Very good work - B

TEAM 1 ICT-2102 Assignment 3

Brainstormed design ideas

Description and discussion process
Design ideas brainstormed:

1. Find all available routes for the user based on given start and end point.
    - When given two specific locations, the application should find all possible routes between the two points before evaluating the results to suggest the best route.
2. Detect congestion on route
    - For all routes found, system should refer back to congestion data and factor in any congestions that are found in the route to reflect a more accurate travelling time.
3. Detect transport's current capacity load (i.e. how full it is) How - seems a challenge??
    - From capacity data, system should reflect and display how full the bus/train is so that users can refer to the information and choose an alternate transport that might be less crowded.
4. Crowdsourcing from users for traffic conditions updates challenge ??
    - Users who find out about certain traffic situation (e.g. traffic jam, train breakdown) can login to their account and post a Traffic Condition Update to the application, to help keep other users informed.
5. Bookmark 'Favourite' routes
    - If a user tend to travel on a particular route often, or wishes to save it for future reference, they can bookmark a particular route they found and open the route information in the future.
6. Filter compiled results of routes based on user's preferences OK - its a good requirement, but is a small one
    - There might be a lot of different routes generated based on the user's location inputs, but not all routes might be of value to the user. Filtering the results to omit the routes that the user would not be interested in will help the user find the most preferable route quicker.
7. Track exact current location of transports OK - Good too
    - Helps user to track the exact location of the bus or train that he/she intends to board, to provide the user with an idea of how far away the transport is from reaching.

Good to have one line justification for the mapping you have created

Diagram: User value vs technical complexity

Design ideas chosen

Description and explanation why did you choose them - its good to justify

Design Idea #1: what is user's filter preferences

Find all routes and return results based on user's filter preferences all routes for what ??

- Combination of design idea 1 and 6. It is key to the problem that the user is able to find a route that is accurate with congestion data factored in. Additionally, the user should be able to choose to see only what they are interested to see. E.g. if a user with bus-concession wants to find directions, routes that requires them to take the MRT will not be their preferred route. If users can't find what they want to see easily, it will definitely affect their user-experience negatively.

Design Idea #2: - The idea is very good, but its difficult to actually have this in practise

Crowdsourcing from users for traffic conditions updates

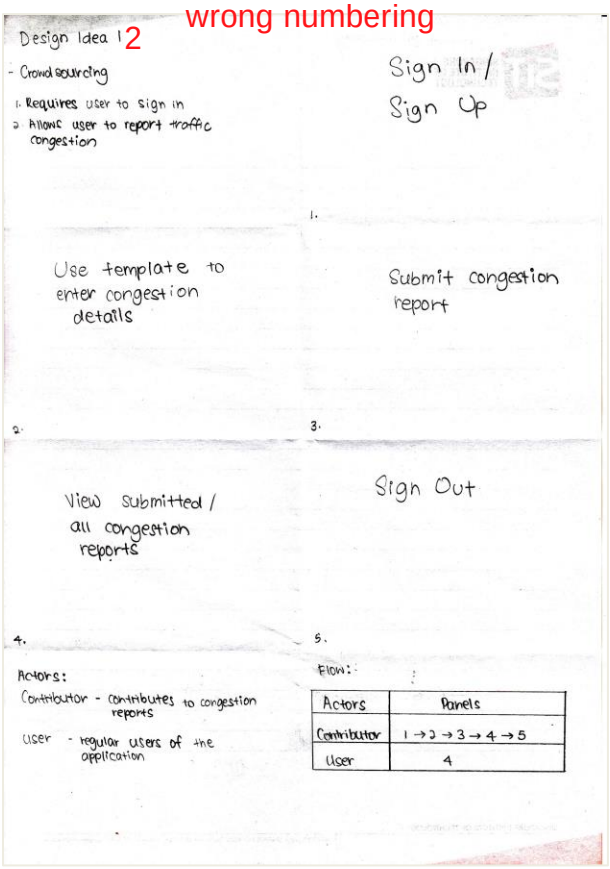
- Relatively easy to implement whilst data gathered from it can be very helpful as well. High user-value compare to the technical complexity it requires. Utilizing the congestion data gathered from crowdsourcing can help the other users a lot when providing directions for routes that are suggested to be congested by contributing users who had submit a traffic condition update.

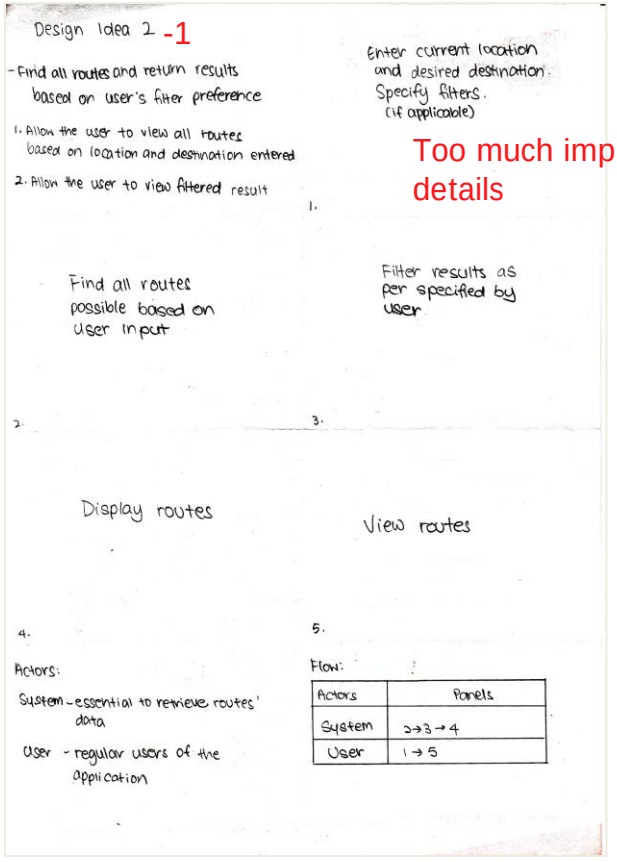
How will you crowd-source
Difficult to implement and comply to

Storyboards

Are there are any pre-requisites for the actions, any assumptions you have made??

wrong numbering

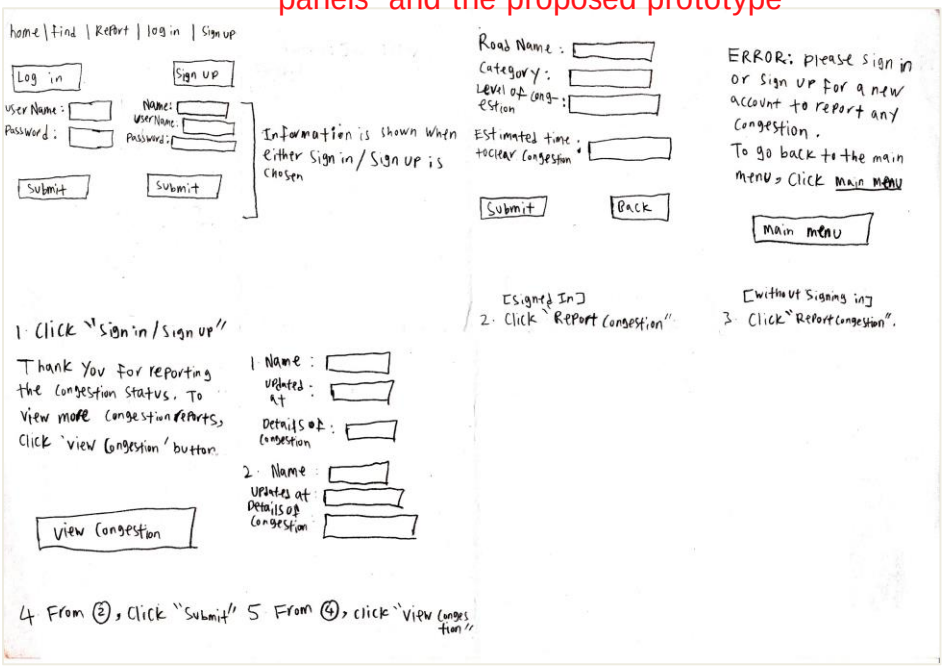




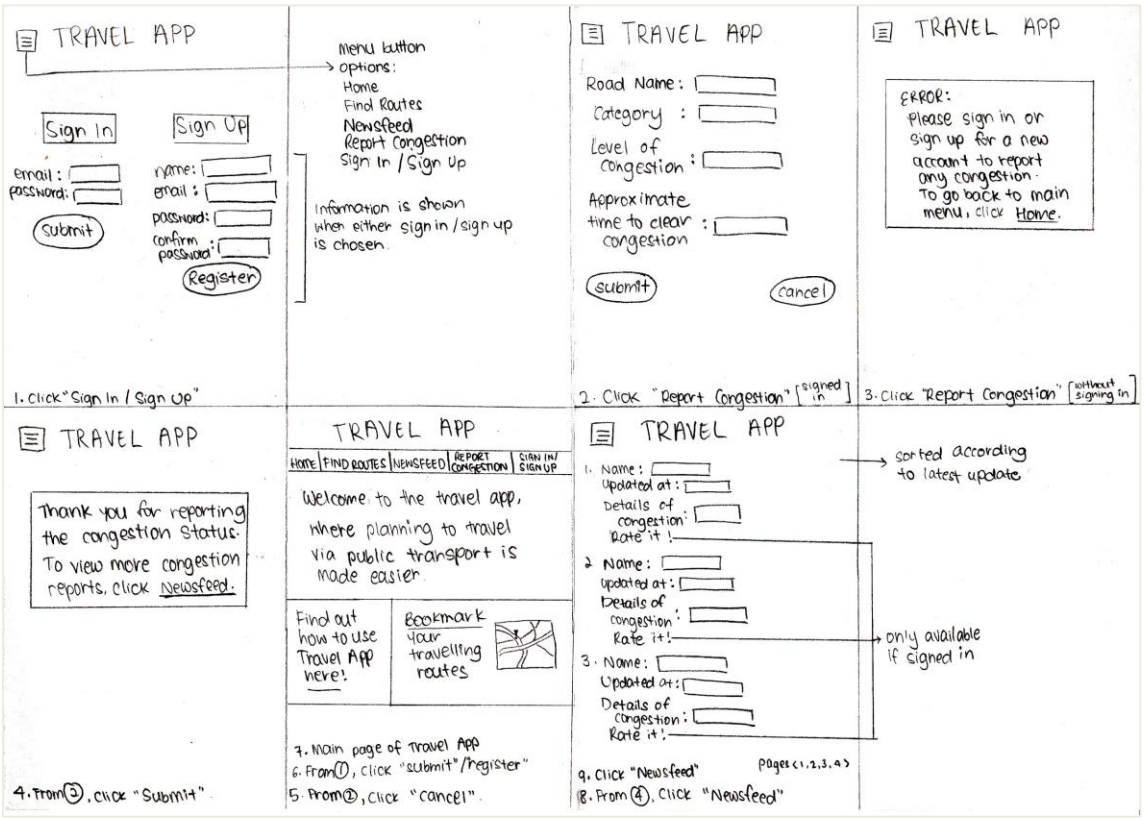
Please label the story boards with proper titles

Prototype

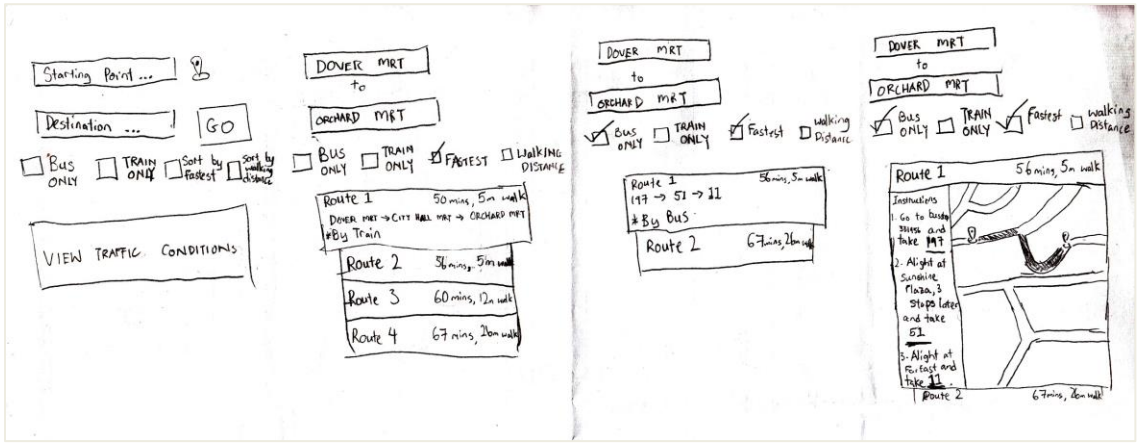
Design 1 (Low-fidelity): Good to have a few lines/ or a table about the mapping between storyboard panels and the proposed prototype



Design 1 (Med-fidelity): Good to have a flow diagram too



Design 2 (Low-fidelity):



Design 2 (Med-fidelity):

What is the flow??