

PROJECT INCREMENT-2

UMKC HALLS

Team ID-11

Team:

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1. Project Goal and Objectives

1.1. Motivation:

As the students and faculties are facing difficulties in scheduling and reserving available conference rooms and auditorium for meetings and events respectively, as every time they need to consult required authorities for availability of rooms regularly to reserve rooms. Our application provides a better solution to book their room from their mobile which makes user conveniently in reserving room.

1.2. Significance:

This application provides with seating capacity and pictures of the room before reserving the room. On acceptance, the user will book the room.

1.3. Objectives:

To facilitate better room reservation system for students to held their meetings and events using their ANDROID gadgets which provides with good UI.

1.4. System Features:

- Scheduling appointments with respective venues.
- Can reserve the room with selected start and end timings.
- Confirmation through mail or message.
- User may have different functionalities based on their designations i.e., students, faculties and room allotment staff.
- Users can cancel their reserved rooms.
- Users get notified reservation status if there were any changes.
- Rescheduling can be done.
- Layouts available.

2. Second Increment Report

In this report, our team dealt with interface for the project and layouts using IONIC. The system is developed with the login page along with complete UI. Later on, it is redirected to our home page where different halls are available for room booking. The user can select the required hall to reserve. He can choose halls based on nearest distance which can be found in the menu option. Once the hall is selected, the page shows the layout and the amenities available with the hall. From that, the page directs to opt the timings and can book the appointment.

2.1. Services/APIs:

This project requires maps and calendar API as of now.

2.1.1. Used APIs:

Google Maps API: this helps in finding distance from user location to desired location or venues. Based on that, the user can fix his/her decision to book the venue.

2.1.2. To be used:

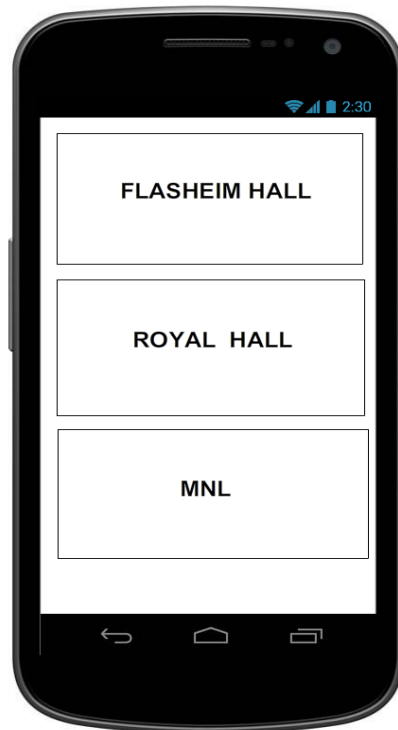
Calendar API: which helps in opting the dates for booking venues.

3. Detailed Design of features

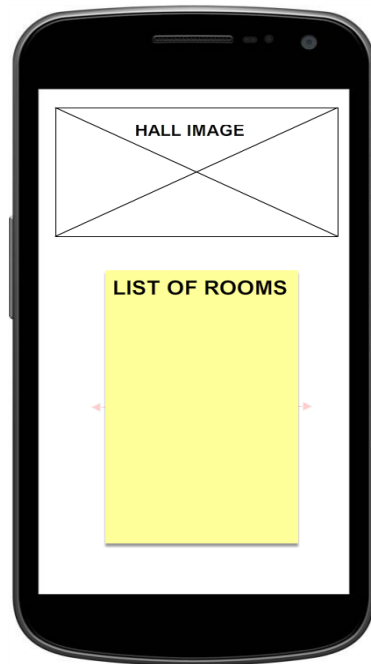
3.1.Wireframes:



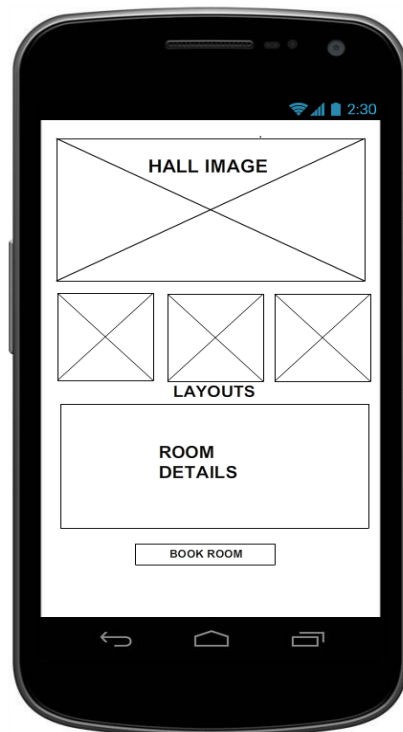
....after logging into the application home page is displayed.



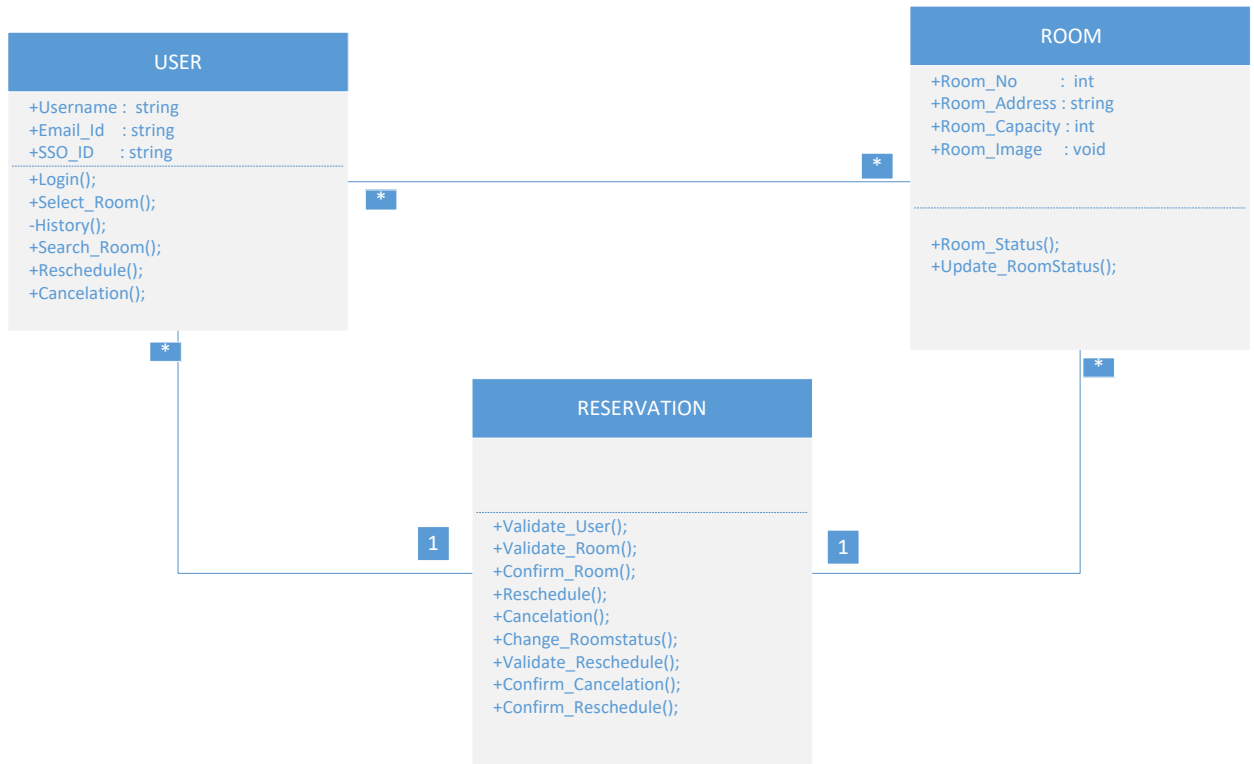
...on selection, it shows as following.



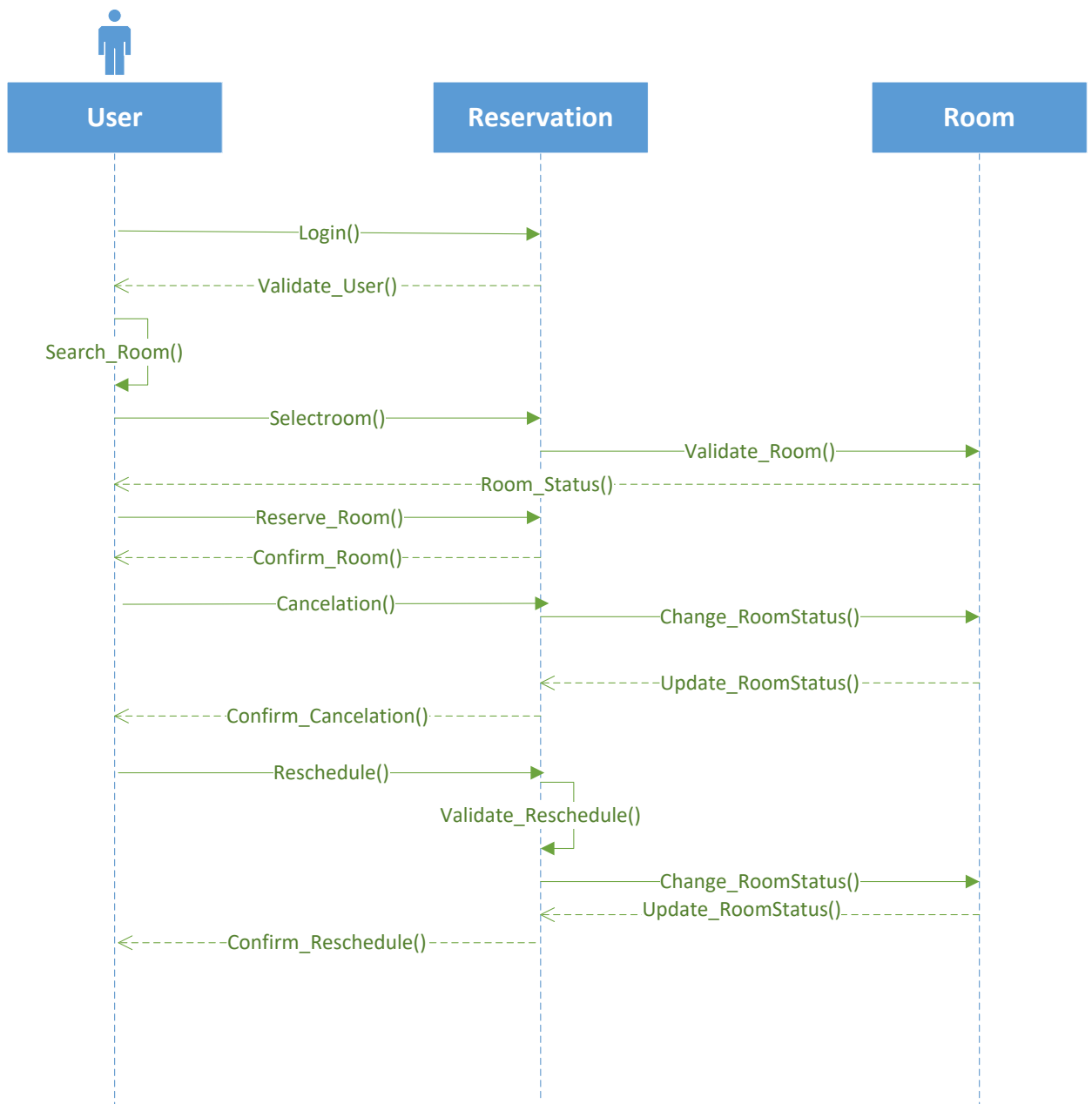
...after the room is selected, it shows all the details regarding room.



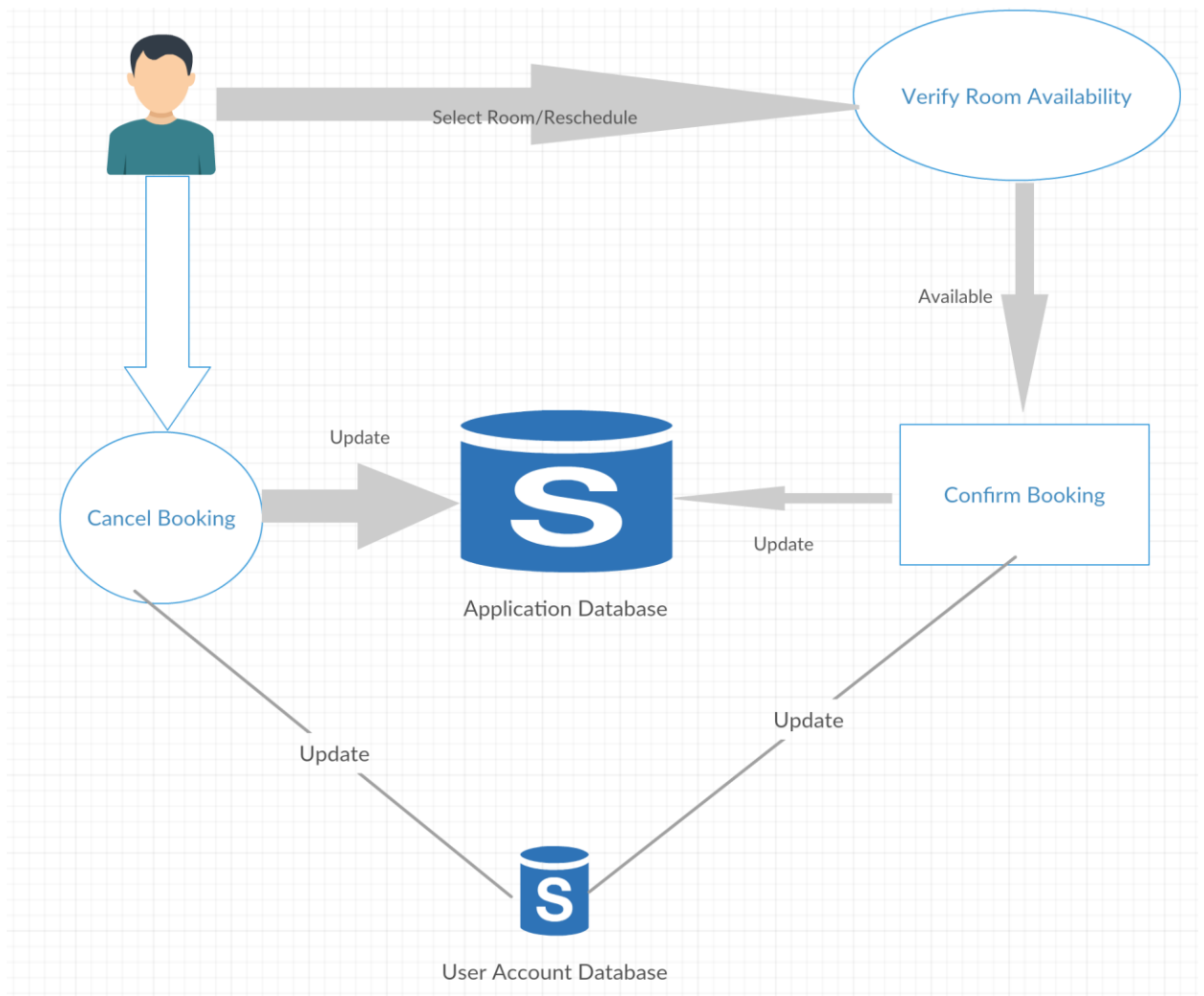
3.2. CLASS DIAGRAM:



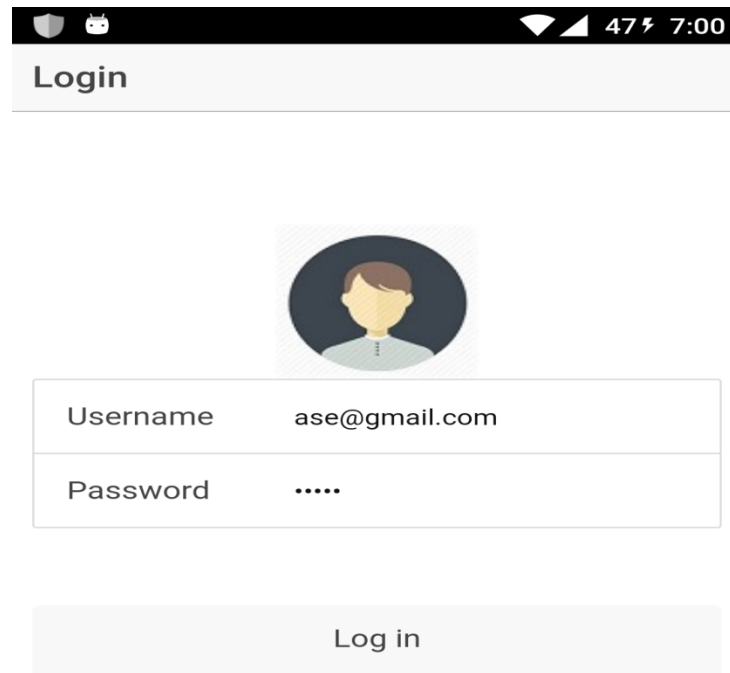
3.3. SEQUENCE DIAGRAM:



3.4. Architecture diagram:



4.Implementation and Deployment



A screenshot of a mobile application's login screen. At the top is a black status bar with a shield icon, an Android robot icon, a Wi-Fi signal icon, a cellular signal icon, 47% battery, and the time 7:00. Below the status bar is a light gray header with the word "Login" in bold. The main content area has a light gray background. In the center is a circular profile picture placeholder with a blue background and a yellow silhouette of a person. Below the profile picture is a white login form with two rows. The first row is labeled "Username" and contains the text "ase@gmail.com". The second row is labeled "Password" and contains five dots. Below the form is a light gray button with the text "Log in".

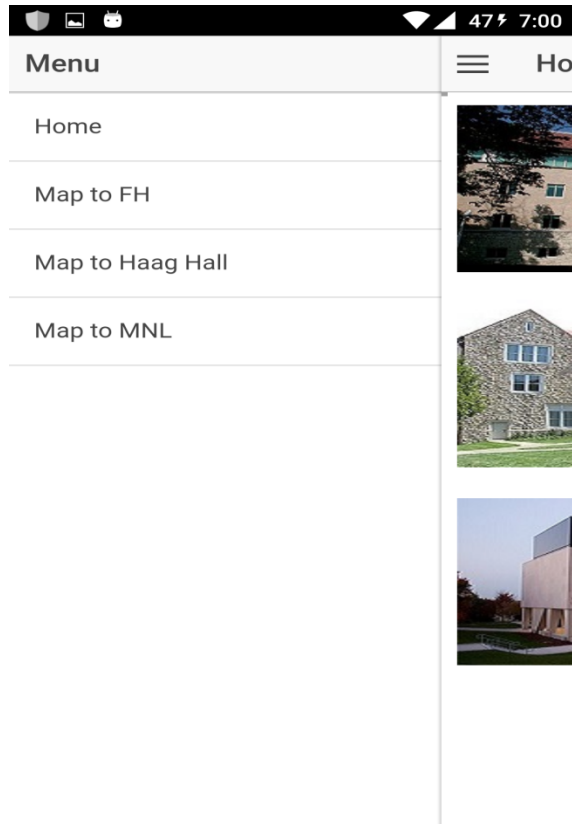
Username	ase@gmail.com
Password

Log in

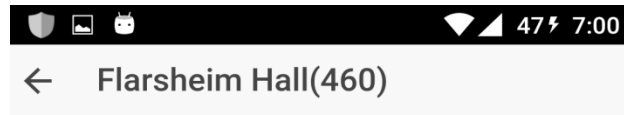
Entering the login information validates and takes to user home page



Displays all halls available on campus



Gives options for directions to halls, to book for nearer one.



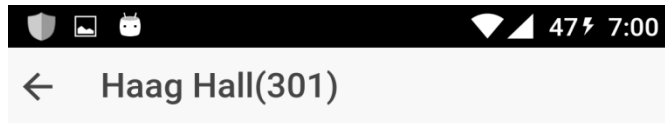
Equipment: HYBRID
type

Capacity : 30

Amenties :Video projector, Remote Control, Computer,
Laptop Connection, DVD/VCR, Document
Camera, Projection Screen, Wireless Mouse,
Auxiliary Audio Input, Desk Microphone,
Lapel Microphone

Select the timings

Display hall capacities and facilities available like presentation, wifi, etc.

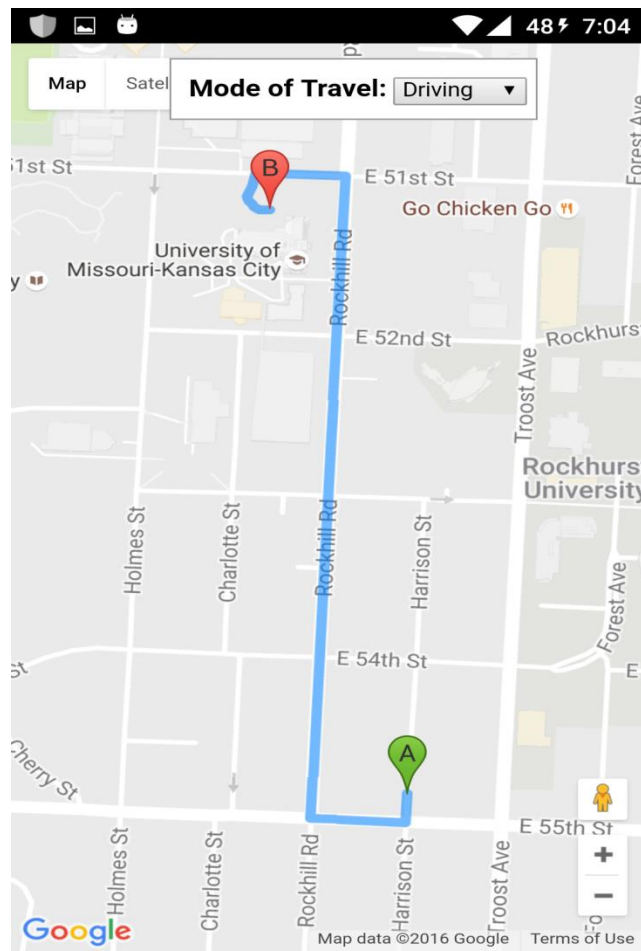


Equipment: STANDARD
type

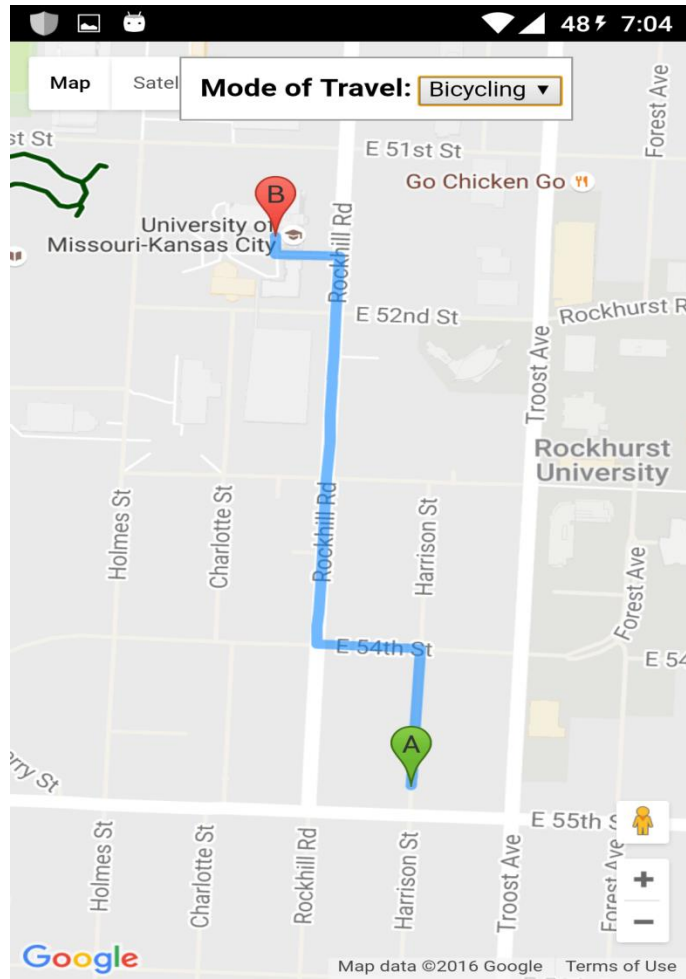
Capacity : 130

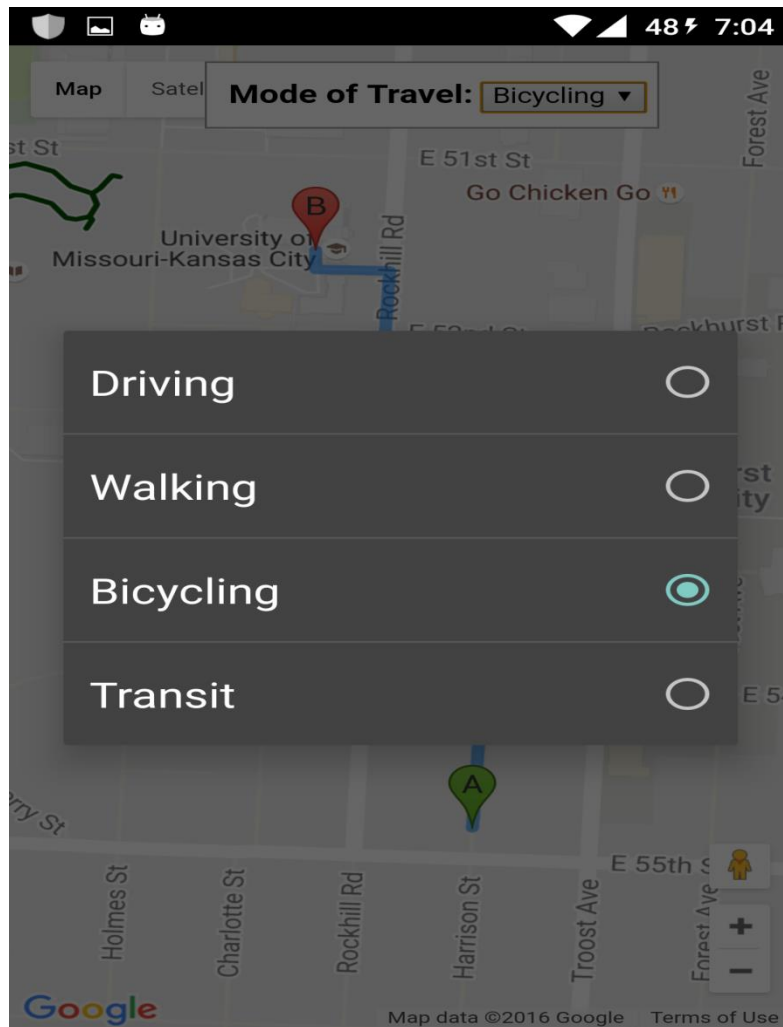
Amenties :Video projector, Remote Control, Computer,
Laptop Connection, DVD/VCR, Document
Camera, Projection Screen, Wireless Mouse,
Auxiliary Audio Input, Desk Microphone,
Lapel Microphone

Select the timings



Gives the route from present location to the destination





Provides route in different modes of transport available

5.Project Plan

5.1. Zenhub Screenshot:

For the increment-2, we have dealt with some issues which as shown below.

The screenshot displays the Zenhub interface for the repository 'harshasaranam / ASE_FINAL'. The top navigation bar includes links for Pull requests, Issues, Gist, and ToDo. The repository name is shown as 'harshasaranam / ASE_FINAL'. The 'Issues' tab is selected, showing 6 open issues. The filter 'is:issue is:open' is applied. The issues are listed as follows:

Issue Title	Count	Status	Progress	Milestones
documentation	9	Open	In Progress	Increment-2
UML diagrams	6	Open	Done	Increment-1
database connectivity	20	Open	New Issues	Increment-2
email notification	20	Open	In Progress	Increment-2
Maps	13	Open	Review/QA	Increment-2
IONIC interface	25	Open	Done	Increment-2

💡 ProTip! Exclude everything labeled bug with `-label:bug`.

5.2. Project Timelines, Members, Task Responsibility

The issues at different stages (in progress, review, done and closed) of our implementation is shown below:

The screenshot displays the GitHub interface for the repository 'harshasaranam / ASE_FINAL'. The top navigation bar includes links for 'Pull requests', 'Issues', 'Gist', and 'ToDo'. The repository name is followed by 'Watch', 'Star', and 'Fork' buttons, each with a count of 0. Below the navigation bar, the 'Issues' tab is selected, showing a count of 8 issues. The 'Boards' tab is also visible, showing a count of 1 board. The main content area displays a Kanban board with five columns: 'New Issues', 'In Progress', 'Review/QA', 'Done', and 'Closed'. Each column contains a list of issues with their titles, labels, and status. The 'New Issues' column has 1 issue, 'In Progress' has 2, 'Review/QA' has 1, 'Done' has 2, and 'Closed' has 3+ issues. The issues are labeled with 'Increment-1' or 'Increment-2'.

Column	Issue ID	Issue Title	Label
New Issues	ASE_FINAL #5	database connectivity	Increment-2
In Progress	ASE_FINAL #4	email notification	Increment-2
In Progress	ASE_FINAL #9	documentation	Increment-2
Review/QA	ASE_FINAL #3	Maps	Increment-2
Done	ASE_FINAL #6	UML diagrams	Increment-1
Done	ASE_FINAL #2	IONIC interface	Increment-2
Closed	ASE_FINAL #7	Architecture diagram and wireframes	Increment-1
Closed	ASE_FINAL #8	Documentation	Increment-1
Closed	ASE_FINAL #1	Login(android studio)	Increment-1

5.3. Work breakdown structure (Burn-down chart):

The burn-down for the above issues is displayed below.



This phase deals with maps and calendar issues as major ones, which are under process.