COMP602

Software Development Practice

Stream 52/A
Lecture: 12:00 - 14:00 (WS114) (Monday)
Tutorial: 16:00 - 18:00 (WZ517) (Thursday)

Lecturer

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BusMe

Transport For Everyone

Software Development Practice Project

Members

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Transport should be fast, easy and convenient for everyone, so then why is it so difficult to use it? (AT got some opps 😤😤😤)
OurAuckland says that over 400,000 Kiwis use our public transport systems daily, to get to and from work, school and events!
However, potentially 30,000 disabled kiwis are in a constant struggle to get around, especially our future generation. (StatsNZ, 2013)

That's where BusMe comes to aid in our future!

The BusMe project is about creating a transport app for mobile devices. Particularly focusing on the needs for disabled passengers in Buses. This app will be accessible to schools or special event groups for planning the routes and stops for their intended customers. This app will have multilayered access restrictions for different users. This application will be an ease for the special needs children, who don't want to be in the spotlight for the disadvantages they have. This project is intended to be brought in life by having a real app for real people in need of it.

The Key Features will include:

* GPS Live Tracking using maps either GoogleMaps or some other tool available for tracking the live coordinates of a mobile device using the application.

* A vibration, flash and voice alert for the user on approaching the 15 metre diameter of the designated bus stop.

* Ability to navigate with voice instructions towards the destination in case of road closures, diversion or incident.

* 4xInterface platform for different users, Administrator(School or Event organiser), User1(Passenger), User2(Driver) and User3(Parent,Guardian or Relative) with different access and restrictions.

* User2 will be able to send alert notification in times of emergency stop by sending a vibration and voice alert to User1.

* User1 and User3 will have an encrypted communication network to text and voice message each other.

* A Database handling tool will be used preferably MongoDB.

So we are looking for team members who can:-

* Develop a high quality, user friendly application with C/C++, Java, VB.net or HTML language knowledge. However we are happy to work with someone who doesn't know these but know some other computer language to develop an mobile app.

* Bring in new thoughts and ideas to add more features into this application and most importantly can work together at the same pace as all other team members to finish the project on time.

* Be a team player.

We hope to see more of you to vote for us. The intention behind this project is to make a real app to serve our community with our skills. Thanks a lot for taking time to read through this pitch.