Find A Room
Sprint 2 Planning Document
CS 307

Team 13(Snoxy)

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1 Sprint Overview

Allow user to enter the destination that they want to go to. The application will also give recommendations for popular locations in that building.

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 have a QRcode scanner.

- I would like to use the QRcode scanner to determine the location from the map data.

- I would like to have an interface to input the destination.

2.2 Non-functional user story for this sprint

As a user...

- The app should work with any building with basic structure

- The size of the app should be small

2.3 Task details

User Stories: Have a QRcode Scanner		
Tasks:	**Estimate time**	**Owner**
Create UI for QRcode Scanner	5 hrs	Gott
Open the Camera for taking photos of QRcode	iOS: 7 hrs Android: 5 hrs	Xiaojing Nathan
Application receive the QR code photo	iOS: 8 hrs Android: 3 hrs	Xiaojing Nathan
User Story: Use the QRcode scanner to to determine the location from the map data		
Application resizes and adjusts the QRcode for later QR code recognition.	iOS: 7 hrs Android: 6 hrs	Xiaojing Nathan
Read QRcode and find the corresponding ID to the QR code.	iOS: 8 hrs Android: 5 hrs	Xiaojing Nathan
Use QRcode ID to find the corresponding map	6 hrs	Nathan
User Story: User can input the destination		
Application receives user input from input text box	9hrs	Zilun Mai
Application filters the possible destination while inputting	12hrs	Yao Xiao
Application provides buttons helping input, such as finding restrooms, or exiting the building	6hrs	Gott Phusit
Application receives the request for restrooms or exiting the building.	3hrs	Zilun Mai
Application lists all restrooms and exit nodes.	6hrs	Zilun Mai
Application receives the final input and transfers into a Node class	6hrs	Yao Xiao
The final destination will be shown on map with the right scale and position	15hrs	ZIlun Mai
Have the edge and node setup for the map	12hrs	Yao Xiao
Design the navigation screen and make a mobile-like interaction	18hrs	Gott Phusit

Functional Requirements		
Theme, As a _____	I would like to	Need to add "if time follows"
User(Student and visitor)	open the application	No
User(Student and visitor)	have a solid database which stores all the map data	No
User(Student and visitor)	have a qr-code scanner	No
User(Student and visitor)	have easy-to-find qr code on the wall at every corner,crossroad and entrance	No
User(Student and visitor)	use the qr-code scanner to get information to determine the location from the map data	No
User(Student and visitor)	have a interface to input the destination	No
User(Student and visitor)	use the short distance algorithm to get to the destination	No
User(Student)	have several popular destinations for quicker access (for example, room 224 for CL50 building).	No
Administrator (Building Owner)	have an API to add destination and new map data	Yes
User(Student and visitor)	be able to communicate with people (or friends) who are currently inside the building.	Yes
Non-Functional Requirements		
Type	Details	Need to add "if time follows"
Response Time	The response time after user starts walking should not be more than 1 second	No

Scalability	The app should work with any building with basic structure.	No
Reliability	The app should lead the user to the destination as quickly and precisely as possible.	No
Size	The size of the app should be small (i.e. the user should be able to download it in less than 2 minutes).	No
Supportability	The app should work without having the developers add the map and checkpoints manually.	Yes
Security	(For knowing friends' location part) ,strangers can not access any information of users, including the chatting contents and friends list.	Yes