

# Software Engineering 2016



## ***LEFT TO RIGHT***

Rishabh Kapoor(14ucs095), Sanyam Jain(14ucs102), Vasundhara Sharma(14ucs154)  
Pushpendra Bansal(14ucs088), Sakshi Sharma(14ucs099), Kshitiz Gupta(14ucs056)

**Group ID: B04**

# DOCKET



**Screencast video link:**

**Demo link:**

**User IDs/Passwords for Demo:**

*User\_id(ADMIN): bansalpunit96@gmail.com*

*Password: qqq*

*User\_id(User): sanyamjain838@gmail.com*

*Password: qq*

**Product Owner:** Sanyam Jain

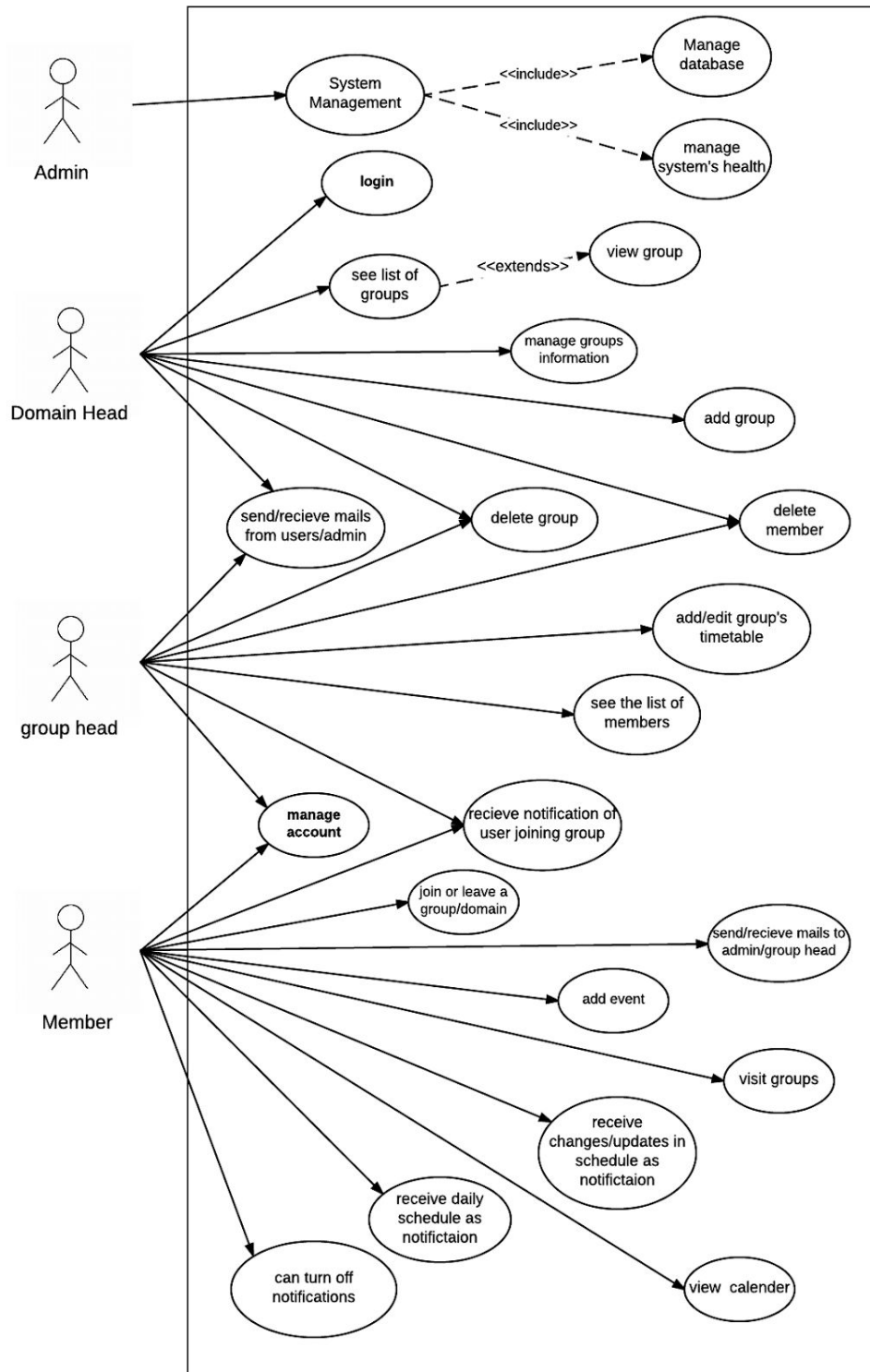
**Scrum Master:** Vasundhara Sharma

## **Overview:**

The application provides a platform for the users to handle their daily schedule. A smart system that provides a connecting platform for students-teachers, club coordinators-members and others to communicate the already scheduled and newly planned events easily. It smartly links the group's timetable to its member's calendar.

## **Use case diagram - Revised**





### Product Backlog - Revised

Story ID	As a/an	I want to ...	so that ...	Priority (H/M/L)
1	Domain head	get the list of all the groups in my domain	I can know the number of groups.in my domain.	H
2	Domain head	access groups and users information	I can see the members and get the required details.	H
3	Domain head	delete a group	the group information can be deleted and it no longer exist.	M
4	Domain head	send/receive mails from member/group head	messages can be exchanged and communication can be achieved easily.	M
5	Domain head	edit domain information	i can update the information as and when desired.	L
6	Group head	make a group	others can join the group	H
7	Group head	make a group time table	it can be linked to group users schedule.	H
8	Group head	add/post new event by including time in the time table.	new event can be added to user schedule and can be notified to all members.	M

9	Group head	get the list of all the group members	I can know the name,number and other details of members in the group	H
10	Group head/user	send/receive mails from member/domain head/group head(in case of user)	messages can be exchanged and communication can be achieved easily.	M
11	user/group head/domain head	create/update my account	I can manage my personal information.	H
12	user	join a group by submitting the groupid	group's time table can be linked to my schedule.	H
13	user	get notified instantly for every new updates in my schedule	I can get to know about any new event added.	M
14	user	add an event in my time table	I can add the new work to my complete schedule	H
15	user	turn off notifications	if I am in busy, the notifications won't disturb me	L
16	user	join a domain	i can join the groups of that domain.	H
17	user	create my own group	others can join the group	H

### Sprint 3 Plan - Backlog

Story ID	As a/an	I want to ...	so that ...	estimate	actual
14	user	add an event in my time table	I can add the new work to my complete schedule	5	5
13	user	get notified instantly for every new updates in my schedule	I can get to know about any new event added.	8	10
10	group head	send/receive mails from member/domain head	messages can be exchanged and communication can be achieved easily.	6	8
8	group head	add/post new event by including time in the time table	new event can be added to user schedule and can be notified to all members	7	6
7	group head	make a group time table	it can be linked to group users schedule.	8	9
4	Domain head	send/receive mails from member/group head	messages can be exchanged and communication can be achieved easily.	6	8

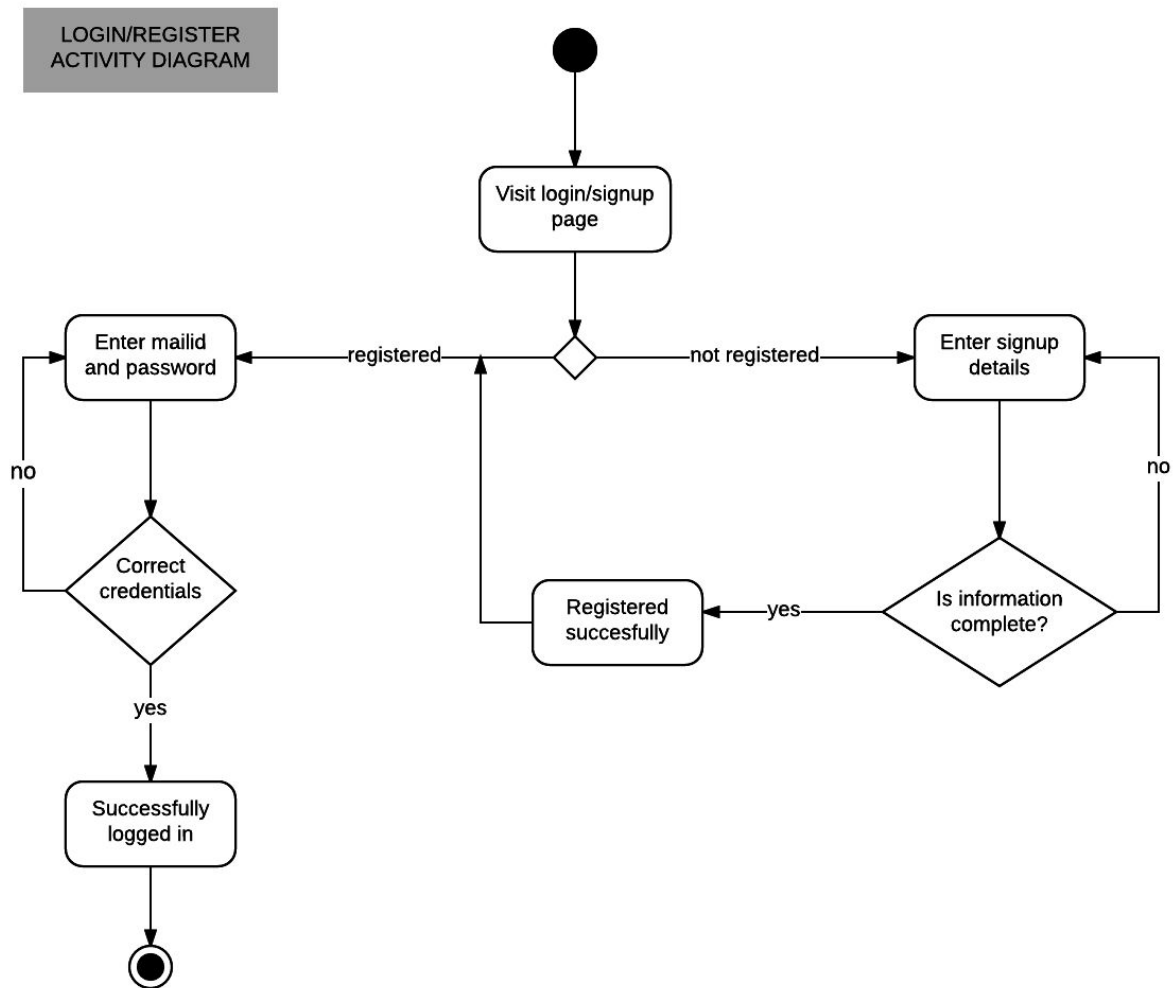
### Sprint 3 Plan - Acceptance criteria and test result

Story ID	Acceptance criteria	Test Result
14	After creating any new event on a particular day by giving the details required, I should be able to see it in the list of events of that day.	Pass
13	If there is any change made in the time table by the group head which is indirectly reflected to my calendar should be notified to me via a notification.	Pass
10,4	mails should be received in the “received mails” section showing the complete message and other information.	Pass
10,4	mails should be send to the specified mailid and the sent mail should be shown in the “sent” section.	Pass
10	On writing “group id” in the “To: “ section of compose mail in place of the complete email id, mail should be send to the specific group head.	Pass
8	Should be able to add new event in group’s timetable and the same changes should be reflected in the member’s schedule.	Fail
7	Should have a option of creating group’s weekly time table by providing the time and description of all the events to be added to time table which should get linked to members time table	Pass
8	On writing “admin” in the “To: “ section of compose mail in place of the complete email id, mail should be send to the domain head.	Pass

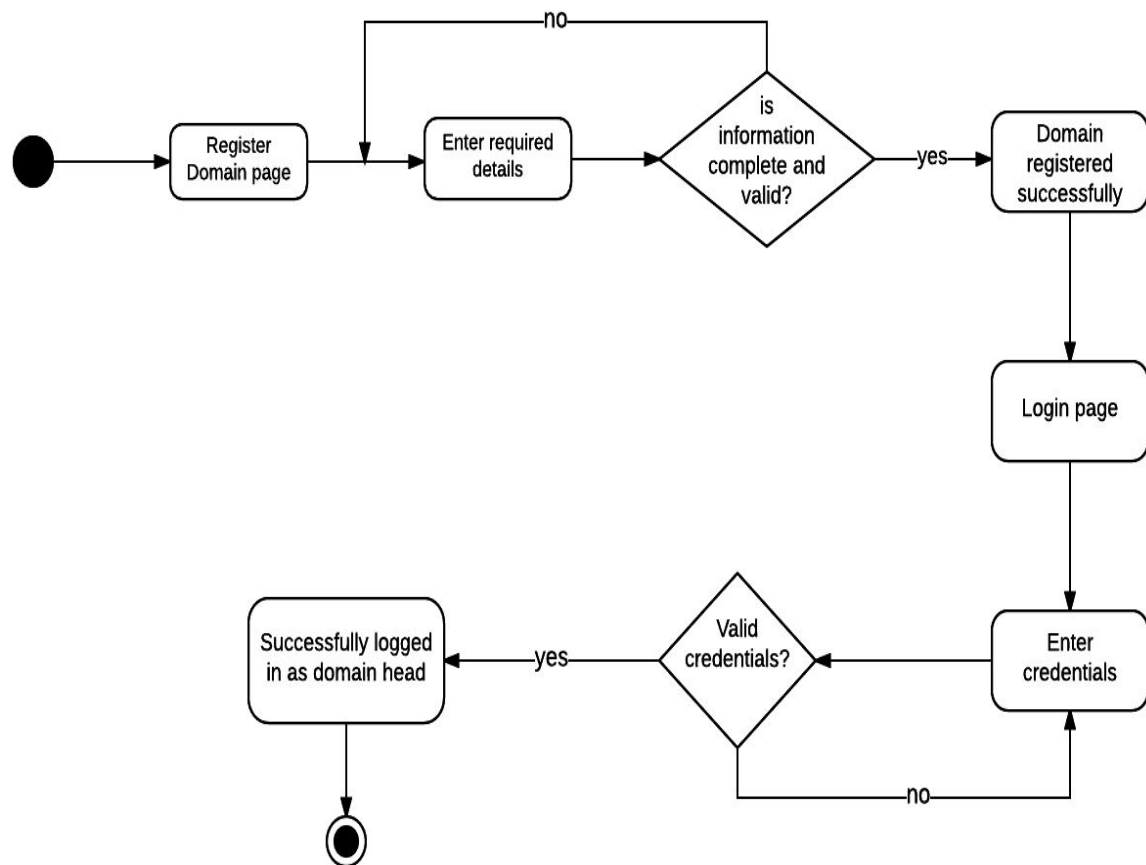


### Activity diagrams (Revised to match with your final product)

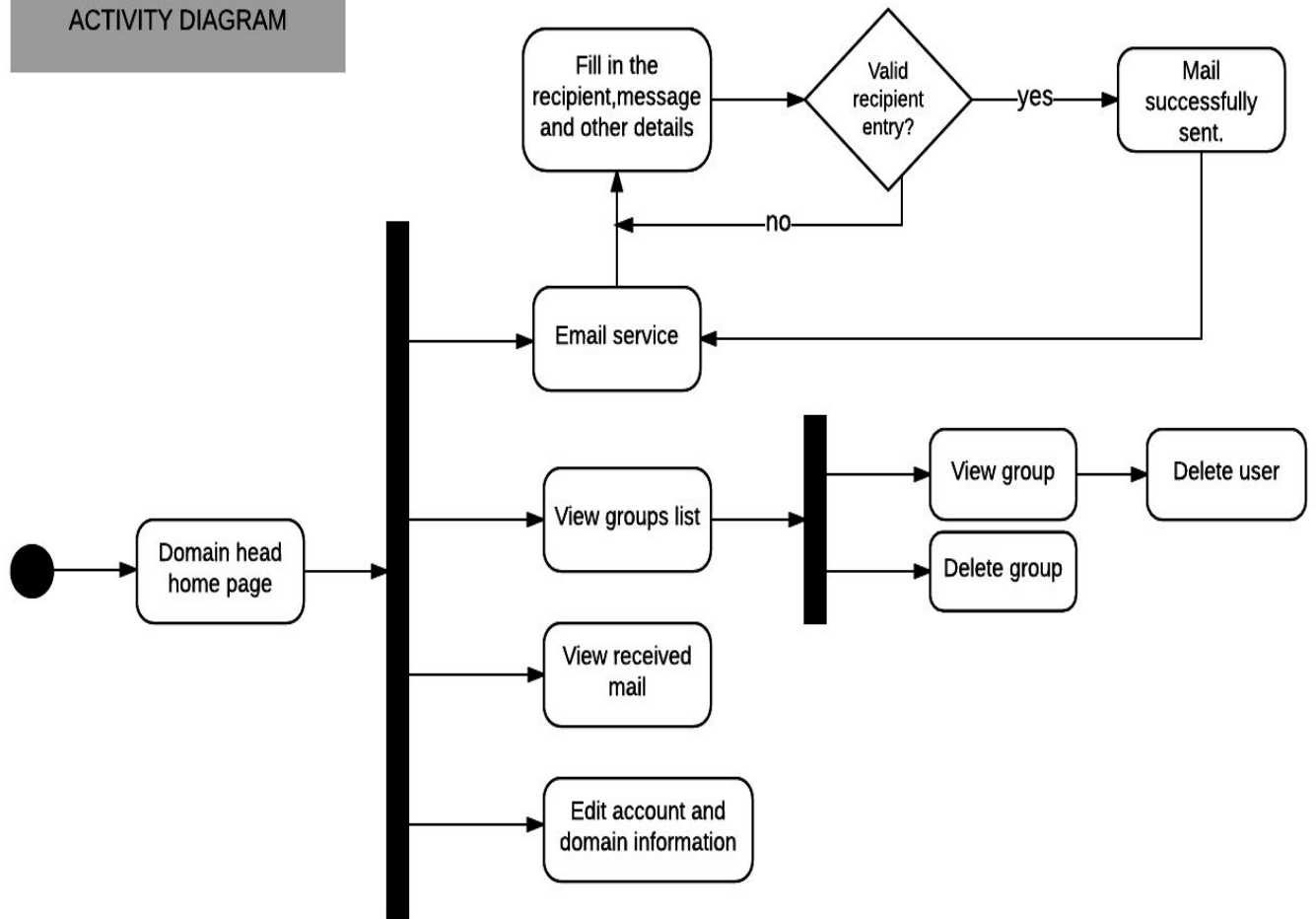
<Approximately one for each team member with correct notation; diagrams should include business activities/operations – not UI navigation and concepts>

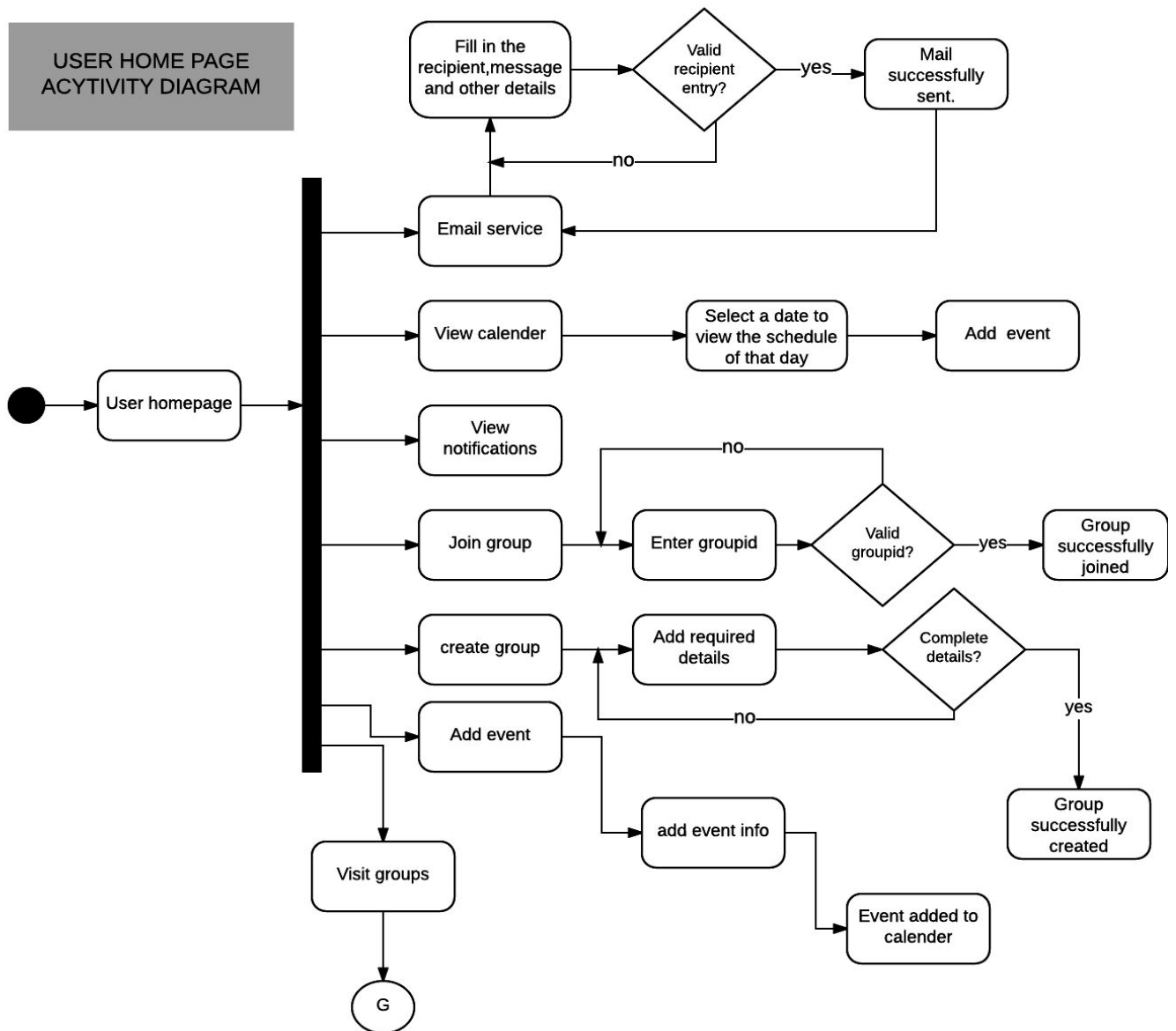


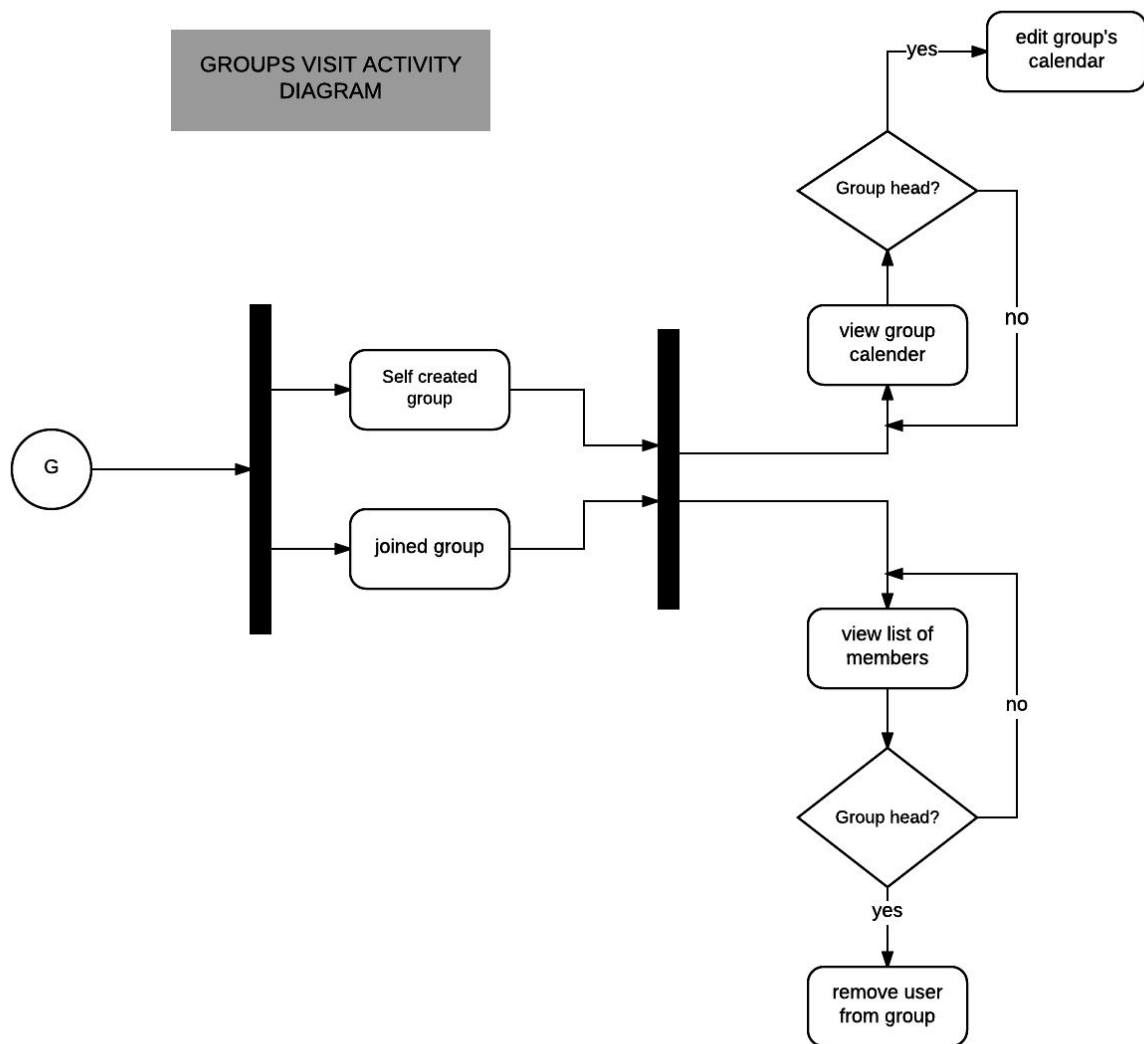
## Domain register and login Activity Diagram



DOMAIN HOME PAGE  
ACTIVITY DIAGRAM







## UI/UX Designs (Wireframes) – For the Sprint 3 functionality

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✎ Compose

📧 Inbox

✉ Send Mail

✚ Create group

👁 View group

👤 Manage user

⚙ Domain settings

To:

Subject:

Mail:

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✎ Compose

📧 Inbox

✉ Send Mail

✚ Create group

👁 View group

👤 Manage user

⚙ Domain settings

ID : 8742587  
bansalpunit96@gmail.com

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[https://docket.bluemis.net/domain\\_view\\_group.php](https://docket.bluemis.net/domain_view_group.php)

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8
Hello BANSALPUNIT@GMAIL.COM

	Group	Leader	Action
<ul style="list-style-type: none"> <li>Compose</li> <li>Inbox</li> <li>Send Mail</li> <li>Create group</li> <li>View group</li> <li>Manage user</li> <li>Domain settings</li> </ul>	Dance Club French SWE	sanyamjain@gmail.com rajatgoyal123@gmail.com priya2341@gmail.com	<ul style="list-style-type: none"> <li></li> <li></li> <li></li> </ul>

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## Docket


The application provides you with the service to manage your schedule. jfhv iohjkbh hfvhv hgbd hfkf yfyf gkhgkh dgd g gkg ghf. here you write the information about your application.


## Our Team



Vasundhara Sharma


Sanyam Jain


Pushpendra Bansal


Rishabh Kapoor


Sakshi Sharma


Kshitiz Gupta

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Compose Inbox Send Mail Create group View group Manage user Domain settings	<b>To</b> sanyamjain@gmail.com rajatgoyal123@gmail.com priya2341@gmail.com sanyamjain@gmail.com	<b>Subject</b> assignment bonjour fest meeting application	<b>Date</b> 2016-11-14 16:02:24 2016-11-14 16:02:01 2016-11-10 16:02:01 2016-08-14 16:02:01	<b>Action</b>    
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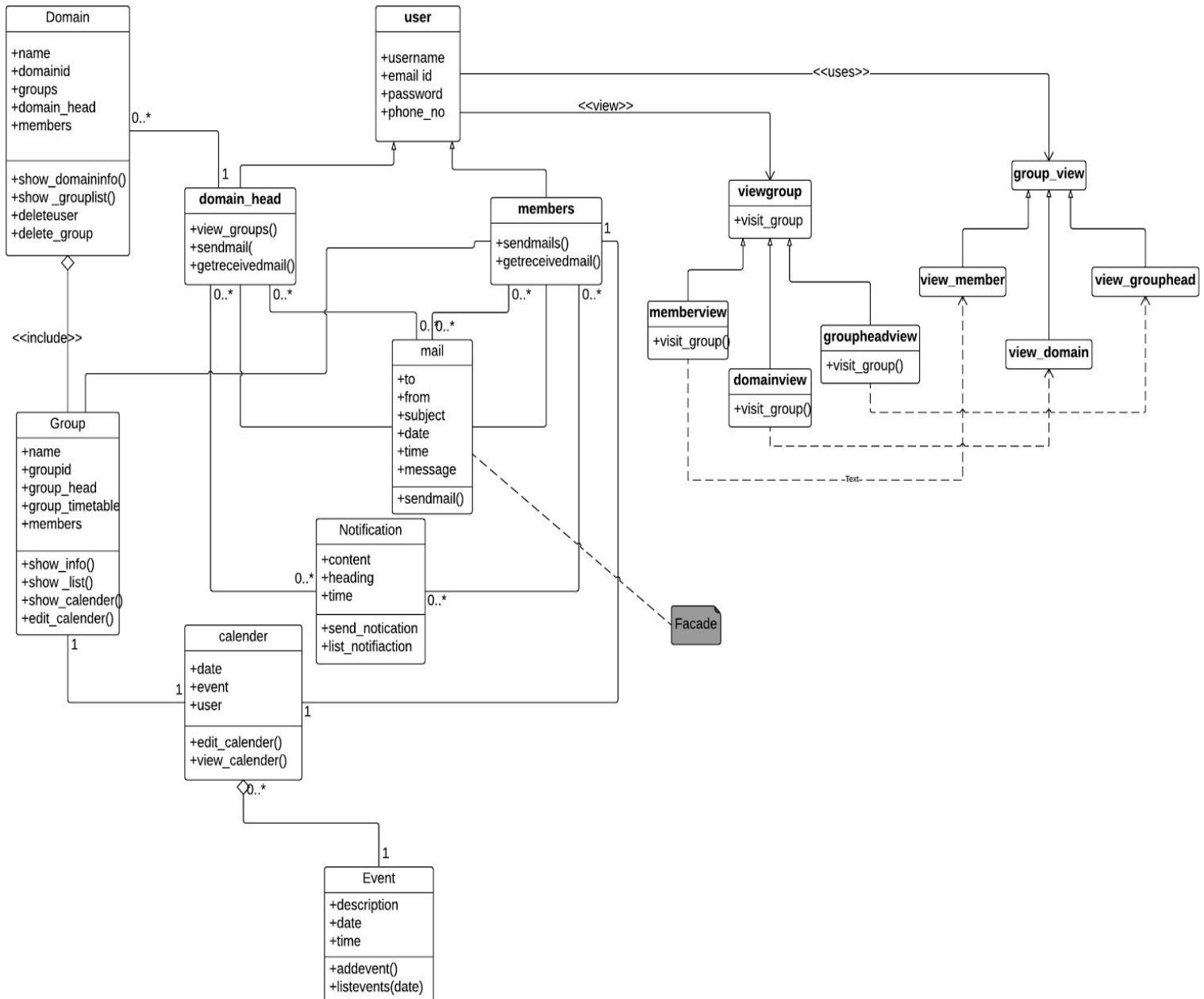
docket 8 Hello BANSALPUNIT@GMAIL.COM ▼

Compose Inbox Send Mail Create group View group Manage user Domain settings	<b>Member/s</b> sanyamjain@gmail.com rajatgoyal123@gmail.com priya2341@gmail.com	<b>Action</b>   
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## Class diagram – Revised and Extended

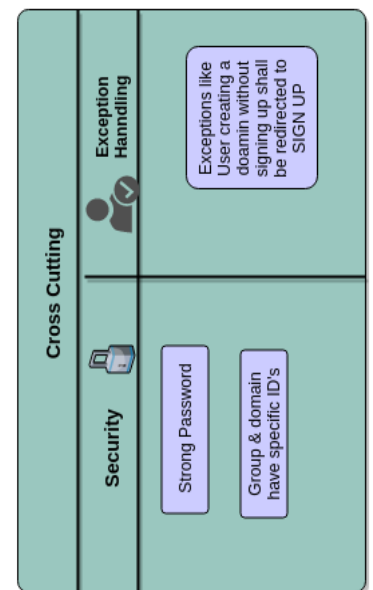
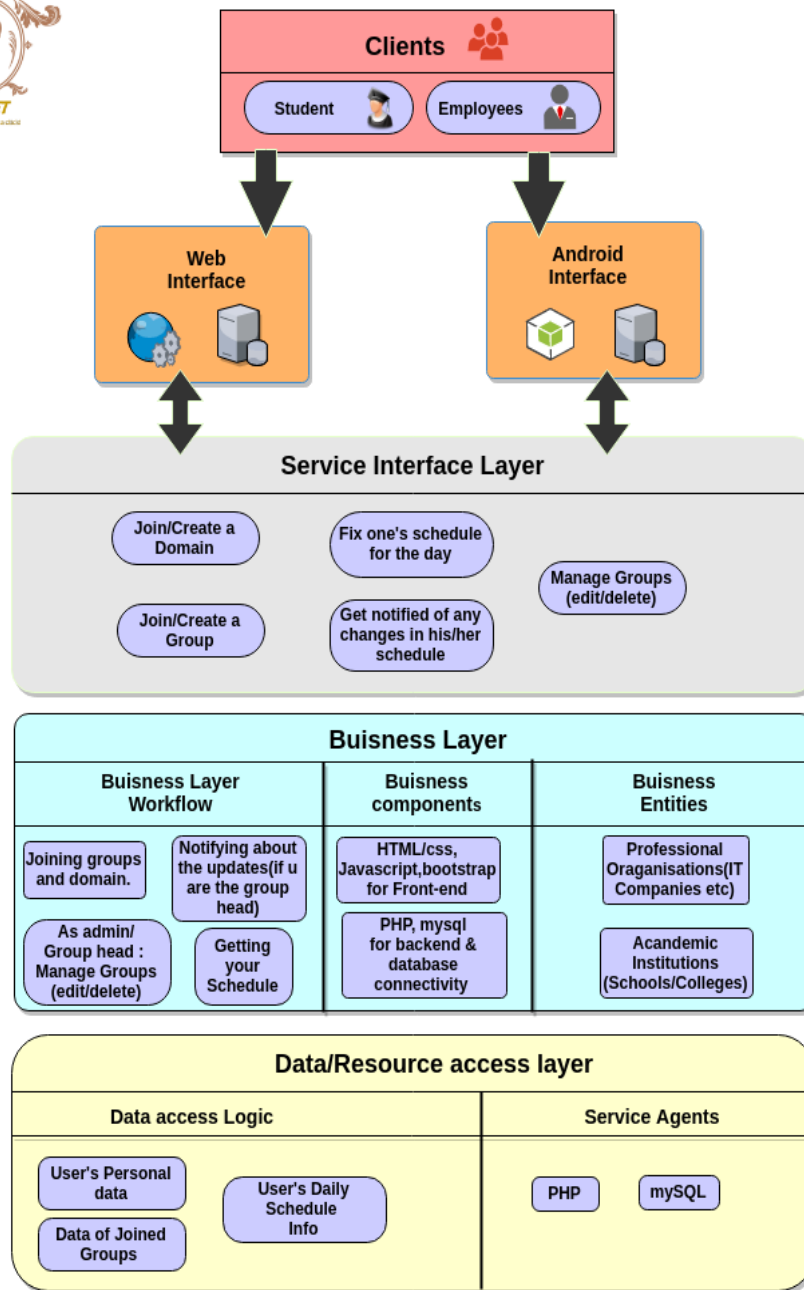


**Note:** We have incorporate the following design patterns:

**1. Abstract Factory Design Pattern:** The view of the user will be different for different users (grouphead, domain head and member), so we have used Factory pattern.

**2. Facade Pattern**

# System Architecture Diagram



**Scrum Minutes of the Meeting (Two entries per week for each team member)**

**Sprint 3 – Week 1**

<b>Team member</b>	<b>Work completed</b>	<b>Work planned</b>	<b>Impediments</b>
Sanyam Jain	Designing the front end of our web interface.	Making the wireframes and implementing the interface using those.	Placing the components while taking care of the ease of user to access was a bit tricky.
Pushpendra Bansal	Making the backend functionalities like the creating groups , maintain sessions,mail system and task system.	planned for storing data from UI and fetched them properly for a each user, group and domain.	Problem was faced in maintaining session of groups within domain and task scheduling.
Vasundhara Sharma	All the components (wireframes,activity diagrams,etc) were made successfully and added in the report.	Design new wireframes, updated activity diagram,class diagram and start working on the project report.	to include design patterns in class diagram was challenging
Rishabh Kapoor	Pages were developed with designing the UI.	Develop domain home page,user view of user group and improve the UI interface	have to keep UI simple for the ease of the user while including all the functionalities
Kshitiz Gupta	learned how to link layouts in navigation drawer and made pages.	UI design of signip,login page and to learn the linking of all layouts in navigation drawer.	problem faced in learning to use navigation drawer
Sakshi Sharma	card views of notification list,event list and group lists	UI Design and Card View of Event list, group list and Notification layouts	Problem faced in learning card view

### Sprint 3 - Week 2

Team Member	Work Completed	Work Planned	Impediments
Sanyam Jain	Implementing the domain front end of our web interface.	Implementing the new interface using front end technologies like bootstrap,JS etc.	It was difficult to think of a UI for the functionality, had to go through examples
Pushpendra Bansal	Added tasks for a fix date or manage calendar, added functionalities to the mail like reply, delete,etc, and solved other bugs related to database linking.	To manage calendar, make other functionalities working properly and to solve the database related bugs.	Handling all the exceptions, collaborating calendar part and managing the database was challenging
Vasundhara Sharma	Report was made and used "Kazam" to create demonstration video.	Report work should be completed as soon as possible and work on demo video.	To integrate the web app and android app video.
Rishabh Kapoor	Pages were designed and included the project and bugs were solved.	Design pages like about us, contact us and other pages and fixing bugs.	It was difficult to understand the bug(bug in frontend wrong use of bootstrap class).However it gave me new insights regarding the same.
Sakshi Sharma	All the pages were made successfully and were linked to settings	About, Team, User Profile UI designs and link it with Setting layout	to design the interface which is user friendly.
Kshitiz Gupta	add group and create group were included in navigation drawer and UI of both these were made.	Add new Group and Create Group layout and linking it to Navigation drawer in EventList	to design the interface which is user friendly.

### **Sprint 3 Summary**

<link to Screencast-o-matic (youtube video) demo with realistic data>

<Public link to access the system developed (e.g., bluemix app link)>

### **Review Summary (about the product)**

1	Android UI and UX design of different pages and linking them.
2.	Applying navigation drawer and card view on different layouts.
3	Added notification functionality in web application.
4	Added functionality of admin to delete a group or user or domain.
5	Added web functionality of adding and creating groups.

### **Retrospective Summary (about the process)**

1	Learning and then applying new techniques take time to be handy.
2	Knowledge of the used technologies to only some members lead to slow working pace of project as some tasks were limited to some members only.
3	Whole team worked properly, worked adhering to the deadlines and concentrated on the part assigned to them.
4.	Team was quite supportive throughout and gave inputs as and when needed required.
5	Different people have different opinions and it take time to get to a conclusion on any discussion.
6,	Also scope of our project was larger than we estimated it to be and needs more time to get it to little more professional level.

### **Overall Project Summary (max one page)**

The goal has been achieved by taking into consideration the Agile methodology for software development, requirements gathering and analysis, design pattern for software architecture and software testing. It is tailored within the scope of the project. After completing the first sprint comes the debugging on local server configuration. Next comes the Cloud server for testing and illustration purpose, the designing of the application was an interesting prospect for all of us and exceeded our expectations and will definitely help us in more challenging environment and has been an asset to us.

The development of the product has to gone through a long process which involves different stages. The idea for the project is explored and elaborated to determine the feasibility of the project and then worked upon.

This project that we have done as a part of SWE course gives us the major learning of how a software is actually built. We got to practice the key software engineering and project management techniques in small teams. We have learned to work on selected tools and development environments. It helped us get the hands on experience to different web development technologies like html/css/js, php,bluemix,GITHUB,etc.

It gave us the idea about the challenges we face while working in teams but by following the stepwise engineering and management techniques, we can actually go through the process very fluently.

#### Suggestions for extending the project:

I think the basic aim with which we started to build this project has been fulfilled to a lot extend.

From the peer reviews we have received, we have got many ideas as suggestions to be implemented to our website. So, the peer reviews have not only pointed out the flaws in the current working state of application but it has also provided us with some future plans.

We have started to build the android application also to give user easier access on smartphones. I am listing out some of the points out team has discussed for extending our project:

1. As the application provides a connecting platform too, we are thinking of adding some new functionalities for improving connectivity.
  - 1.1 We can include the “attach file” option in the mailing form.
  - 1.2 We have come up with the idea of providing the functionality of posting a message on group’s wall to the group head for taking suggestions on something or maybe for some news he/she wants to convey. For every new post, the members will be notified instantly and they can view and discuss over same thread.
2. We can provide the user with option to mark an event as attending and not attending, so that we pre-notify the user only for the events he/she wants to attend.