Find A Room
Sprint 3 Planning Document
CS 307

Team 13(Snoxy)

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Members:	Nathan Chang
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	Saranyu Phusit(Gott, Team leader)
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Project Coordinator:	Miguel Villarreal-Vasquez

1 Sprint Overview

Navigating user to the destination.

1.1 Scrum master

- Saranyu Phusit, who has experience in developing mobile applications using tools similar to Phonegap.

1.2 Meeting Schedule

During the class time and during a day every weekend.

2 Current Sprint Detail

2.1 Functional user story for this sprint

As a user...

- I would like to see the suggestions while inputting the destination

- I would like to see the shortest path to my destination highlighted on the map

- I would like to have a step-by-step instructions to guide me to the destination

- I would like be able to re-input my location if I am away from the directions.

- I would like to be able to manipulate the map to view where I am better

- I would like to have a good user experience using an app

- I would like to be able to communicate with people who are currently inside the building.

2.2 Task details

User Story: As a user, I would like to see the suggestions while inputting the destination		
Tasks	**Estimate time**	**Owner**
Application shows the possible destination as an autocomplete list for the textbox	2 hours	Nathan
User Stories: As a user, I would like to see the shortest path to my destination highlighted on the map		
Tasks	**Estimate time**	**Owner**
Specify the navigation nodes and configure the database to make these nodes be able to correspond to any destination	6 hours	Yao
Create the database for the edges between all the navigation nodes	4 hours	Zilun
Apply the shortest path algorithm to find the route to the destination	4 hours	Yao
Show the path on the map screen	4 hours	Gott
User Story: As a user, I would like to have a step-by-step instructions to guide me to the destination		
Tasks	**Estimate time**	**Owner**
Automatically generate the instruction from the path between any two navigation nodes in the route	8 hours each	Yao Zilun
Automatically generate the instruction from the navigation node to the real destination	8 hours each	Zilun Nathan
Design a UI for showing the instruction on the screen	4 hours	Gott
Implement the UI and interactions for this screen	10 hours each	Gott Xiaojing
Provide the way for the user to respond whether he/she has completed each step of the instruction or not	4 hours	Zilun
User Story: As a user, I would like be able to re-input my location if I am away from the directions.		
Tasks	**Estimate time**	**Owner**

Design a screen to help user to re-figure out where they are	4 hours	Gott
Implement this helper screen and connect it to the existing QR-code scanner and the manual location input	8 hours	Xiaojing
Re-calculate the shortest path and restart the navigation	4 hours	Yao
User Story: As a user, I would like to have easy-to-find qr code on the wall at every corner,crossroad and entrance		
Tasks	**Estimate Time**	**Owner**
Print the qr codes out and put it on the corners and entrances of the test building	30 minutes	Nathan
User Story: As a user, I would like to be able to manipulate the map to view where I am better		
Tasks	**Estimate Time**	**Owner**
Implement scrolling the map vertically and horizontally	4 hours	Nathan
Implement zooming the map in and out.	6 hours	Nathan
User Story: As a user, I would like to have a good user experience using an app		
Tasks	**Estimate time**	**Owner**
Implement the mobile-app-like transitions between pages	8 hours each	Gott, Nathan
Design and Implement the navigation menu	3 hours each	Gott, Xiaojing
User Story: As a user, I would like to be able to communicate with people who are currently inside the building.		
Tasks	**Estimate time**	**Owner**
Design and implement the messaging screen	8 hours	Xiaojing
Show the available users inside the building	6 hours	Zilun

The remaining user story:

Theme, As a _____	I would like to	Need to add "if time follows"
Administrator (Building Owner)18	have an API to add destination and new map data	Yes