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 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
Allow the user to request help from the person inside the building	6 hours	Yao
Allow the user to set the status offline	2 hours	Yao