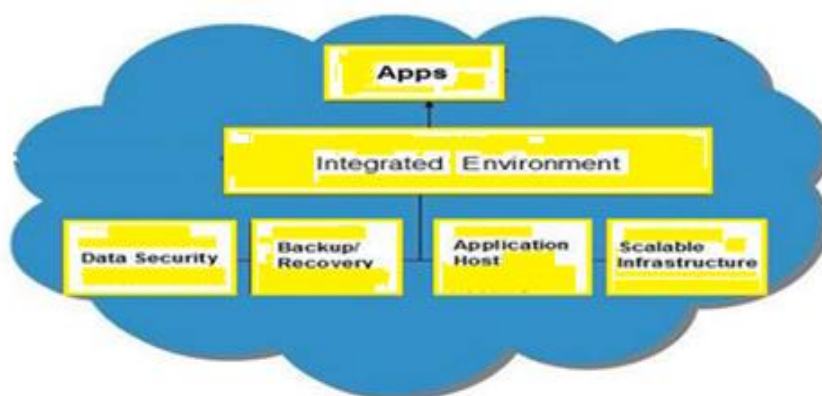


Figure-1.1: Integrated preference is shown

Parallel usability will be applicable and even the Global fog computing reference will be supported because multiple other organizational accounts are also required to be applicable at the same time. Unique instances that are provided by the system with collaborated working in reference to all information channelling and other types of media channel

references helps the organizations to extend their business with low investment which is very much helpful in the global scenario. The frame designs are provided in such a way that with the help of single interface the users can perform multiple activities for example the selection of cloud tools for the addition of multiple pages and other setting preferences making it more easier in reference to customization and workability.

1.2 Company profile



Formed in 2010 all the related operational innovative work administrations are given the different associations. The related ability will assist the customers with associating the need it incorporated work excellences as per the redid necessities concerning each customer related prerequisite investigation with related research procedure for execution is arranged so a very much characterized program point of view can be given. The whole innovative base is incorporated for the necessary advancement and examination as related view of the customer's prerequisite taken so that upgraded work administrations can be given.

The Global nearness and the required conceptualization usage to accomplish the objective will help the association the objective more customers. The organization gives various stage based business arrangements to the customers including various areas from account to the advancement associations with the goal that a working can be more improved in differential



working.

The main working choices in terms of the association is listed below-

Business Optimization

Monetary counselling

Online business stage outline

Application advancement

Facilitating arrangements

Portable application administration

Digitalization

Generation observing

Rebuilding exercises

Examination progressively will be embraced

2. LITERATURE SURVEY

2.1 Existing & Proposed system

2.1.1 Existing system

In the existing system the integrated infrastructure with multiple business needs are quite difficult to the organized because the preferences of structure design is too elaborated and requires lots of components to setup. As multiple components are required for the environment setup it is quite costly for the organizations and we have seen that major organizations in medium and smaller scale is facing lots of problem in reference to the Global preference working requirements and in terms of investments. In the existing system we do not have multiple parallel framework workability which makes the control quite difficult.

Some of the major problems that are being identified in the existing system are listed as following-

- Scalable infrastructure with centralized consolidated working is not supported in multiple preferences of the organizational requirements for example Analytics, collaboration, operation, security, user identification, media integrated working etc., show the companies are required to include various components and Infrastructures that are making it possible for them
- In the existing system even single Framework settings with multiple types of customized display orientation and activity selection is not supported and each type of operational preferences which are required has to be setup individually by the companies making it confusing
- In the existing system even the resources that are needed it's quite difficult in reference to the usage and accessibility control because different formats of tools and resources are needed for example cloud resources, network integration based resources etc.
- In the existing system the analytical perceptions which are quite important for processing the decision making statistics is also quite difficult because it will be based on real time information and the existing system retrieval of real-time information in different consideration is quite difficult
- The media integrated working is also quite important in the organizational extendibility but we have acknowledged that companies are also facing the problem

of centralized media reference workability because multiple channels are needed to be properly incorporated and secured in reference to the activities that has to be performed but it's quite difficult

- Data management and user reference is also quiet difficult in existing system because acknowledging multiple types of teams with different types of control and even managing different types of data security references requires lots of settings and control tools

2.1.2 Proposed system

In the proposed system all types of skeletal workability is supported and different types of parallel environment creation with the help of fog computing is supported which will be very much helpful because now the organization can have a centralized system in reference to perform Analytics, media integrated work abilities, operational preferences, security, data management etc. In the proposed system all the types of Framework settings and view is provided in such a way that it can be customized by the individual account holders making the system more useful and flexible. Incorporated references in the form of resources are also provided for better usability and performing different types of operations.

Some of the important considerations of the proposed system are listed as following-

- Scalable infrastructure to perform multiple types of activities with all required components are provided on a central system which can be customized and which can be used so this is very much helpful for the organization because now any type of research considerations or global activities which is required to be performed can be now consolidated
- Single Framework setting is provided with various types of display orientation so that multi activities and different types of operational control can be properly recognized. System provides multiple inbuilt formats of settings which can be directly implemented making it more useful for the consolidated working
- All the required resources can be easily accessed through the cloud application packages provided within the system and it is also provided in multiple categories for better access ability
- Analytical perception with real time consideration is provided and this will be used by the organizations to get the business data and it can be used for various types of

navigations and for decision making. Data replication are updated in real time which will be very much helpful because updated information is useful and provides better Insight

- Media integration is also supported and any type of flexible multimedia channel incorporation can be undertaken with the help of the system. All types of media integration security preferences are also properly acknowledged
- Data management and user references are also provided within the system with flexible settings so multiple teams can be added properly with different types of accessibility regulations and even various types of data backup and security mechanism can be also implied

2.2 Feasibility study

The implementation of the features and functions that are being decided in the proposed system requires the proper feasibility check because we can understand that all the projections which are being stated can be implemented in real time and we all types of required resources. All types of technical projections will be undertaken within the feasibility study and even we will discuss that how the related operations in real time will be managed then will be managed whereas we will also decide that how different types of references that are incorporated with the financial considerations will be organized.

Technical feasibility

Operational feasibility

Economic feasibility

Technical feasibility

Technical references are quite important to recognize because the system provides the fog computing provision which will be applicable for different types of account holders and in each account the provision of analytics and operations will be different

All types of channelings of the third-party media platform are needed to be recognized because it will be having more impact on the workability as integrated API connection are required to be provided with proper accessibility control

We will also define the type of tool references which can be channeled and how individual tools will be having the setting references for the accessibility and from the frame settings

View perceptions will be also identified and categorical view consideration will be provided



Figure-2.2.1: Shows the feasibility study

Operational feasibility

Operations are required to be handled so that clients should not have working problem so for doing this first integrated support channel is design where any type of problem faced by the client can be solved

Documentations will be also provided based on how the analytical reference is work within the system and how secure dashboards can be design for different types of activities so this will provide a detailed understandability

Operational preferences-based examples and real time training will be also conducted this will help the clients to get a in hand experience about the usage of the system

Economic feasibility

Channel integration and the required money for the vendor support will be calculated

Financial department will do wall types of activity

Multiple reports will be generated by the financial Department and it will be subject to approval

Subjected resources that are required for the money flow will be also identified.

2.3 Tools and technology



C#

C# licenses various types of irregular state tongues executable codes with Runtime condition as it is planned for fundamental language structure. It is moreover arranged with the section and even we can say it is a sorted out language.

Microsoft gives the accompanying advancement apparatuses to C# programming –

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

MYSQL

Customers are allowed to get to the data

Controls and portray the data in the information base

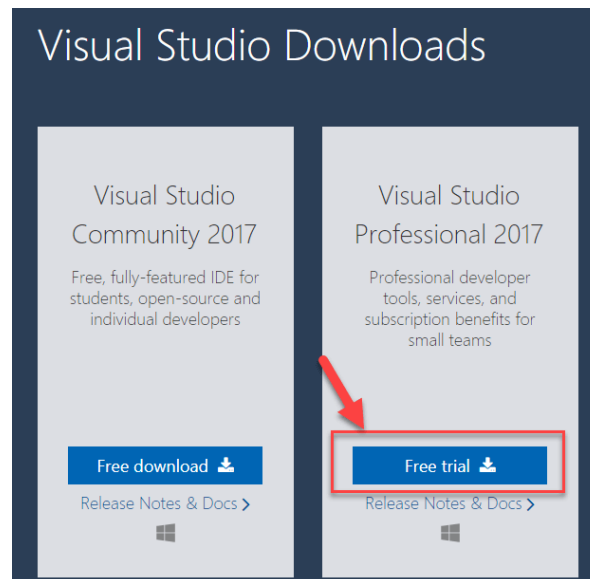
Supplement inside various vernaculars will be allowed

Different supports can be embarked to the connected approach points of view and tables

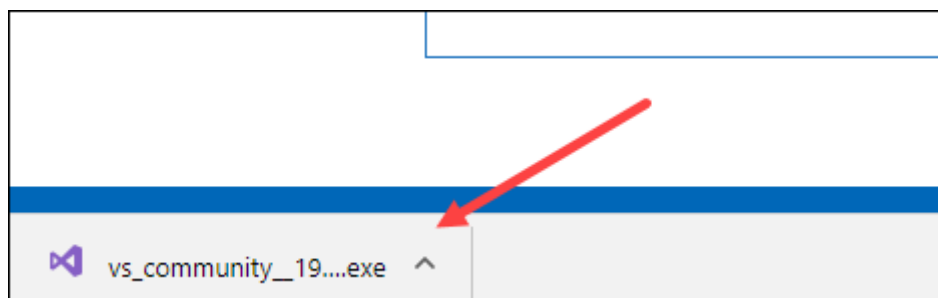
Grants creation and the fundamental social occasion of data set and tables

Install Visual studio

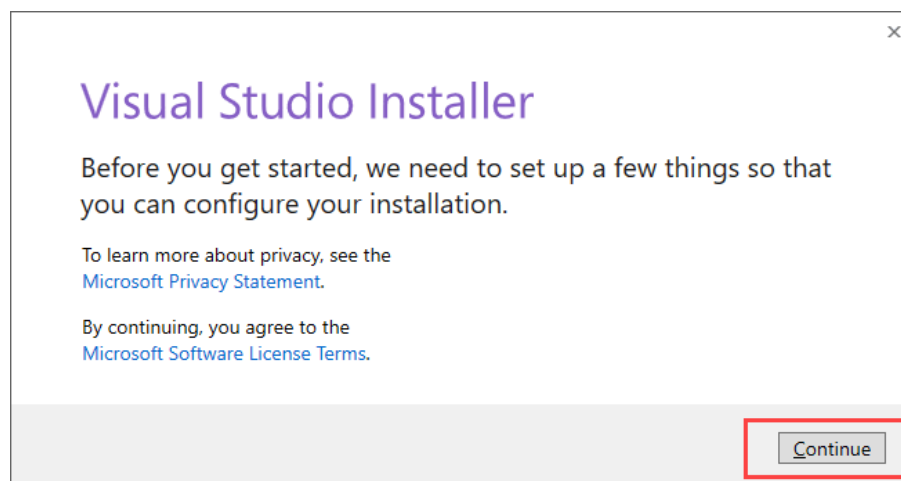
Step 1) <https://www.visualstudio.com/downloads/>



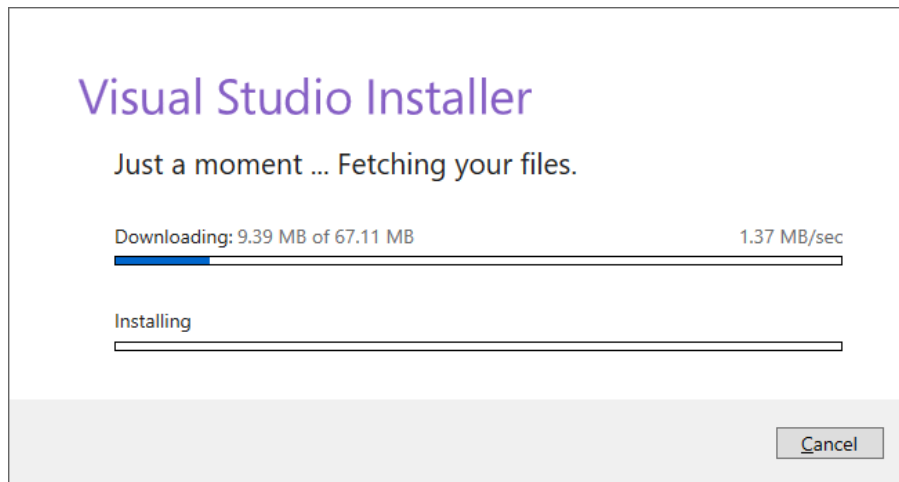
Step 2) Click on the downloaded exe file



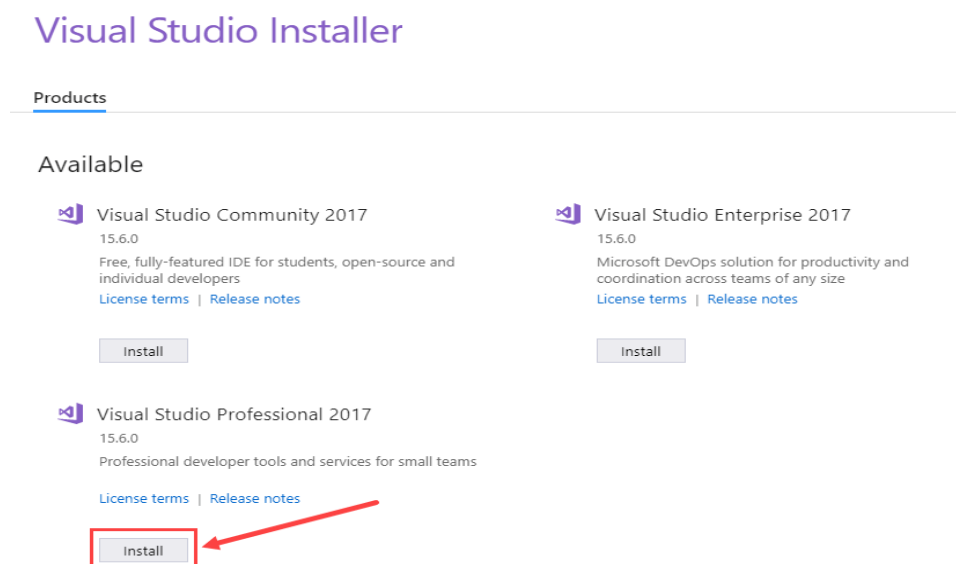
Step 3) In the next screen, click continue



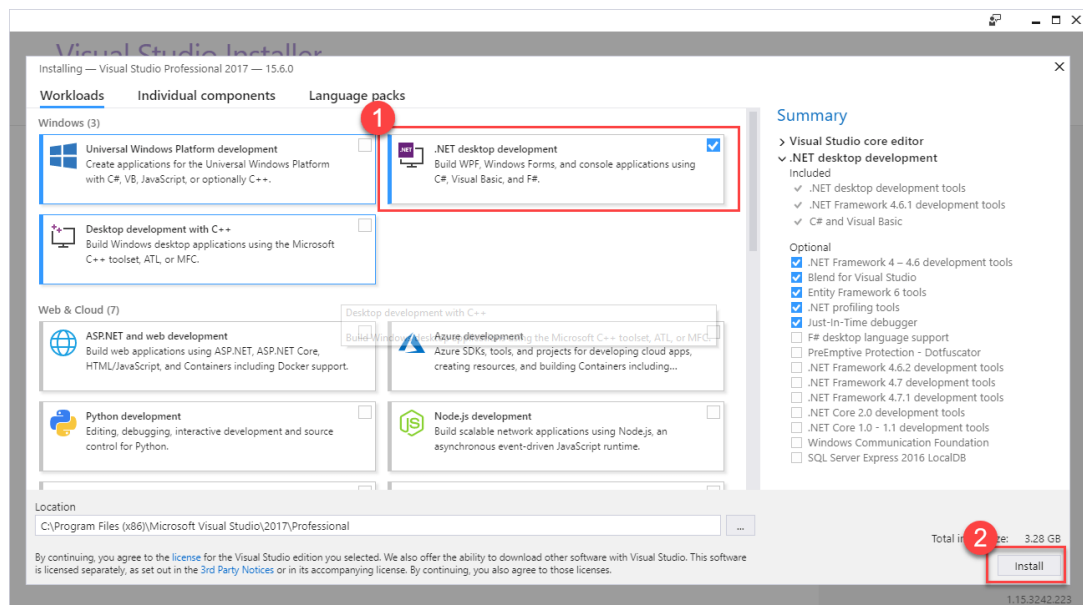
Step 4) downloading the initial files.



Step 5) In next screen, click install



Step 6) In next screen,




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

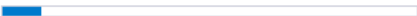
Step 7) download the relevant files


Visual Studio Installer

Products

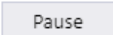

Installed

 **Visual Studio Professional 2017**

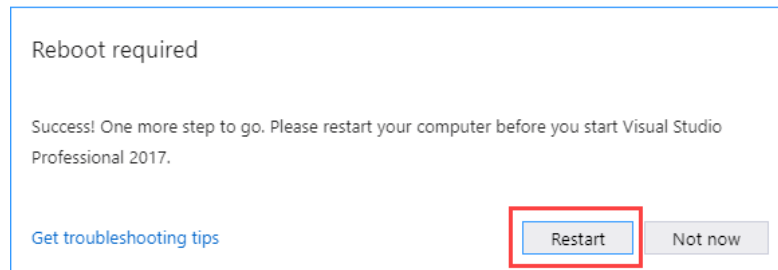
Downloading: 74 MB of 774 MB (2 MB/sec)
 9% 

Installing: package 25 of 243
 5% 

Microsoft.ServiceHub

  Start after installation

Step 8) Reboot the PC



Step 9) Post reboot, open the Visual Studio IDE

2.4 Hardware specification and Software requirements

Hardware requirements

Computer processor -4th generation Intel core i3

Clock speed -1.7 GHz

Hard Disk -500 GB

Space RAM -4 GB

Software requirements

Operating System: Windows

Sql server 2014/Oracle: To maintain database

Cloud service integration- Amazon S3 or EC2

Visual studio 2019: To handle C# code

NET Framework 4.7.1: To handle environment

3. SOFTWARE REQUIREMENT SPECIFICATION

3.1 Users

3.1.1 Administrator

For the scalable infrastructure sectors we require that one authorized user should be assigned with the settings and accessibility so first the administrator is added. As the administrator is added all types of subjective structuring can be promoted and can be properly established with various types of guidelines.

3.1.2 Associates

Multiple wizards and multiple pages will be designed and each pages are required to be incorporated with various types of team members for performing different activities which will be done with the use of setup, as the users are added they will be having the accessibility to a particular page only and the defined resources for them will be accessible to them for performing the operation.

3.1.3 Scope and objective

The scope of the system is that by incorporating different types of wizards the users can have multiple operations conducted at the same time and this will be helpful for the organizations those who want multiple types of business projections on a global scale and to organize different types of workability so eventually it can be used by multiple organizations worldwide

The main objective of the system is to consolidate single frame workability with all types of scalable references and all types of fog computing support. Everything is established in a consolidated manner it is flexible and it is more navigational.

3.1.4 Problem statement

Providing multiple frame status is quite difficult because integrated view for every page will be set up by different users in different ways

Providing various types of cloud references of resources is also quite difficult because again the requirement settings will be different for different types of clients

Provided objectives of the settings related to the analytics is also quite difficult because various types of projected data is required to be fetched by different types of clients

3.2 Functional requirements

We will understand the requirements individually and this will be done with the help of functional requirement documentation where we will add all types of triggers and we will see how the processing will be done by the system and which type of outputs are needed to be displayed by the system

View designs

| | |
|---------------|--|
| Use Case Name | view designs |
| Trigger | Settings |
| Precondition | Admin access required |
| Process | <p>Frame view designs and applicability of different types of environment is very much important and this is done with elaborated settings which are provided by the system. Multiple types of options of the view reference in multi category can be obtained for example the Logos references and other color preferences can be changed whereas even the frame name and space definitions will be added.</p> <p>Each frame design comes with settings that have to be elaborated by the administrator and accordingly the pages will be saved for the working. User incorporation for</p> |

| | |
|----------------|--|
| | particular page is also required to be added so that multiuser can access the particular page. |
| Post-condition | Channels added |

Knowledge analytic

| | |
|----------------|---|
| Use Case Name | Knowledge analytic |
| Trigger | Settings and inputs |
| Precondition | Authentication needed |
| Process | <p>Knowledge analytic can we add the help of different types of methods which are provided, when any method is selected different types of incorporated Information retrieval will be provided to the users which will be substantial.</p> <p>The system will acknowledge the information according to the requirements and preferences which are added and based on which multi directed platforms will be utilized to get the information. Multiple subjects will be added and accordingly the information will be retrieved.</p> |
| Post-condition | Data reports provided |

Media channels

| | |
|----------------|---|
| Use Case Name | Media channels |
| Trigger | Settings |
| Precondition | Authentication needed |
| Process | <p>Media channels are also integrated within the system with the help of acknowledge settings and this will be used for business collaboration activities. Elaboration activities with multiple types of media channels at the same time is also supported with the help of the system as when the frames are designed even if required multiple media channels can be added in each channel can be managed with individual settings.</p> <p>API tokens are incorporated within the system to provide the security and real-time inform collaboration is supported.</p> |
| Post-condition | Various channels can be used |

Components

| | |
|---------------|--|
| Use Case Name | components |
| Trigger | Settings |
| Precondition | Authentication required |
| Process | Operational transformation is also supported with the help of the frames that are being added and this will be done in |

| | |
|----------------|---|
| | <p>such a way that multiple types of parallel in Operation support is provided.</p> <p>The incorporation of the components for different types of operations is also applicable and this will be done with the help of categorical application collection. Multiple types of selection based categories are provided and according to the choice the identification of the tools can be done and it can be added for the usability. Individual settings are also provided for individual tools that will be utilized.</p> |
| Post-condition | Different operations performed |

Backup system

| | |
|---------------|--|
| Use Case Name | Backup system |
| Trigger | Settings |
| Precondition | Admin control is required |
| Process | <p>Backup system reference is very much important because lots of data has generated and for managing the data properly the system is being associated with various cloud backup provisional settings, it is up to the administrator to channel each individual wizard and frames to a particular cloud repository another real time the synchronize data updating for the</p> |

| | |
|----------------|---|
| | <p>backups will be considered by the system.</p> <p>Multiple types of data accessibility security are also provided which helps to manage the data accessibility.</p> |
| Post-condition | Subjects of security and backup added |

3.3 Non-functional requirements

Nonfunctional requirements will help to process the workability properly in the real-time, clients will be having flexible usage of the system so we have to consider that proper documents are there for the users to understand the concept, scalability is provided to manage multiple projects, security is established with multiple objective etc.

3.3.2 Scalable

As we have acknowledged that system will be used for media integrated working and different types of operational preferences where is even analytics is used we require that system can handle large set of data The Reason by the system is being designed for providing proper scalability to the users so that they should not have problem in reference to adding different types of projects

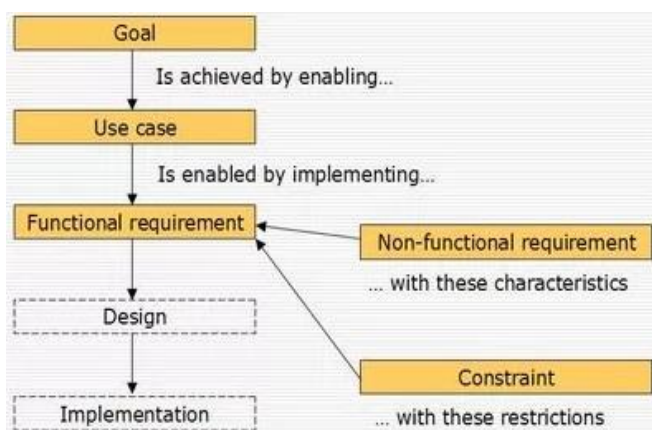


Figure-

Descriptive requirements understanding is provided

3.3.3 Documentation

Details about how the frame view status for different types of workability has to be designed will be provided with the documentation and whereas individual components that are provided for the usage will be also collaborated under the documentation. The benefit of providing the documentation is understandability so real time examples are needed to be established

3.3.4 Security

Security settings are provided in individual pages so that proper defining of the users can be provided. Even the pages that are being designed come with individual settings for the data security and for the backup provision that are required to be acknowledged. Encryptions will be also used for the media incorporated working this will help to safeguard the data at the time of transfer.

3.3.5 Legal

System is based on service user should have the knowledge about the provisional usage so for this we will be writing different types of clauses that will help the users to understand the legal proceedings of the system

3.3.6 Interoperation

The operations can be defined according to the requirements for which the spaces are defined and in parallel the analytics and other media references activities can be performed. As the system provides inter operations it is easier to acknowledge the task and it will be very much cost effective for the organizations using it.

4. SYSTEM DESIGN

4.1 SYSYTEM PERSPECTIVE

It provides a layout of the system which includes principles elements and materials

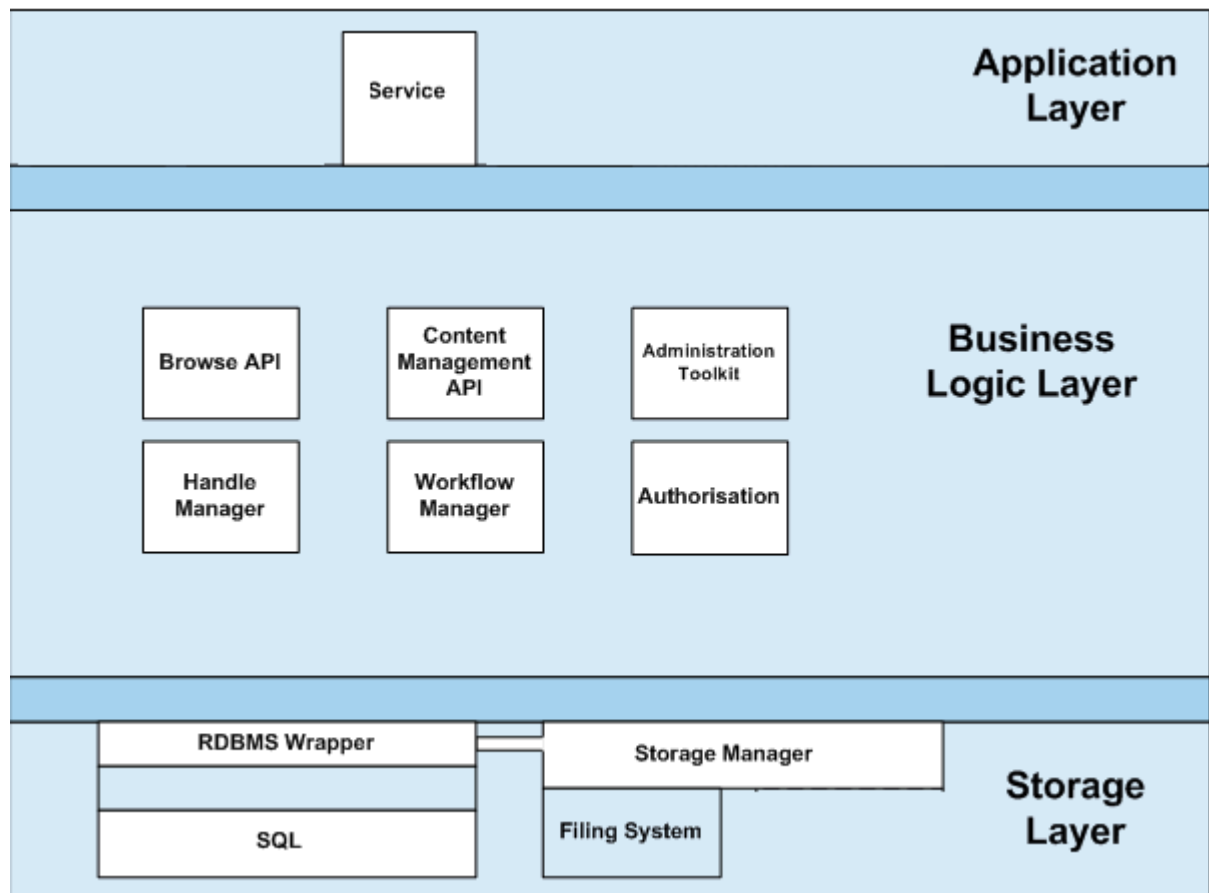
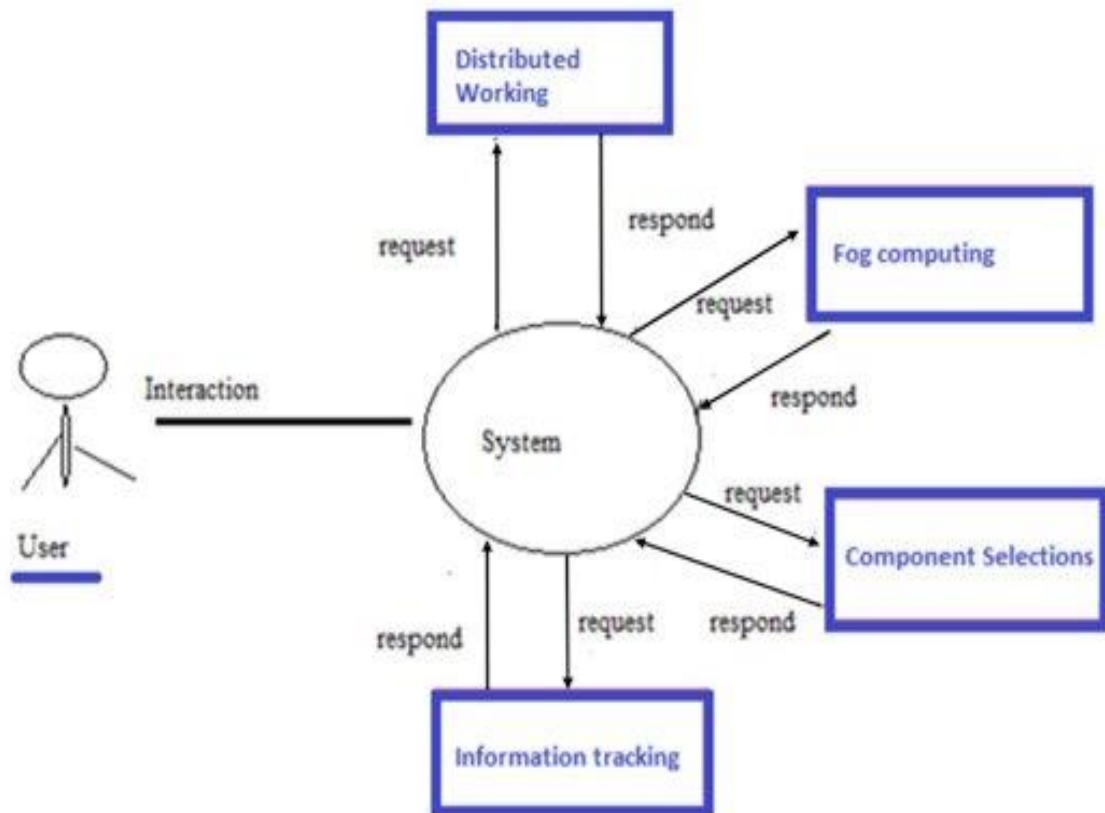


Fig -4.1.1: Architecture diagram

4.2 Context diagram

Context diagram is a high level view of a where the system external entities are being defined



Data flow diagrams

The visualization of the information flow within the system can be designed

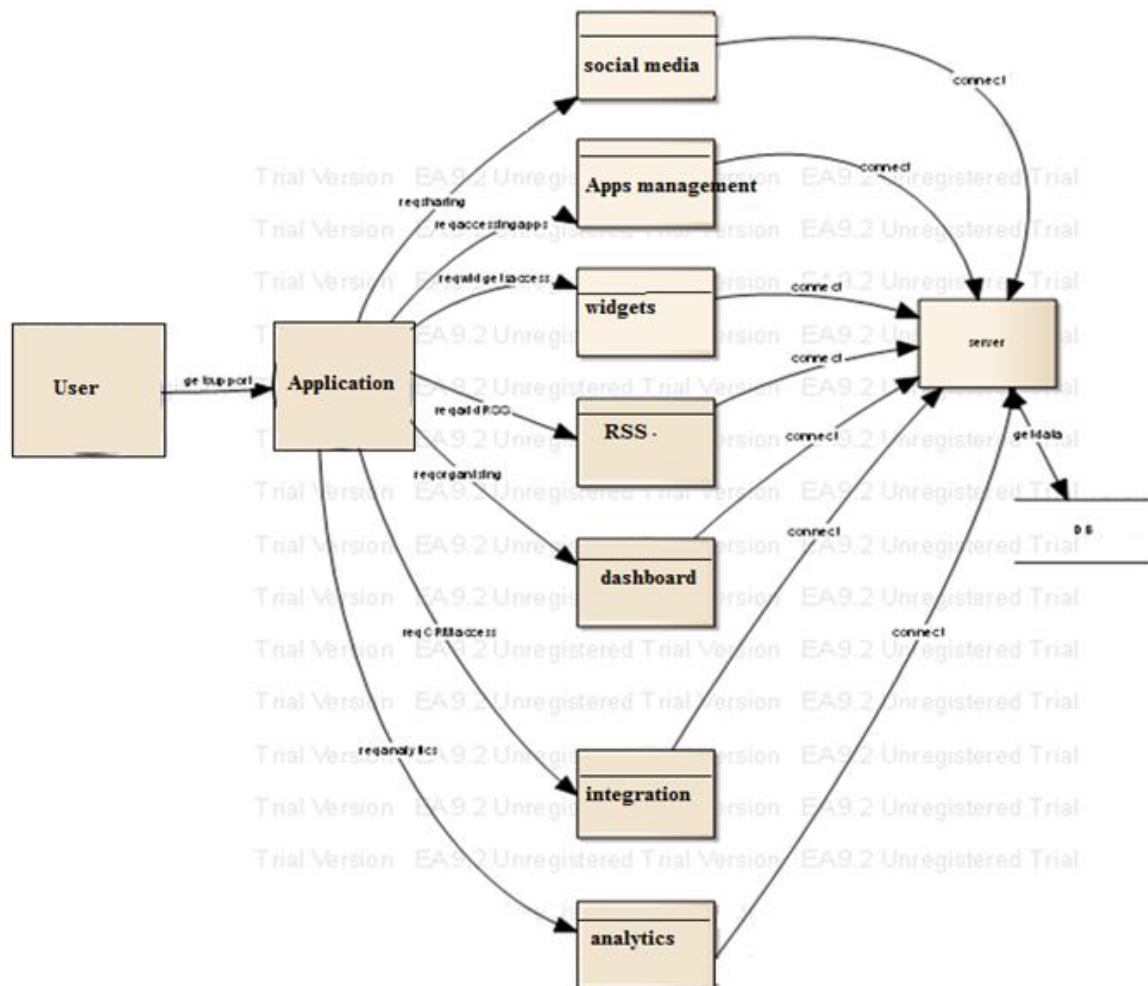
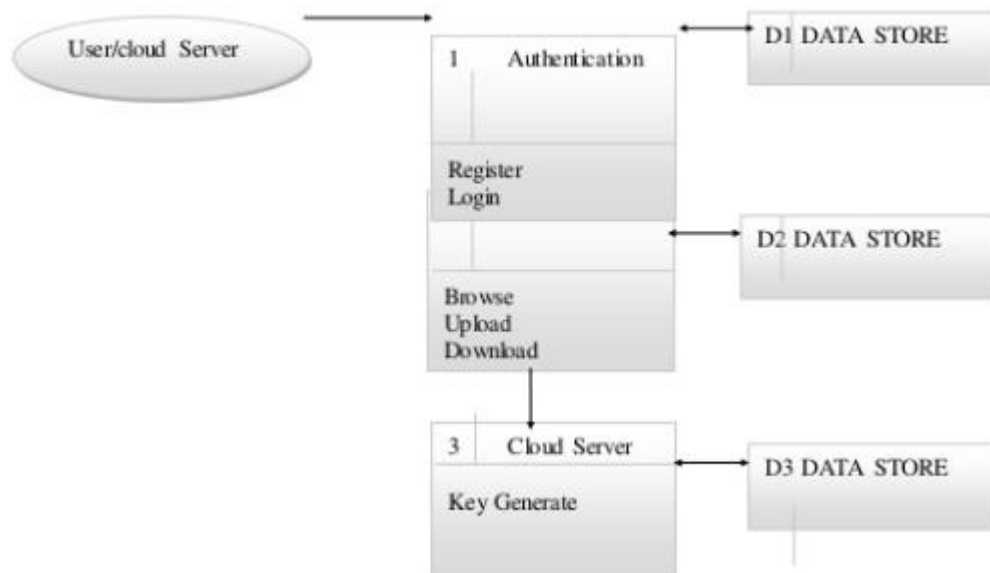
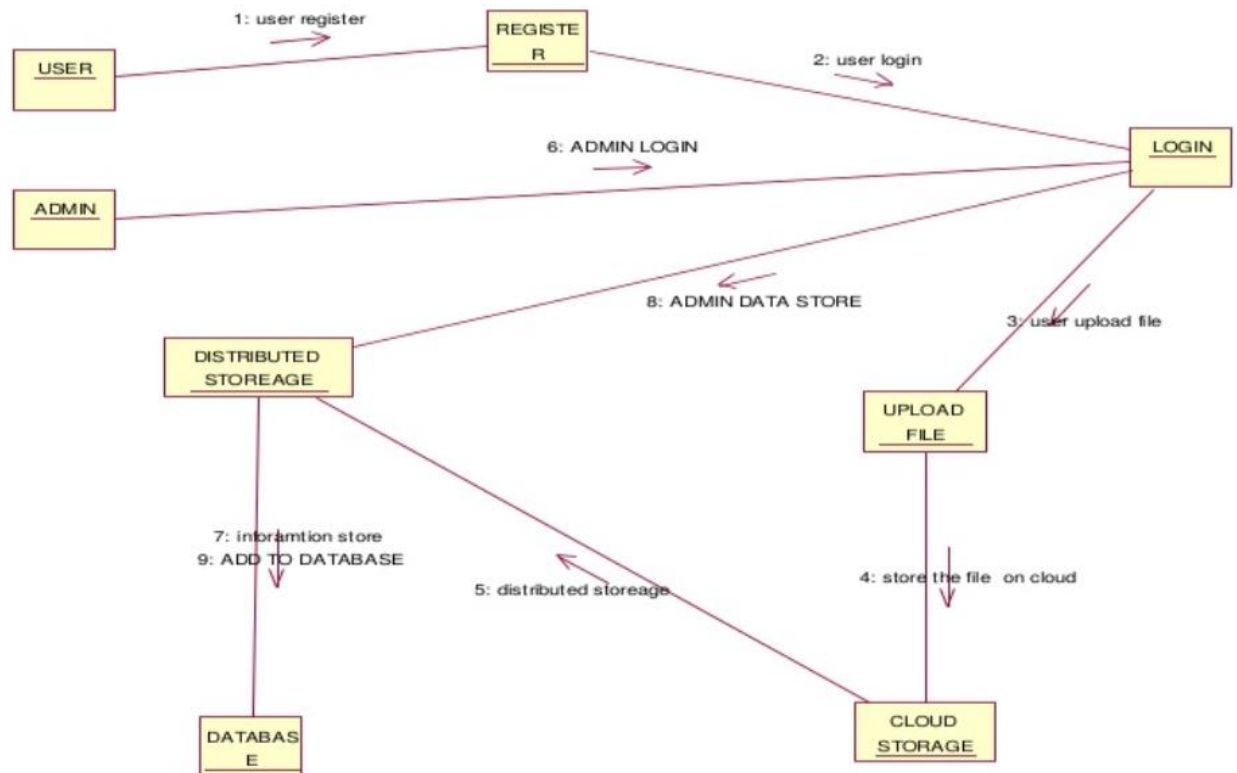


Fig- 4.2.1: Level 1 DFD



DFD for storage



Collaboration diagram

5. DETAILED DESIGN

5.1 Use case diagram

Use case diagram helps to capture the dynamic aspect of the system

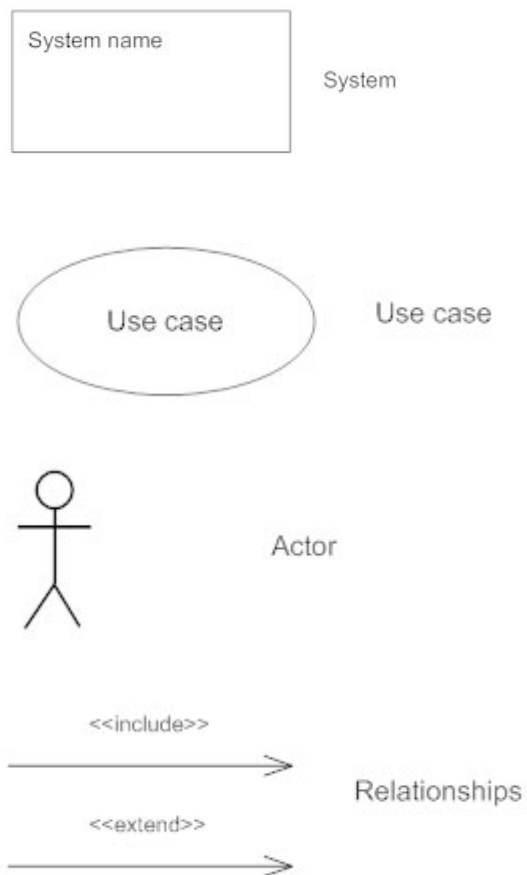


Fig- 5.1.1: Use case symbols

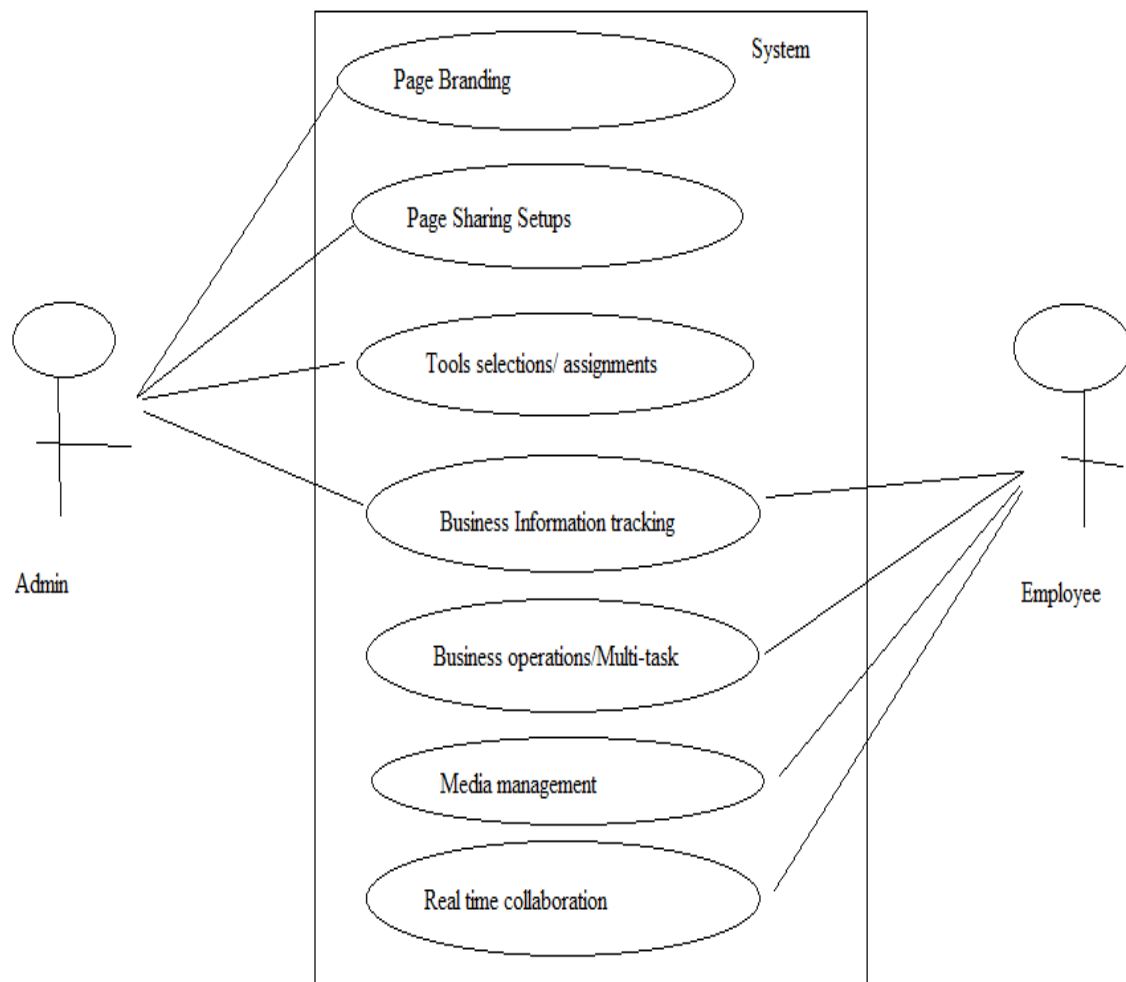


Fig- 5.1.2: Use case diagram

5.2 Sequence diagram

Designed to understand the messages exchanged between different objects or processes

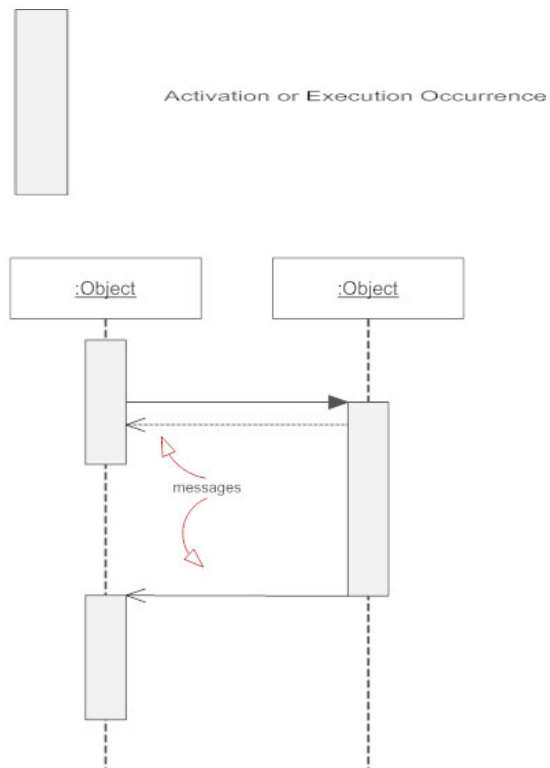
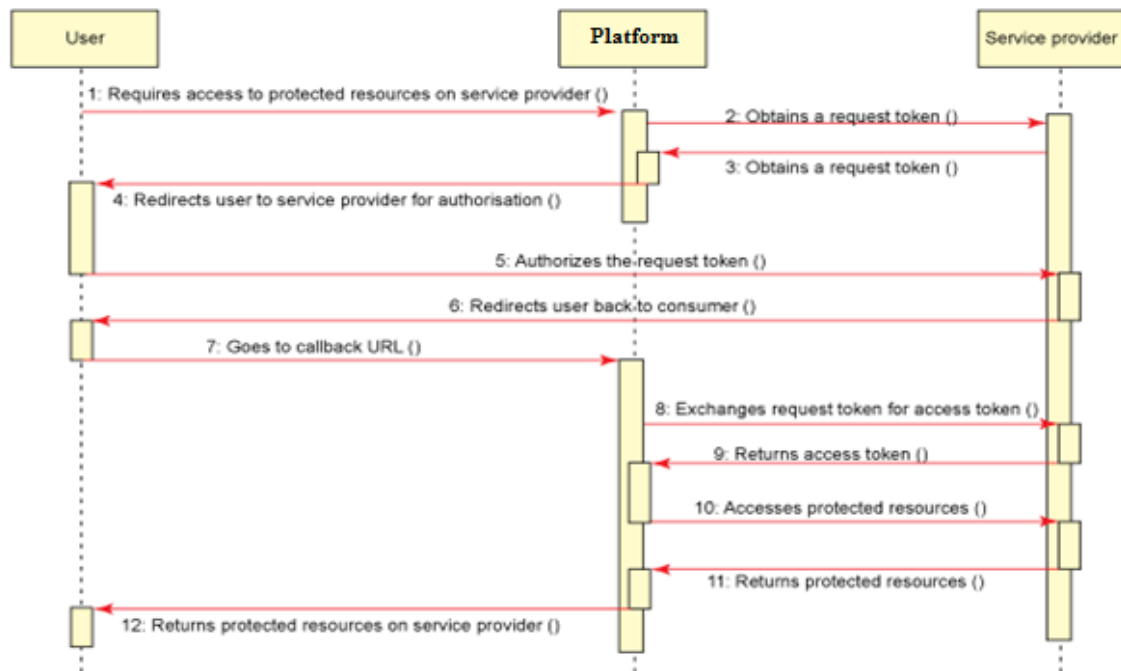
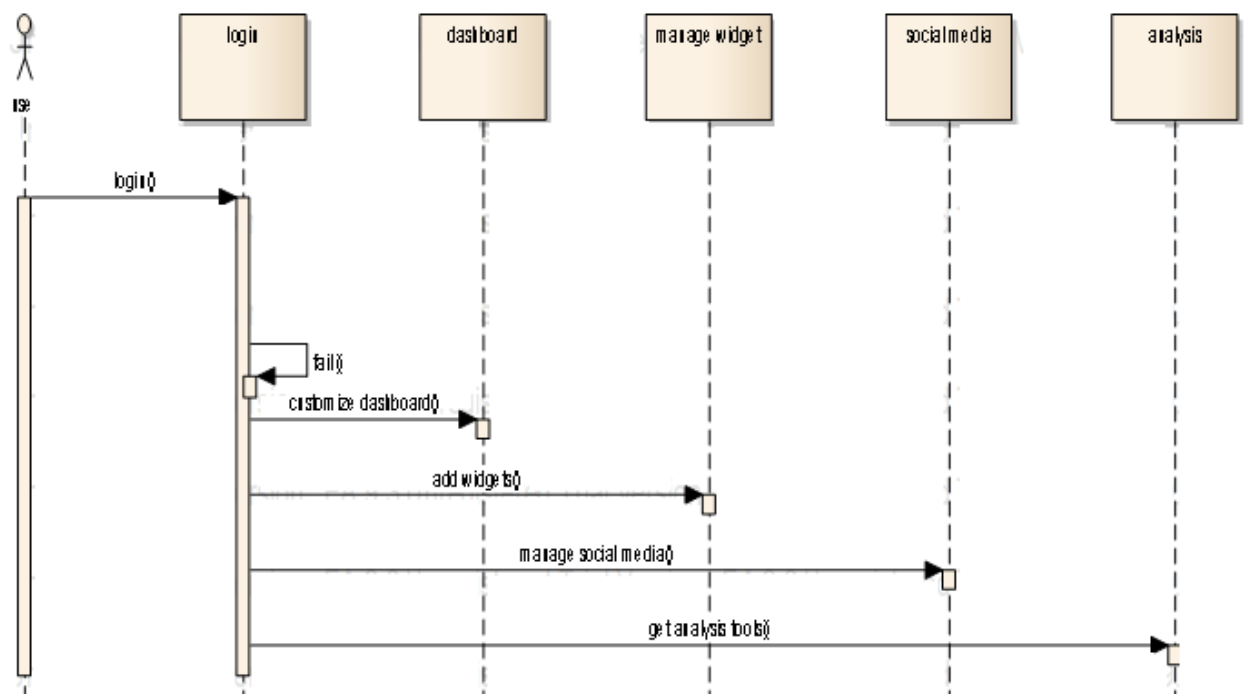


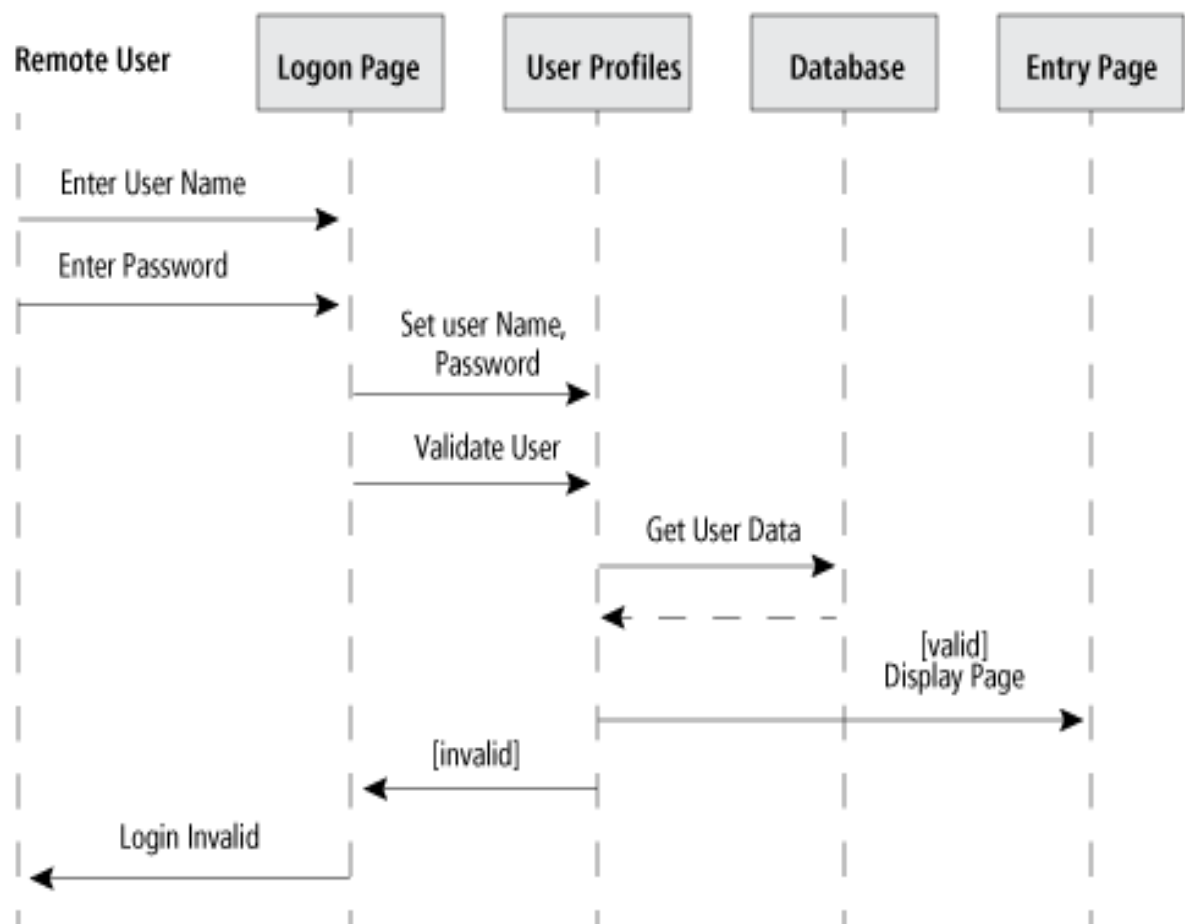
Fig – 5.2.1: Sequence diagram symbols



Sequence diagram

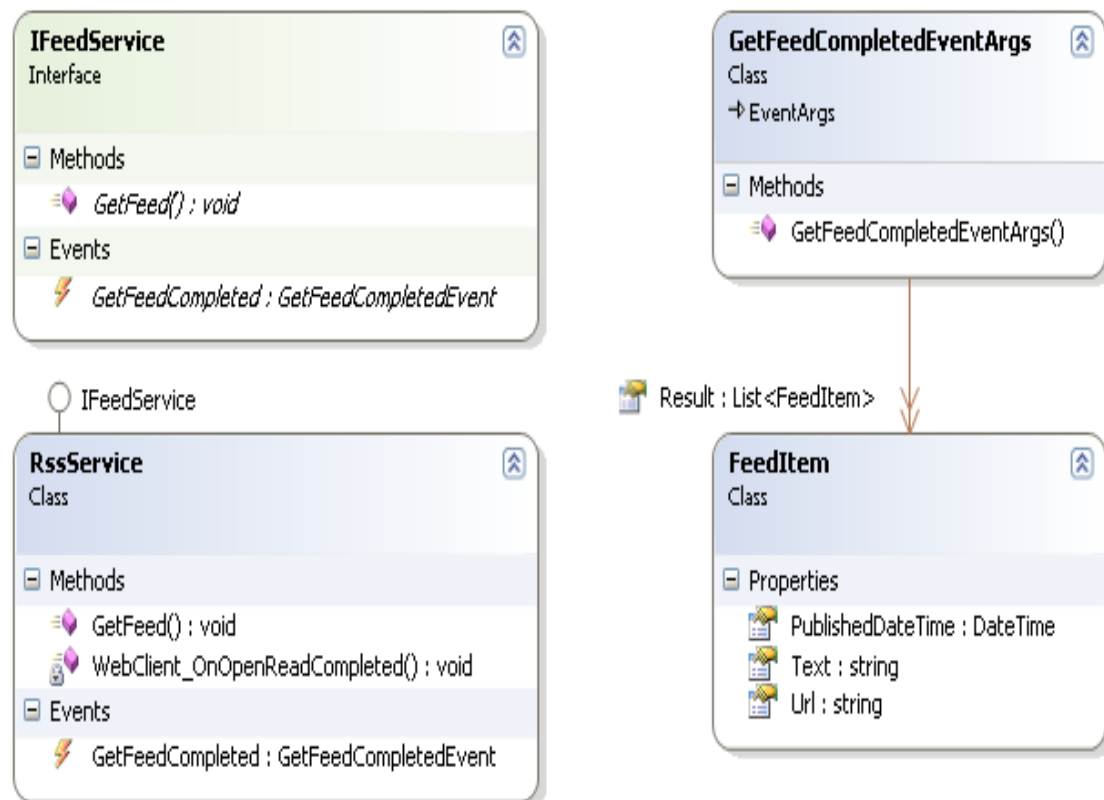


Overall sequence diagram

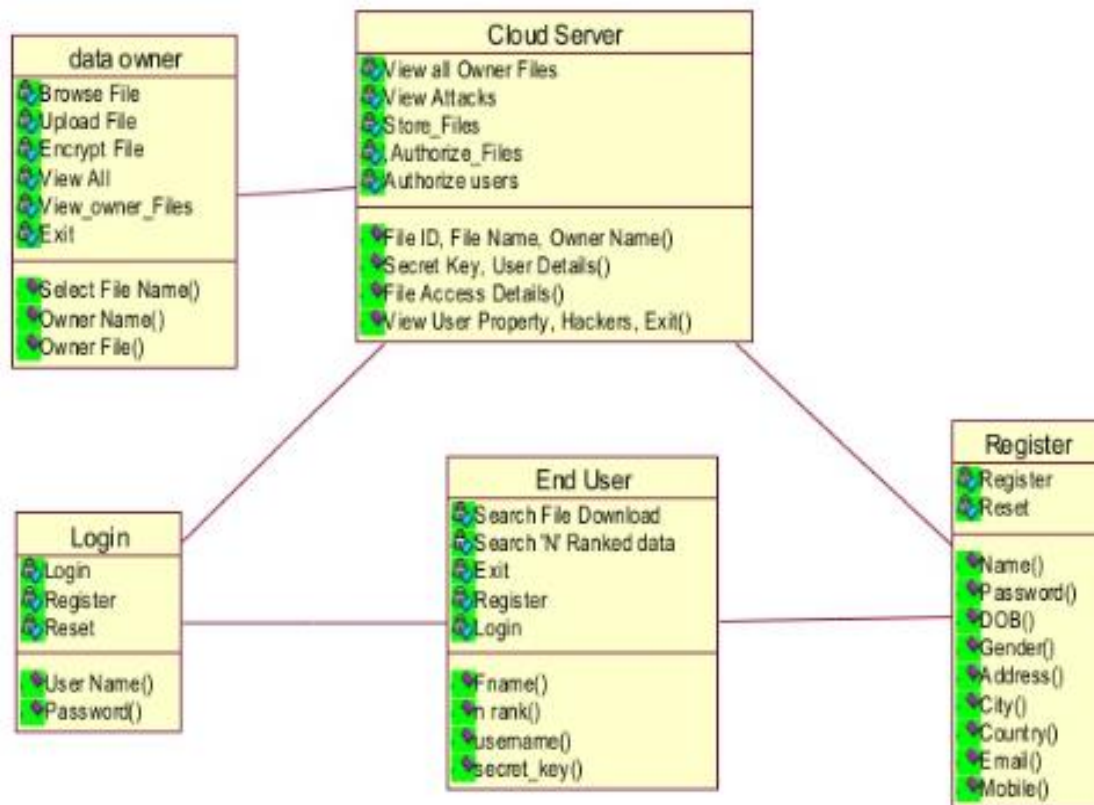


Sequence diagram

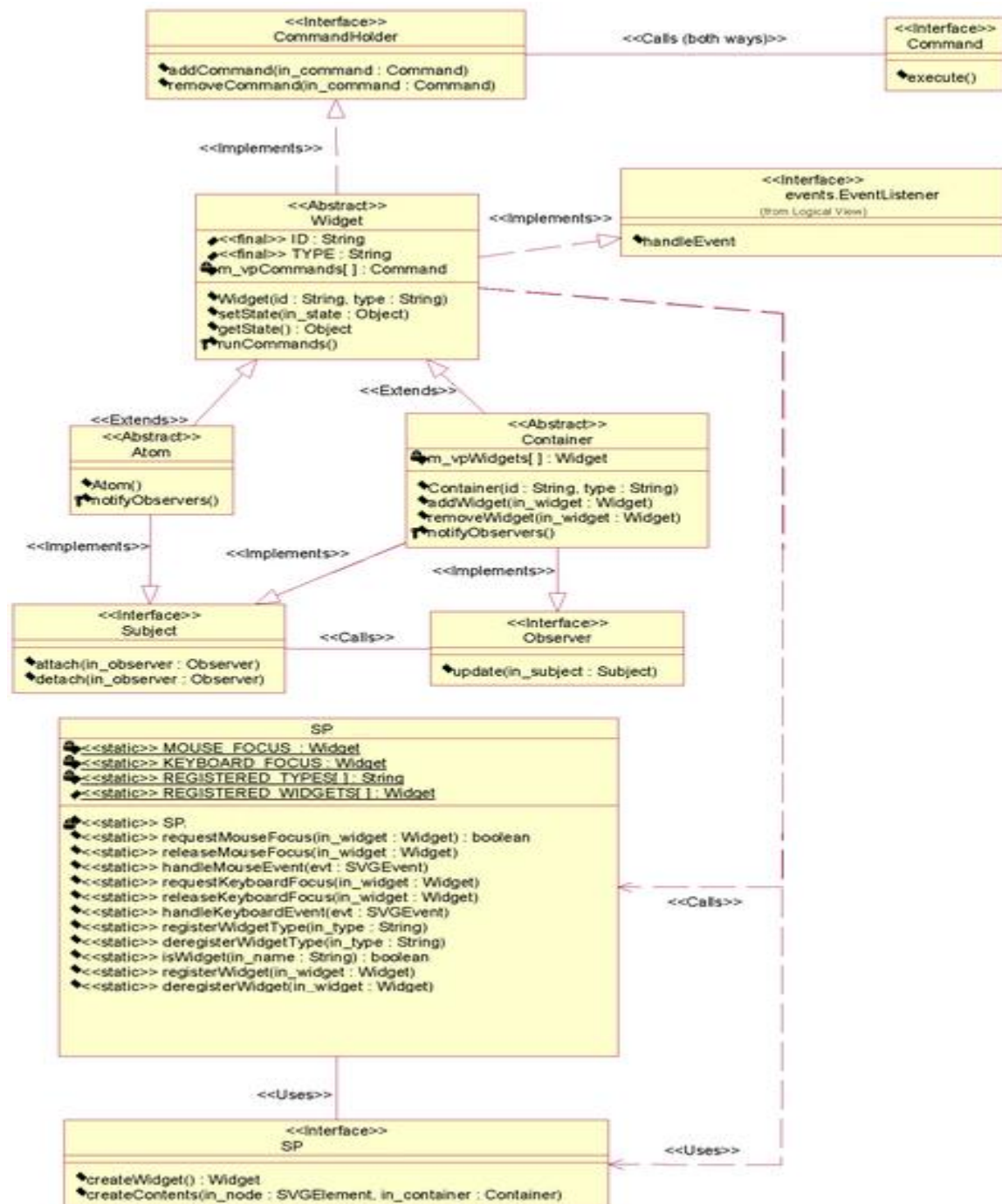
5.3 Class diagram



RSS class diagram



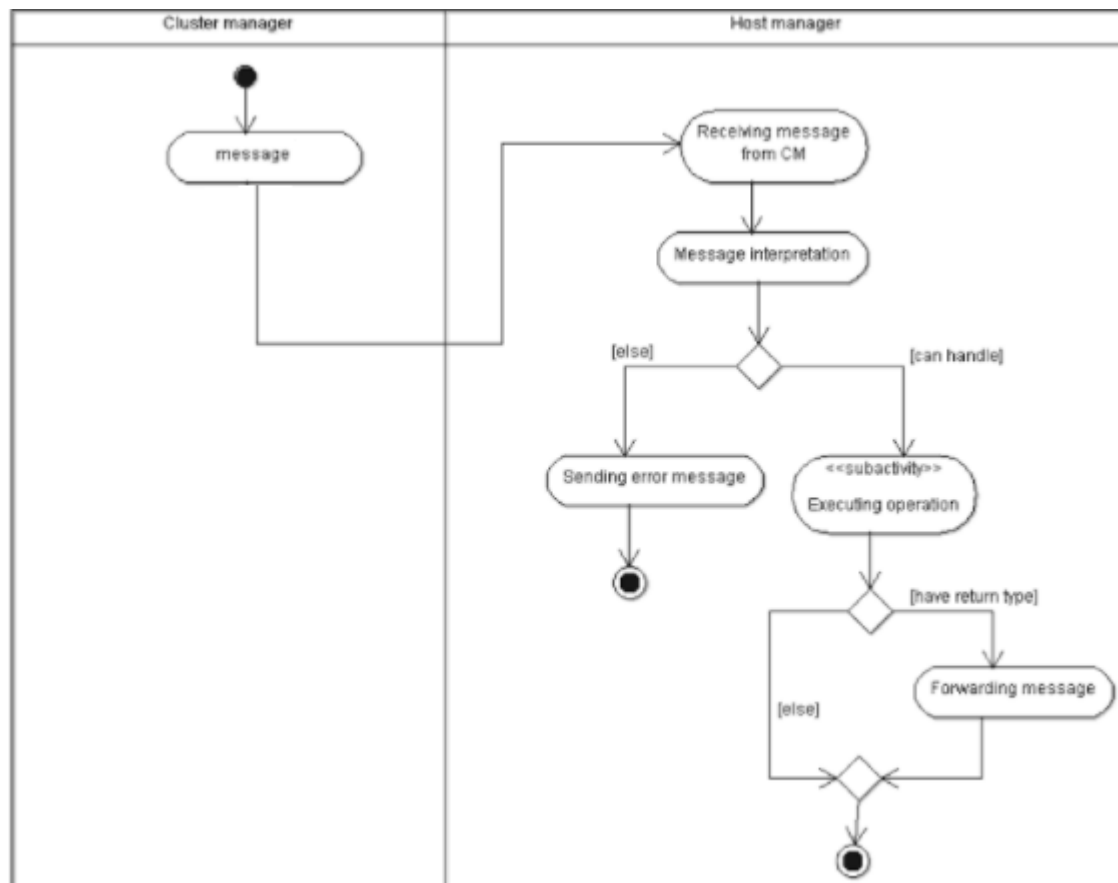
Class diagram for server associations



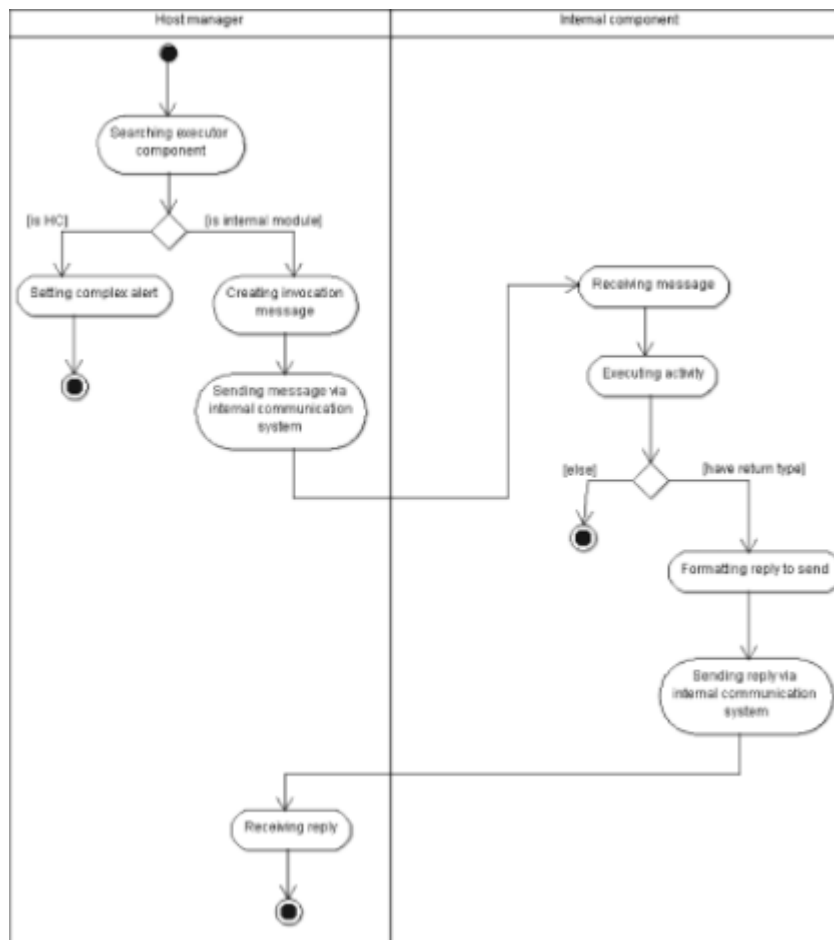
Class diagram

5.4 Activity diagram

Activity diagram shows graphically all types of workflow



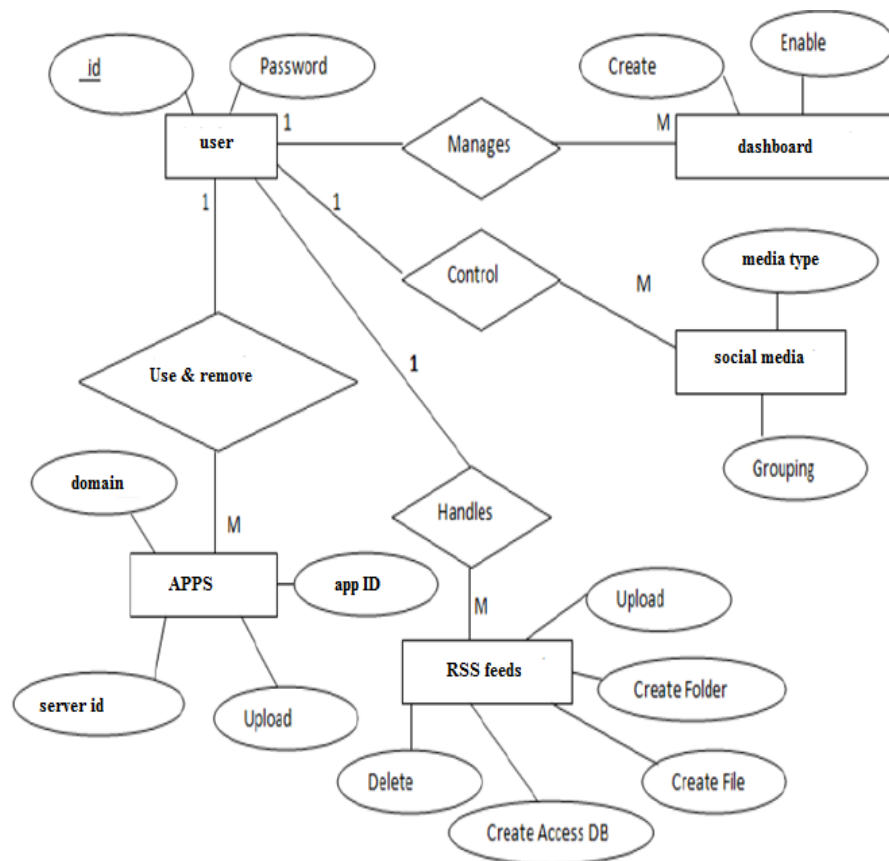
Activity diagram



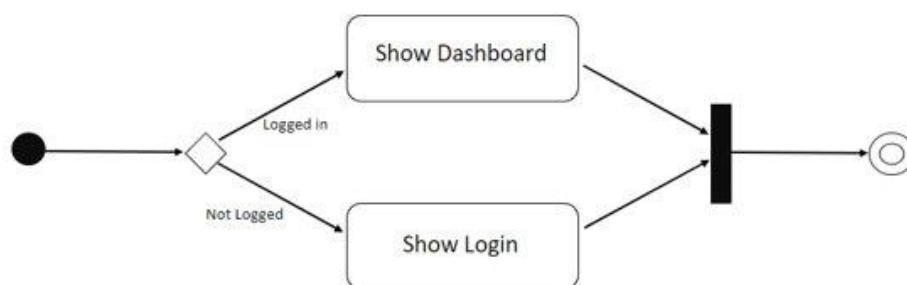
Activity diagram

5.5 Entity relationship diagram

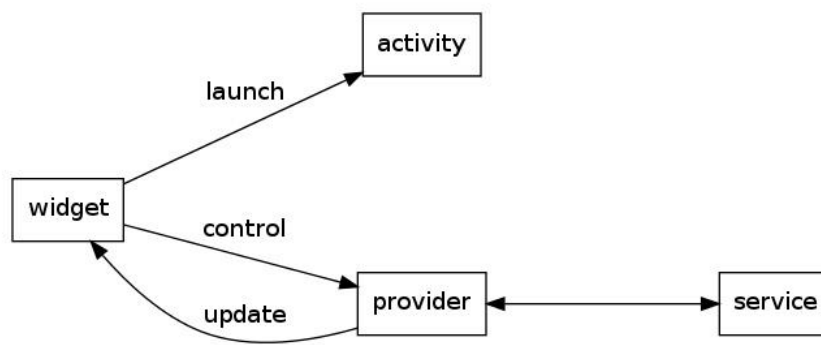
The Entity types and the specific relationships between the entities are defined



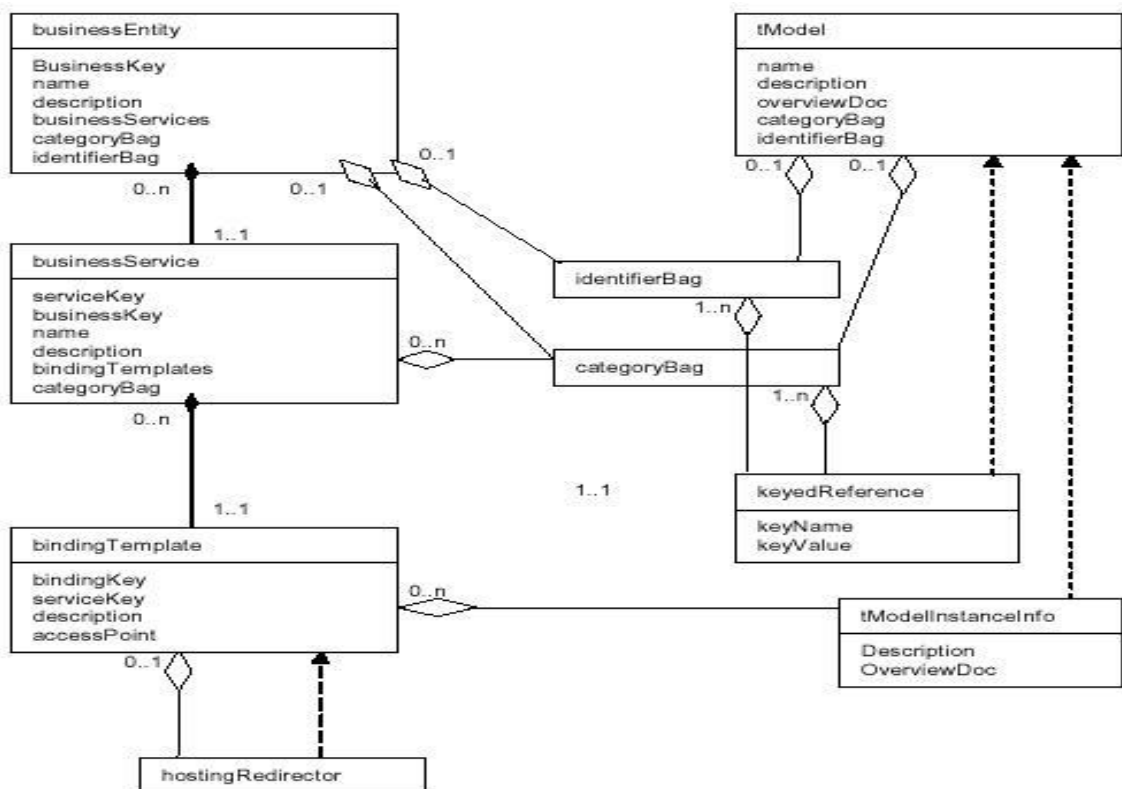
ER diagram



Activity diagram for dashboard



Widget communication flow



Hosting access(ER)

6. IMPLEMENTATION

6.1 Screen-Shots

Title: Login page

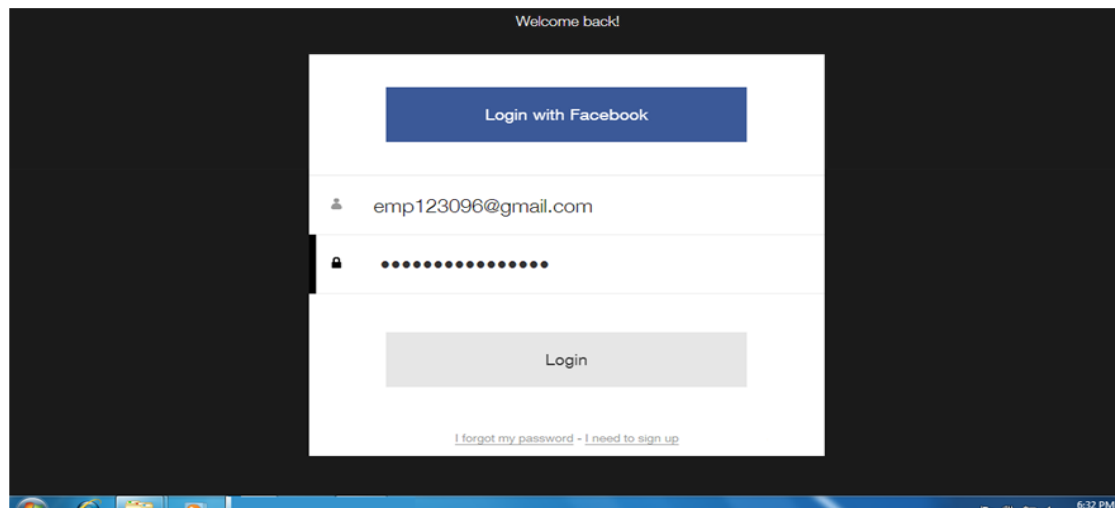


Fig-6.1.1: Login page

Description:

The administrator of the system can login here by providing the login credentials.

Title: Add different boards

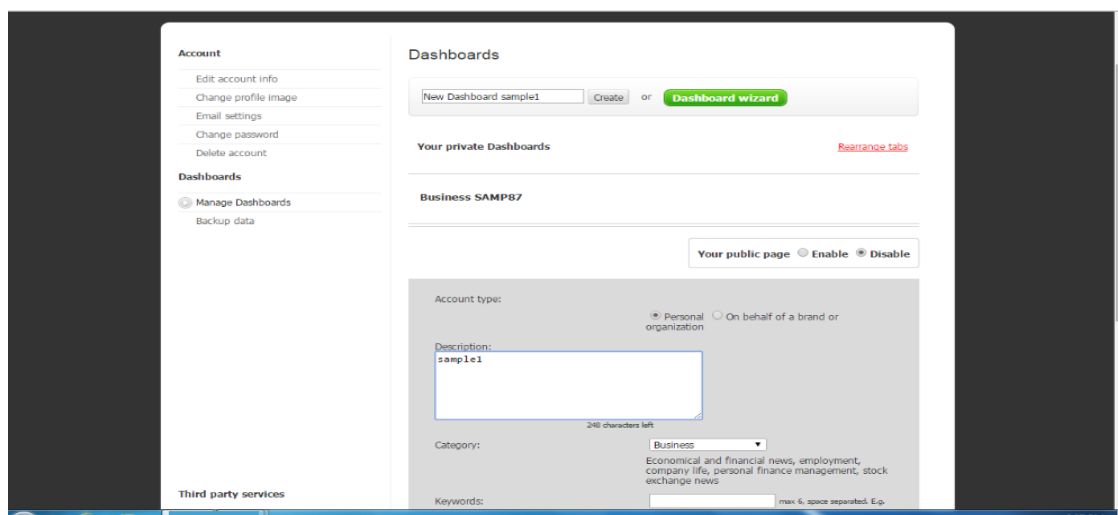


Fig-6.1.2: Add different boards

Description:

Project is created by providing the details like the setting and dashboard setting we can see here we can manage the dashboard for the project

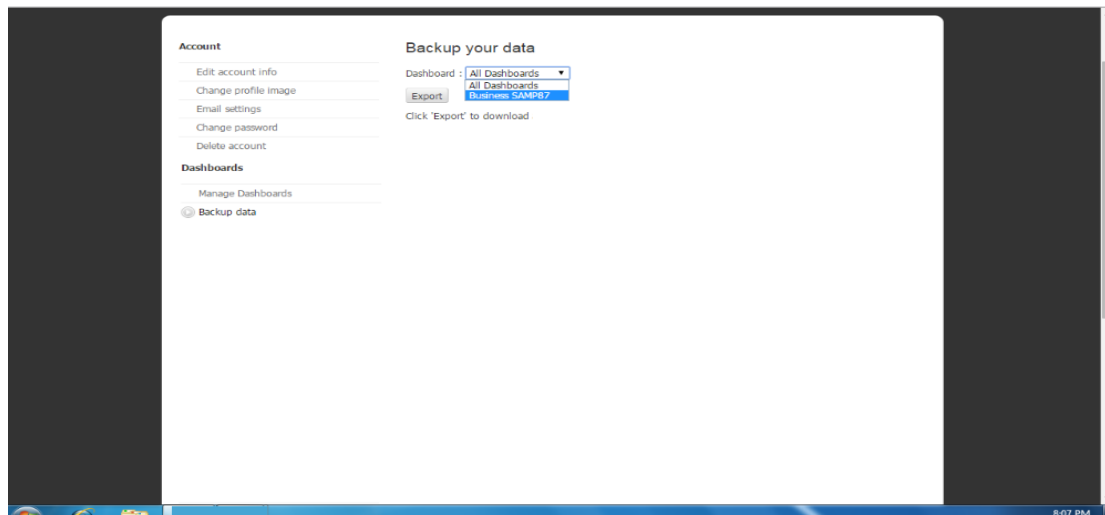
Title: Backups

Fig-6.1.3: Backups

Description:

Multiple platforms are given which provides the data for processing. The user can select the source of data from here.

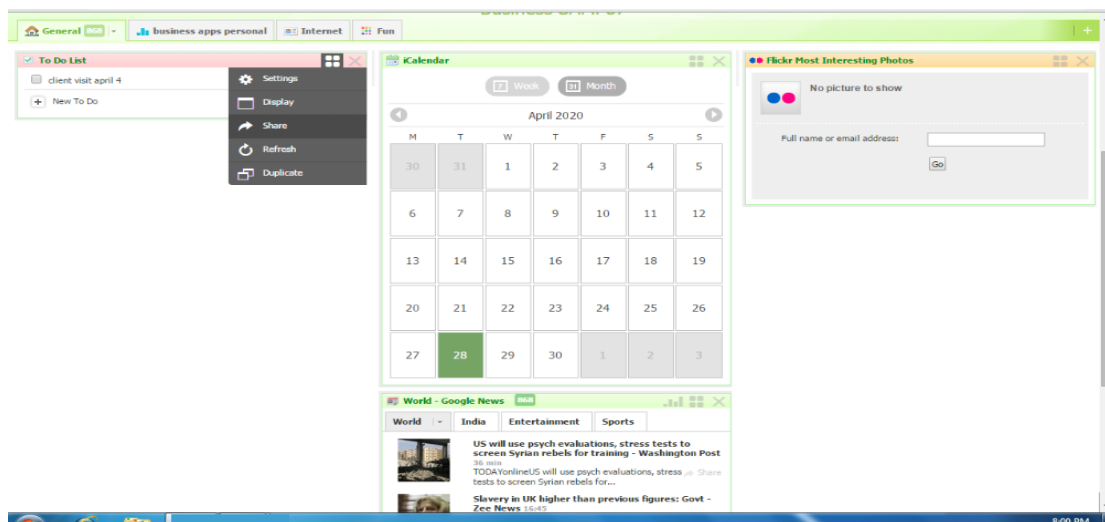
Title: Individual page settings

Fig-6.1.4: Individual page settings

Description:

Here the reports can be seen in different forms depending upon organization the user tasks in a calendaring and scheduling basis.

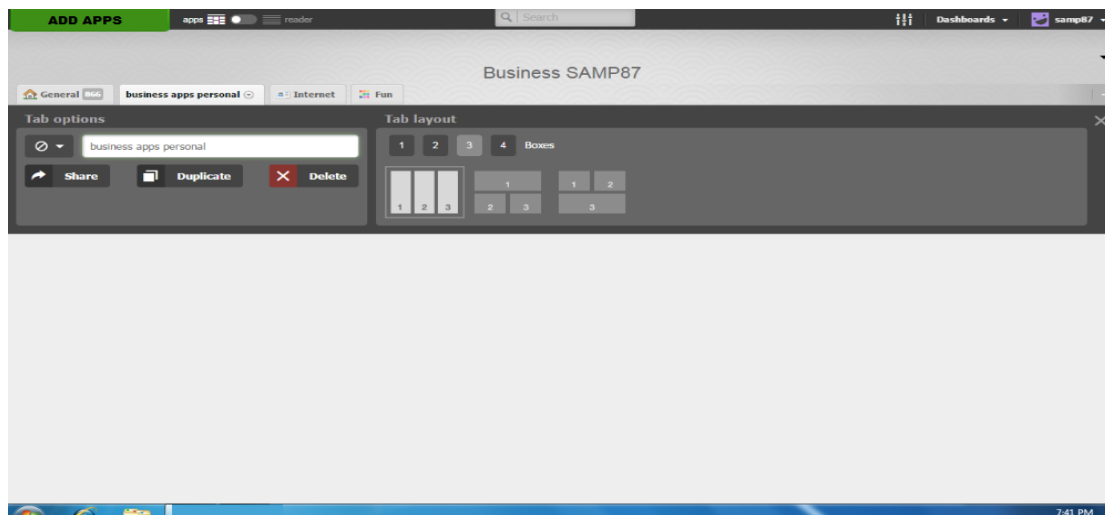
Title: Muti page settings

Fig-6.1.5: Muti page settings

Description:

The user can set the update frequency so that reports are generated according to user needs.

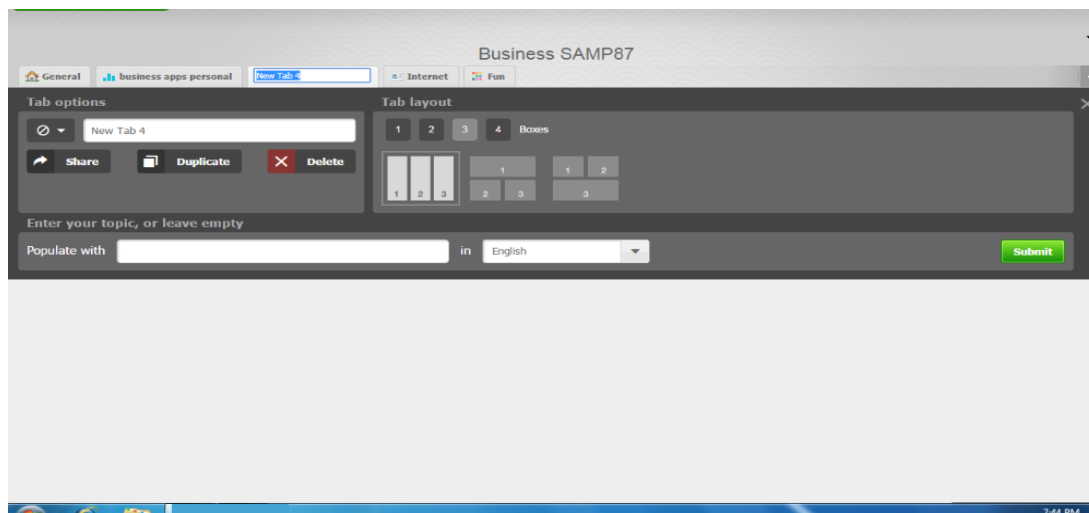
Title: Custom setting for page

Fig-6.1.6: Custom setting for page

Description:

The user can make the different page setting according to related work and shared deataits

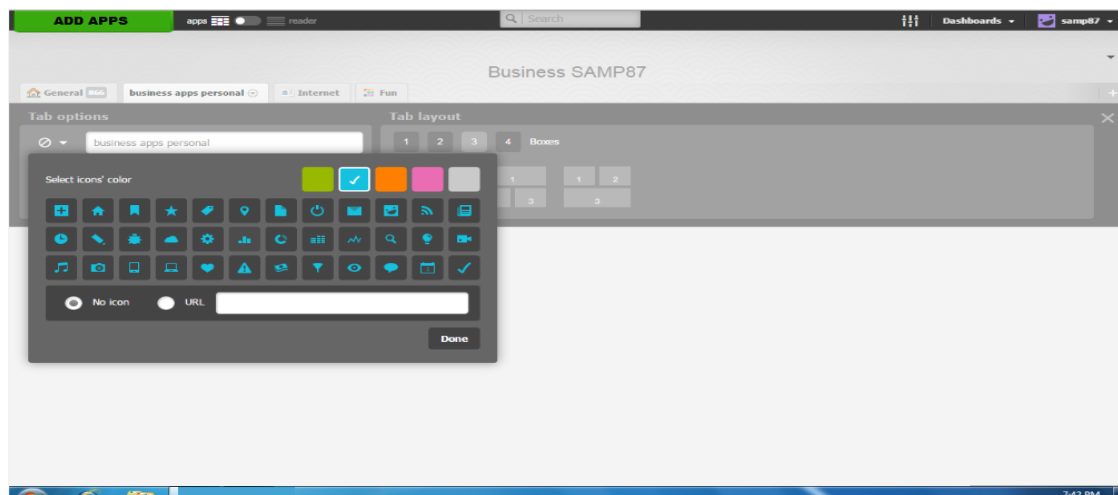
Title: Custom settings

Fig-6.1.7: Custom settings

Description:

The user can make custom setting for individual work that according require the user use

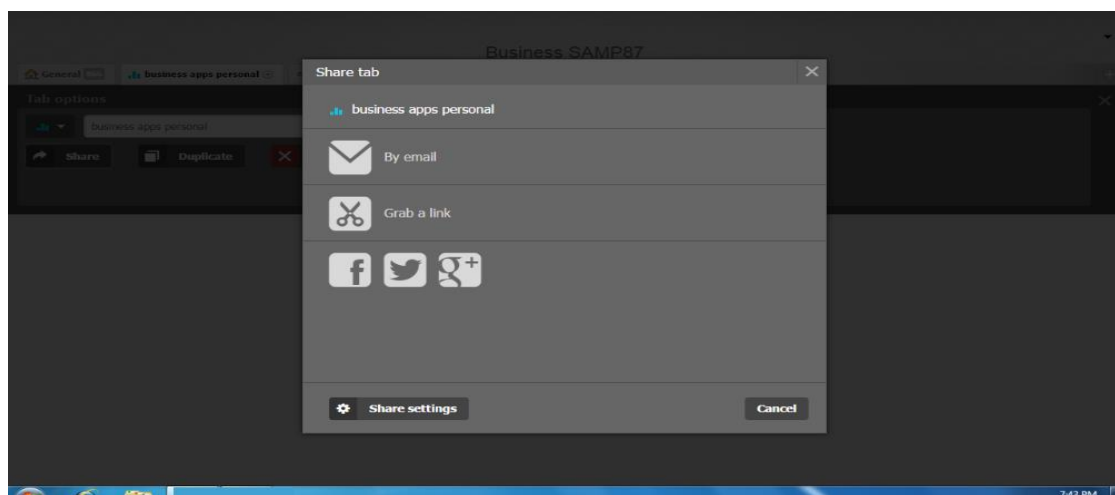
Title: Sharing

Fig-6.1.8: Sharing

Description:

The data can be converted in different formats so that the results of analysis are more appropriate.

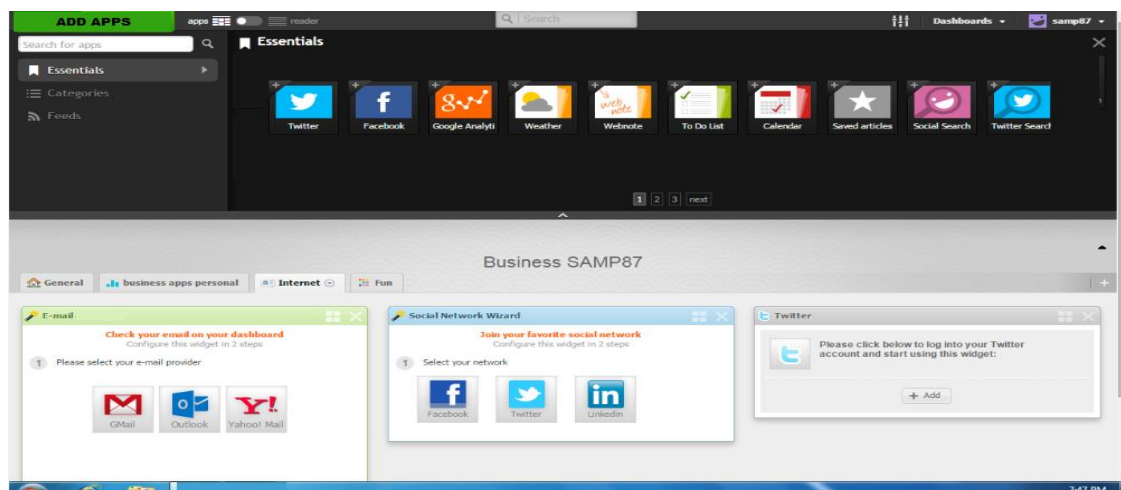
Title: Tools and resource additions

Fig-6.1.9: Tools and resource additions

Description:

The reports are provided work frame for invite the user in a detailed manner.

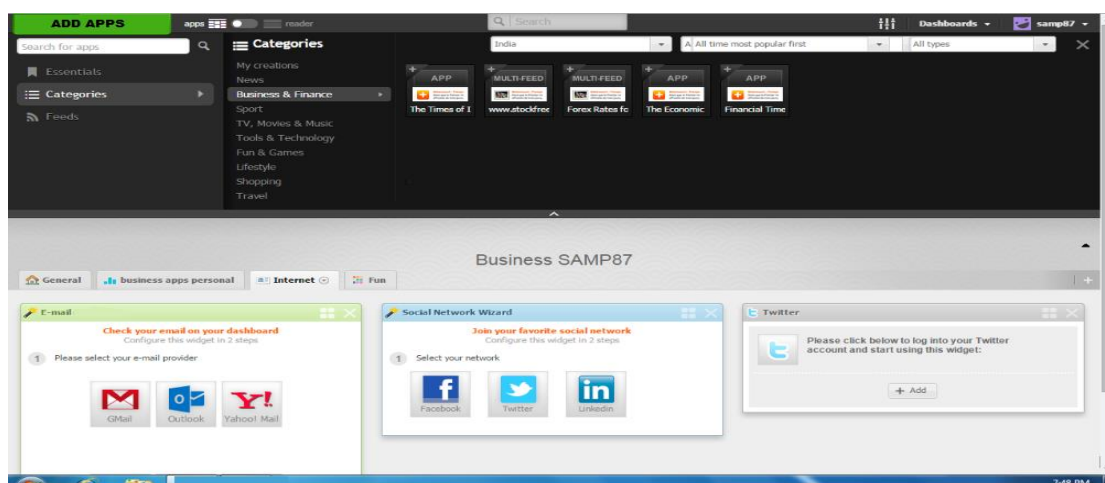
Title: Categories

Fig-6.1.10: Categories

Description:

The user can select a particular and categories domain to see the detailed report

Title: Feeds tracking

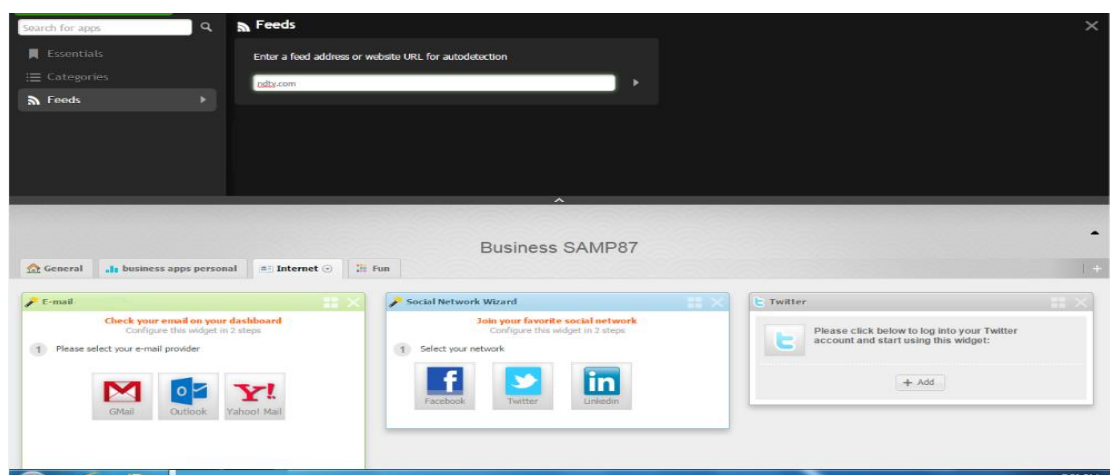


Fig-6.1.11: Feeds tracking

Description:

Here the user can see the information tracking link analysis details.

Title: Detailed information provided for feeds

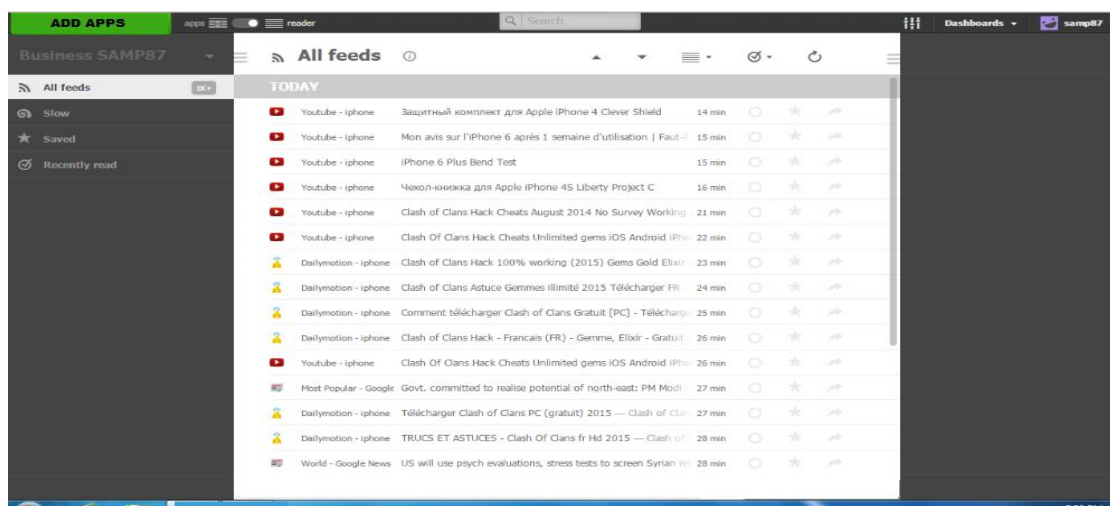


Fig-6.1.12: Detailed information provided for feeds

Description:

Here Link overview shown how many links other domains are available, customization can be referenced

7. SOFTWARE TESTING

Software testing

Software testing is a way where we have to recognize the format that are provided to the users for a quality and for the workflow so all related references which are being included within the system will be tested and will be checked for proper applicability and reliability. For managing the software testing perception properly, we are writing the test cases and it will be added with different types of conditions of the results that is being obtained so that even in the future it can be revised. We are acknowledging the reference page design and all editing options which are promoted so that the private workability and the collaborative workability can be tested for various types of security applicability and other provisions which are important.

Multi establishment that are provided for the associated usage of the utilities will be checked and even it will be tested that if based on requirements new identities are added then what will be the effect of the overall workability because continuous changes are required to be acknowledged within the system. Software testing is a way we will be detecting that all the utilities and features that are provided within the system provides the custom working in multiple interfaces that will be designed and even when frequent modifications are acknowledged the system supports the workability. Testing strategies will be based on multiple types of steps and stages that are included within the system and even it will be performed by various types of users who will be identified and proper testing team will be made.

Unit testing

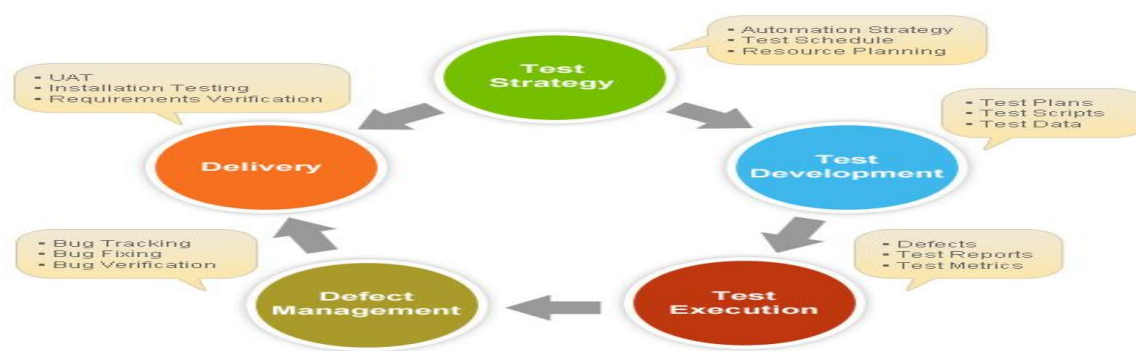
First we will acknowledge that how the system supports multi window section because different types of Window patterns are needed to be acknowledged for the activity choices as it can be based on social media or it can be based on Analytics so we added the channels and we added the pages and we found that each category can be customized and can be properly managed based on staffing choices

The choices that are provided based on the utilities are also tested because we have to recognize that all types of business related tools are available in the system provides systematic addition and specification additions for the resources and as we have added the resources we found the detailed permissions and customization settings were presented

We also acknowledge the type of channels that can be used for inviting the users and how different types of users will be provided with the working references authorities for different types of pages, we have acknowledged that individual factors for individual users can be added and system behaves in the same manner in the real-time it has been set up

The review information that is provided with custom reports and field customization options are also checked found that all types of accuracy is presented to the user and even the integration square based on user choice and even in automation references which is better

The editing and customization options based on the frames and based on the custom report choices when the reports are generated are checked with multiple settings and it has been associated that all the settings are properly established and as the modifications are acknowledged the concept of the frame view and other report view can be changed



Figure

Shows different test strategy undertaken

Black box testing

We are giving the system Framework abilities to the user's so that we will be able to identify that in real time based on the work reference is the system supports the workability or not or any type of issue arises

Black box testing will be directly done in the real time reference with real time work; the errors in the problems will be notified by the clients

Test cases

| Series | Test-cases | Test-Input provided | Results | Actual-result | Test Status | Severity |
|--------|---------------|---------------------|--------------------------------|--|-------------|----------|
| 1 | Admin control | Credential | Details and requirements added | Saved and applied | Pass | Critical |
| 2 | Pages | Details provided | Settings provided | Space definition added | Pass | Critical |
| 3 | Info-source | Settings | Sources added | Info source details added and used for reports | Pass | Critical |
| 4 | Task | Added inputs | Task assignments | Task added and notified | Pass | Critical |
| | Tools access | Inputs | Select and integrate | Assess reference settings | Pass | Critical |

| | | | | | | |
|---|-------------------|------------------------|---|---|------|----------|
| 5 | | | | added and added to pages | | |
| 6 | Files and data | Settings | Reference based | Security and access details added | Pass | Critical |
| 7 | Invitation | Channel settings | Credential provided | Compatibility provided | Pass | Critical |
| 8 | Real tile | Conditions settings | Uses can collaborate in real-time | Operations in parallel supported | Pass | Critical |

Table 7.2 : Test cases

8. CONCLUSION

CONCLUSION

Regulation based multiple scenario accomplishments can be properly defined with the help of the system as when we have channel various types of pages we found that each page can be properly recognized for different types of references which is suitable because the companies can have their own work space design. We have also acknowledged that each page that is being referenced can be channel with multiple settings and elaborated editing is provided for managing the considerations which is very much helpful. The references of the editing are also provided in multiple types of categories that will hold the news page in more flexible manner. Multiple associations can be defined at the same time according to the requirement as we added various types of users by providing different types of credentials for the usage of the pages.

As the users were added multiple mechanism for the invitations and for the authentications were also presented which is helpful because now with the help of multiple handles in different authentication the princes can be directly implied. We also use all types of resources and be channeled multiple types of data analysis references which was supported making it overall package for the companies to acknowledge all activities based on operations and other media related references.

9. FUTURE ENHANCEMENT

FUTURE ENHANCEMENT

Enhancement makes the system more compatible and directly implied the references for the usage provides more considerable Optimization in the future so we are regularly auditing the new requirements and accordingly the provisions will be added-

The most important reference that has to be channelled within the system is to provide the users with a set of new tools as it is required

More information channels in the compatibility to enhance more Complex data information can be added in the future and even if required more graphical display aspect can be added

Reports can be improved and more filters can be provided

APPENDIX

APPENDIX A

Bibliography

Books

Auto-Implemented Properties (C# Programming Guide)". Retrieved September 12, 2020..

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

"How to create user-defined exceptions". Retrieved September 12, 2020.

Web site

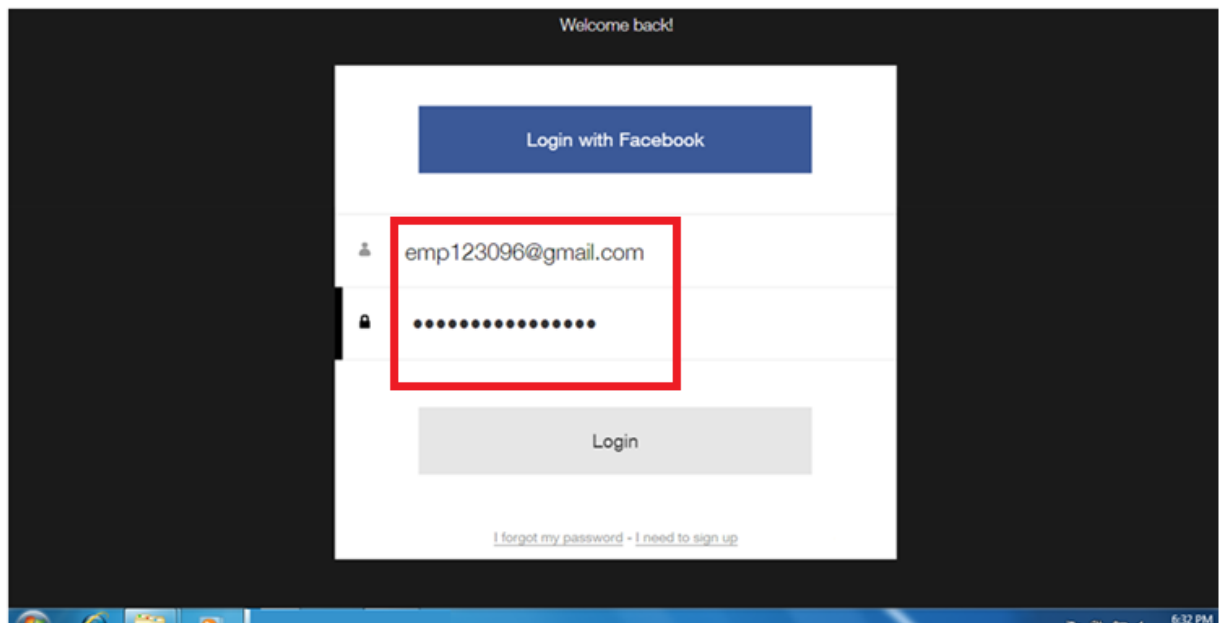
<https://www.microsoft.com/net>

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

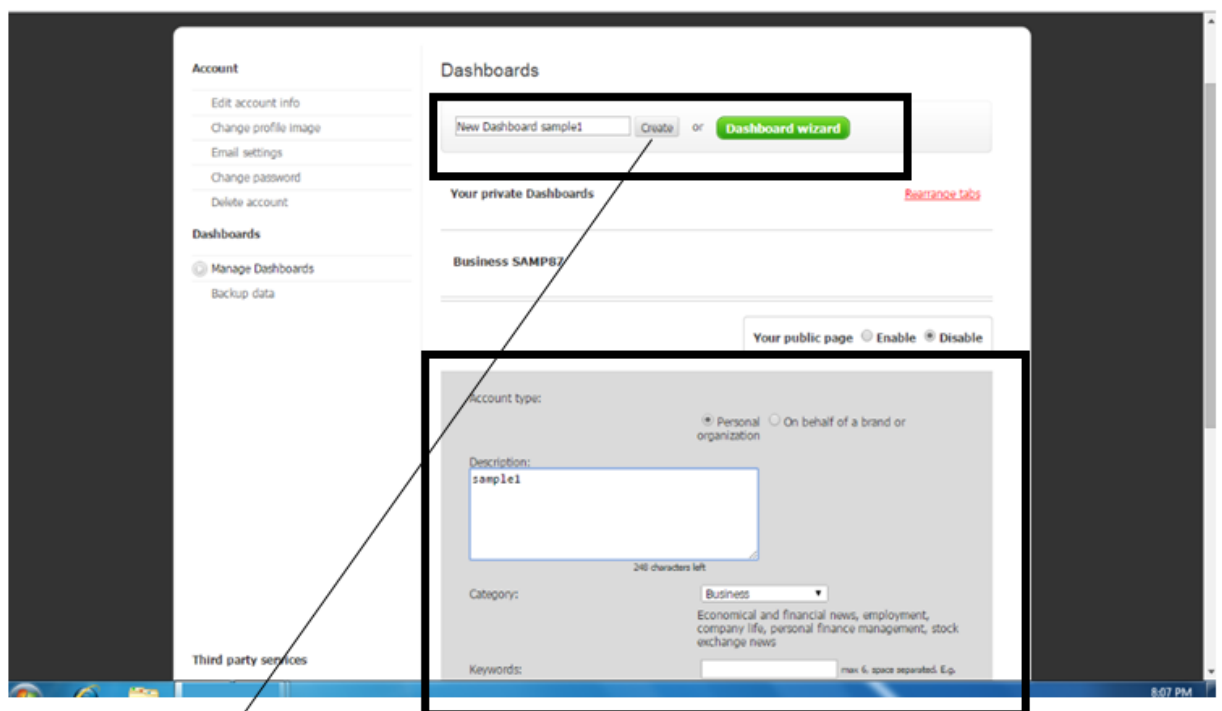
<https://www.youtube.com/user/dnfvideo>

APPENDIX B

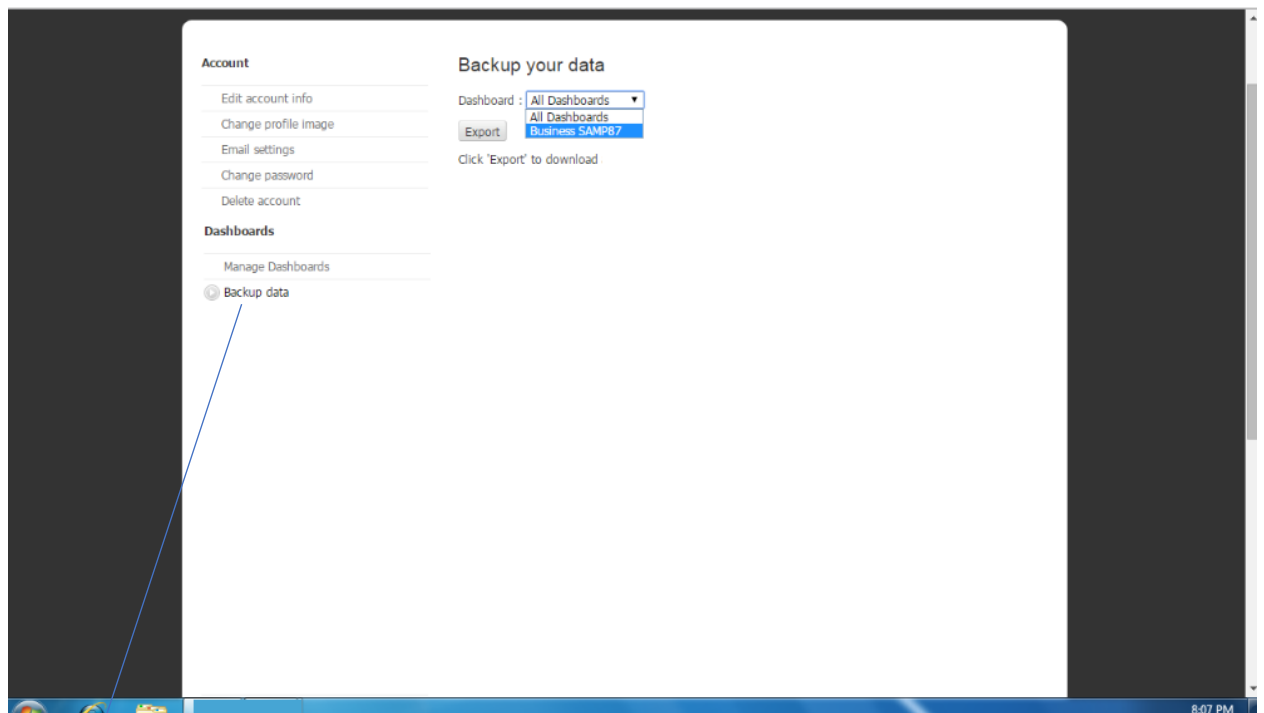
User manual



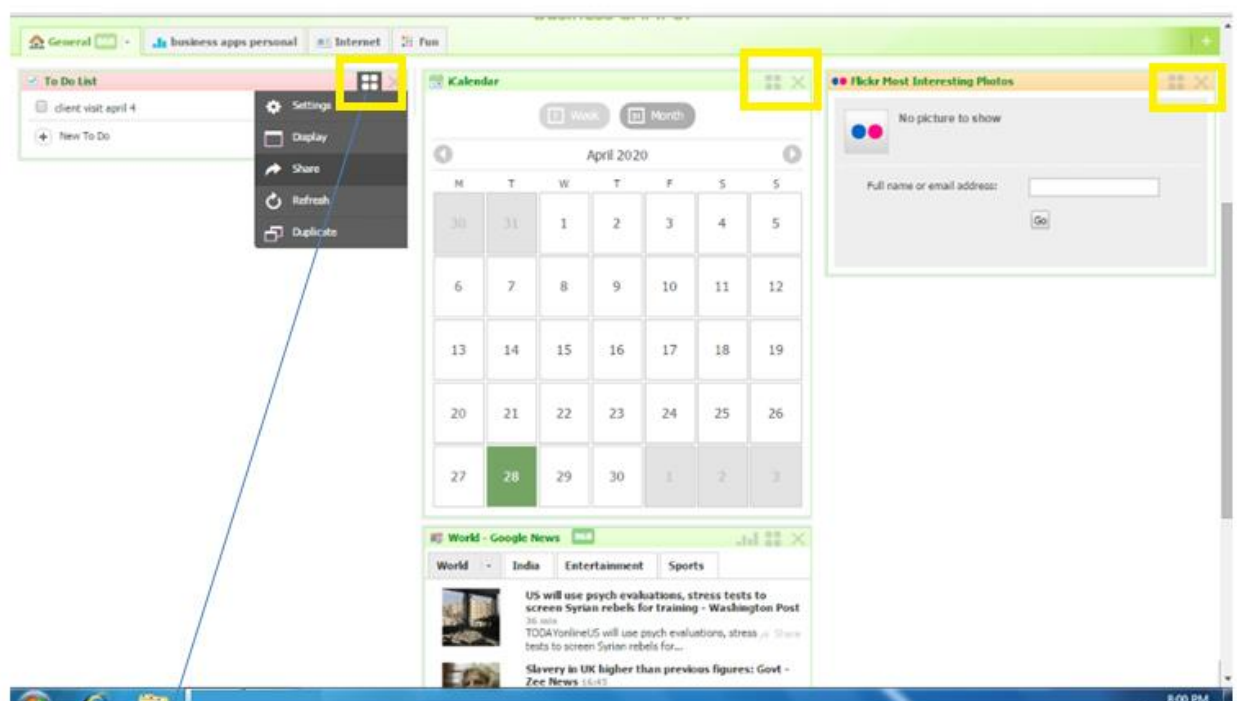
Login page



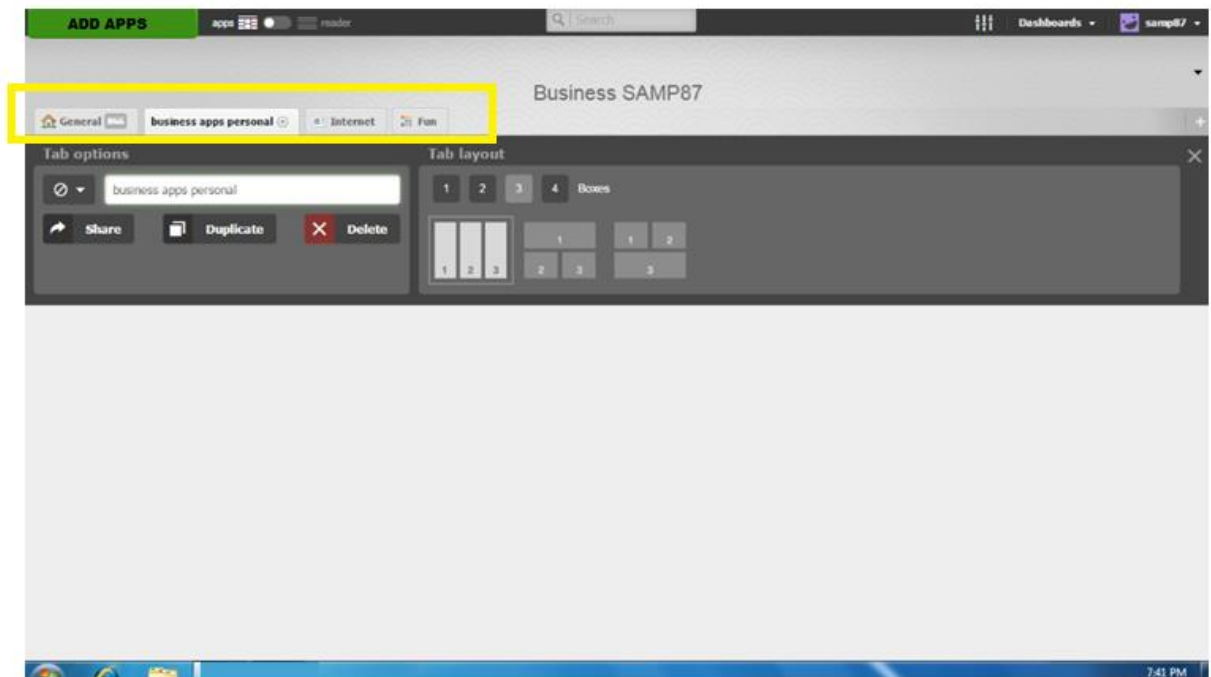
Working dash selections and settings



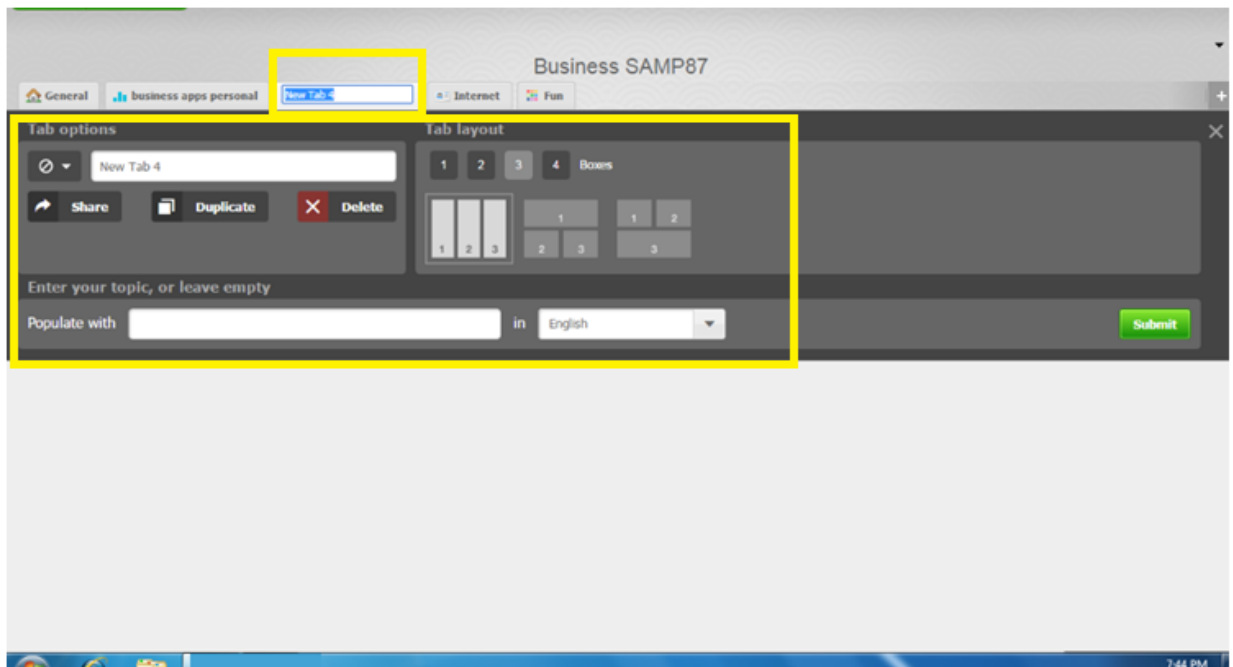
Backup



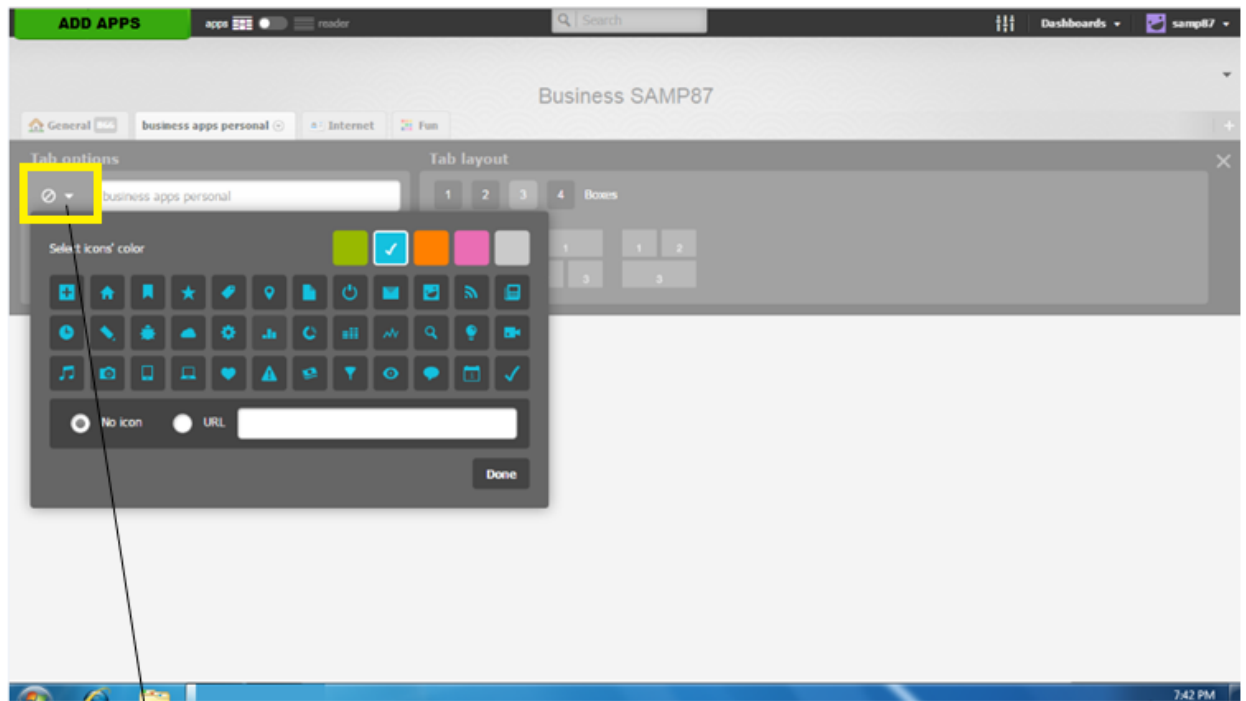
Different page settings



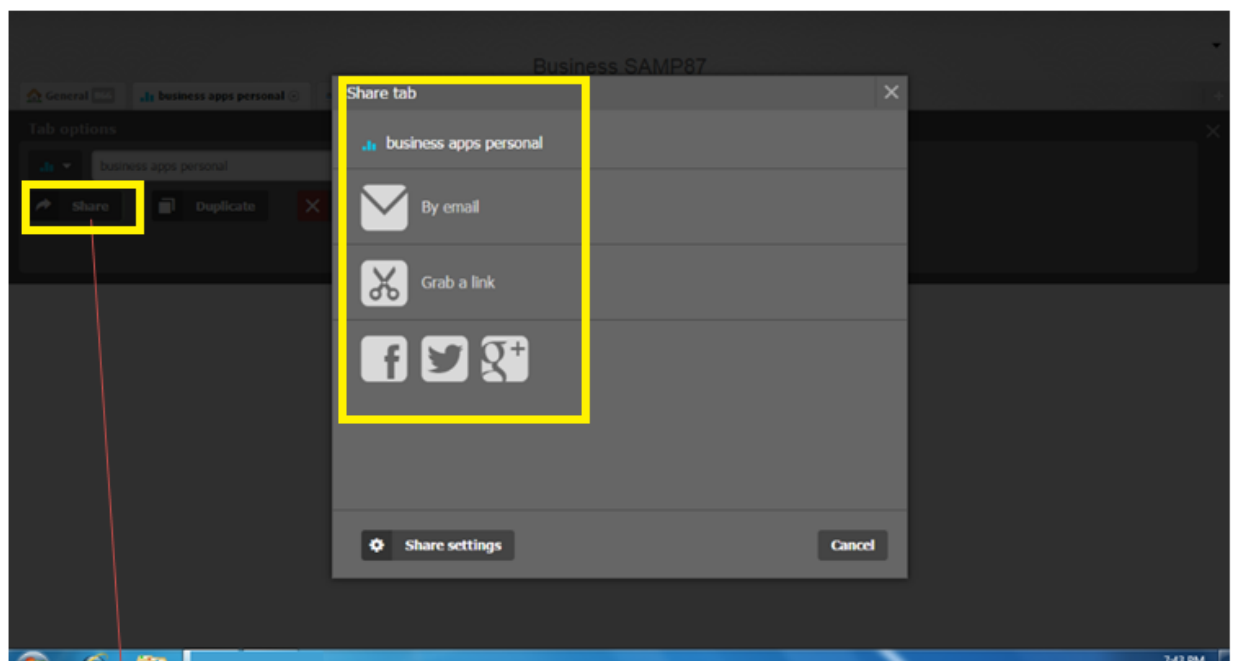
Design of different pages for the working



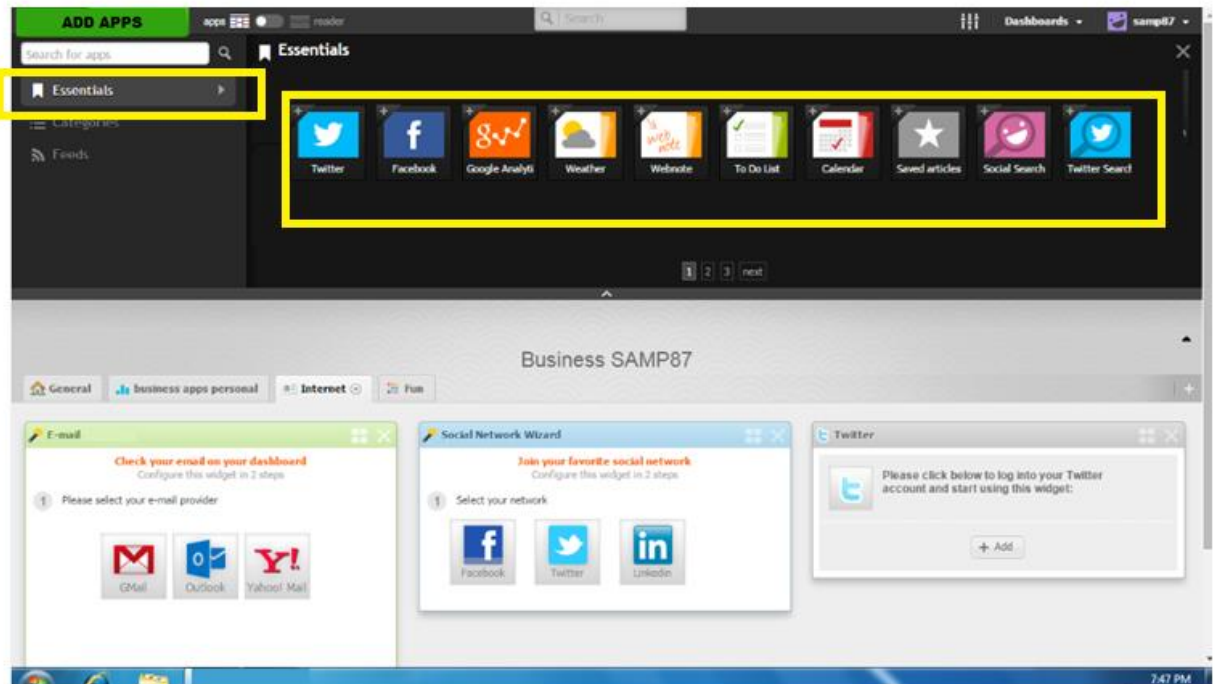
Additions of multiple pages



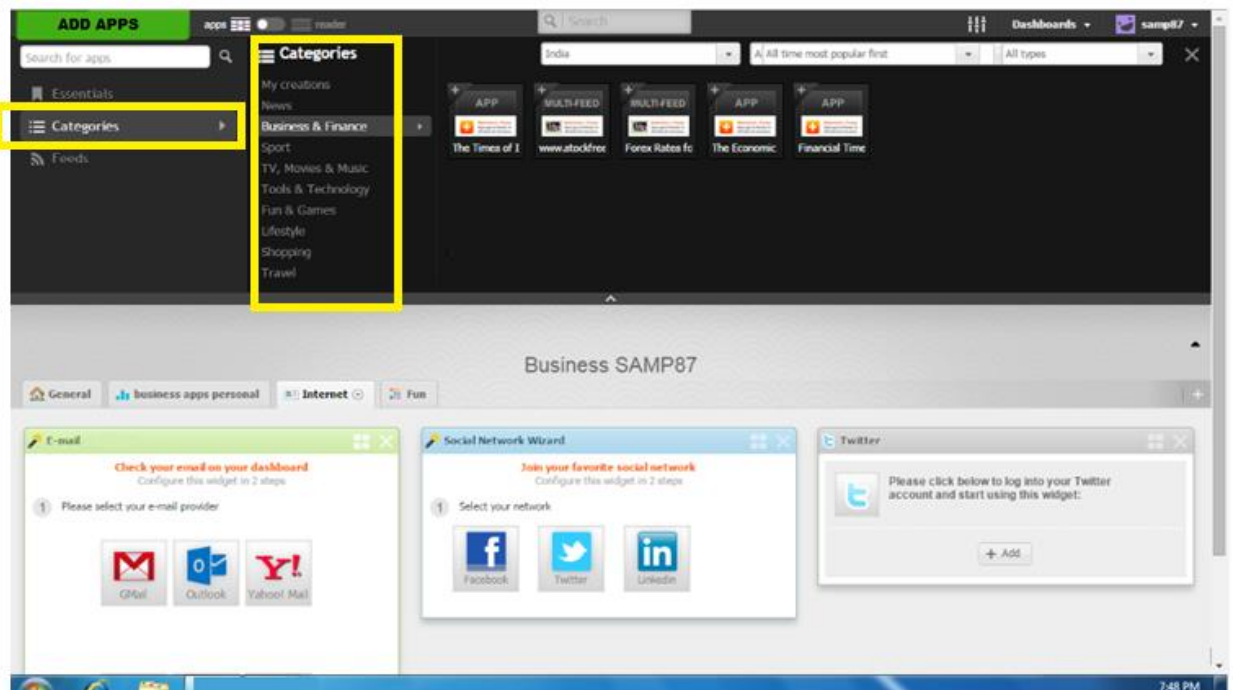
Custom settings for the pages



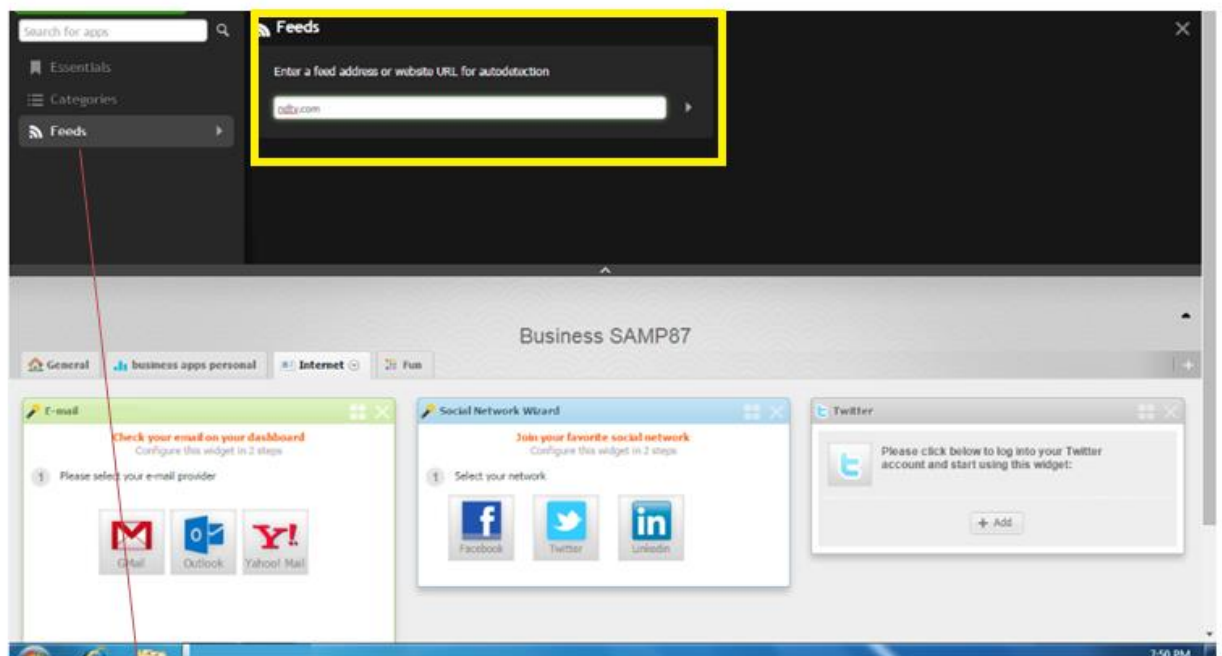
Sharing options for the particular page



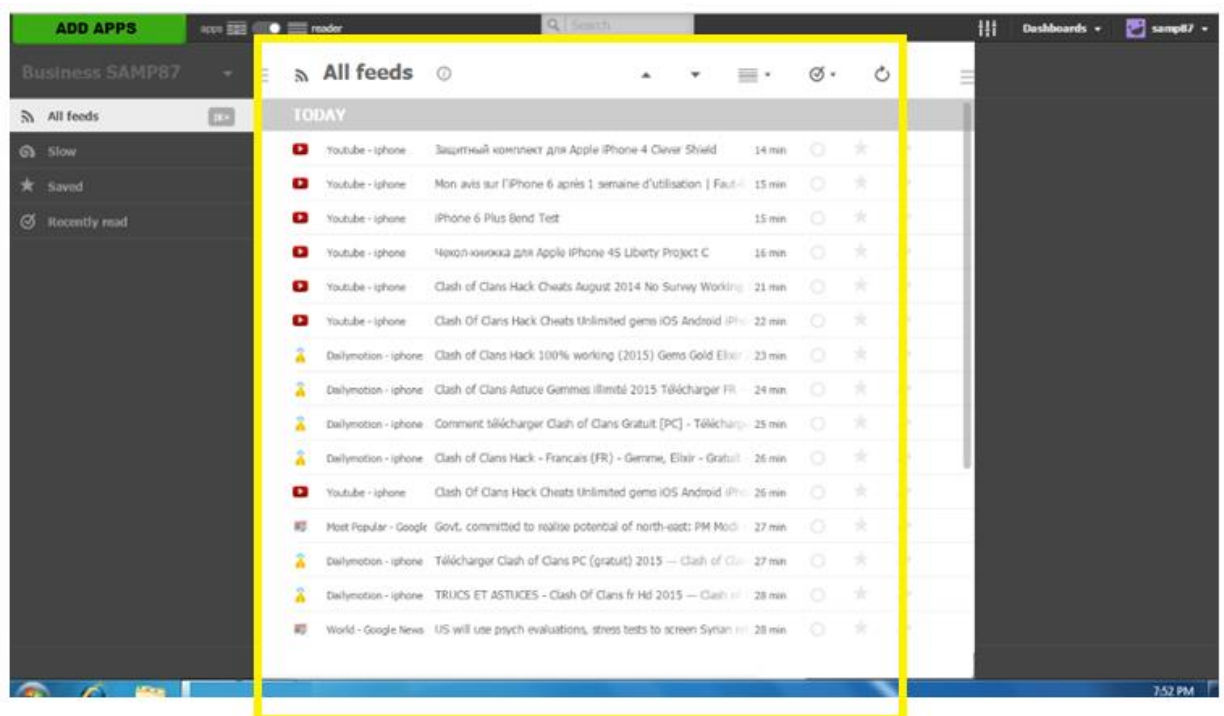
Add-on provided for the working



Categories and selections



Provisions of the information tracking



Detailed information provided, even customization can be referenced