



# ROADIES

A global roadside assistance solution

CSSE7024/CSSE3004

# Agenda

- \* About Client & Project Brief
- \* Team roadies
- \* What is Roadies?
- \* Features
- \* Technologies
- \* Prototyping & User Research
- \* Timeline/Milestones

# SAP Research & Project Brief

- \* Research division of leading Software solution provider SAP.
- \* Provided Global roadside assistance as a project for CSSE7023/3004 course at UQ.
- \* Considered as our client in the project.



# Client Brief on Global roadside assistance

- \* **Global Roadside Assistance**

- \* **What it is**

- \* A service paid for by roadside assistance providers
- \* A free service for motorists
- \* An application for iPhone, Android and other mobile platforms
- \* Accessible globally

- \* **What it does**

- \* Automates Who, Where, and What questions usually asked of motorists when they request help
- \* Replaces the need for a call centre to answer significant part of roadside assistance calls
- \* Where the service cannot help, only then is a call centre operator required (exceptional cases)



# Team Roadies

- \* Aabhushan MAINALI (42507590)
- \* Christoph NIESEL (41521030)
- \* Jue WANG (41913710)
- \* Yu-jen CHEN (42520580)
- \* Zhiguon ZENG (41870288)

# What is Roadies?



- \* A global roadside assistance solution
- \* Android Application + Web application

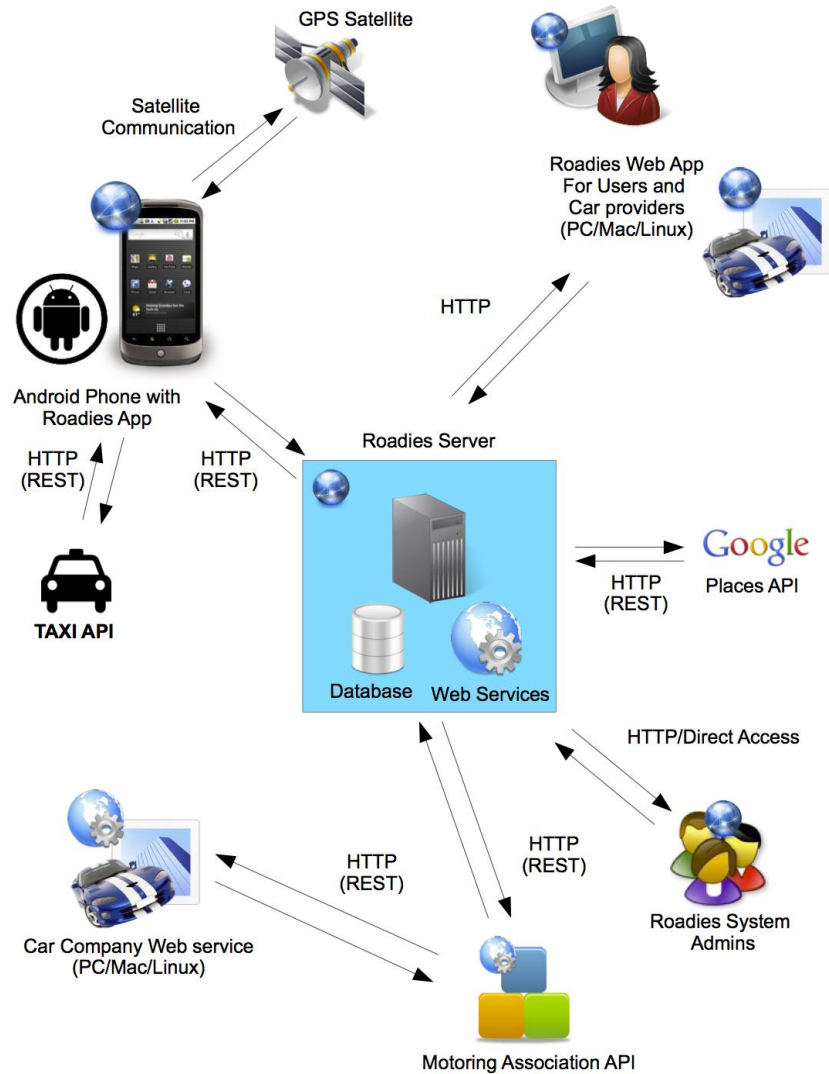
\* Accessed using:

- \* Android Phone

- \* Internet Browsers



# Rodies Architecture



# Progress?

- \* Brainstorming
- \* Product research
- \* User research
- \* Early Prototype
- \* User Feedback
- \* Prototype
- \* Final Design



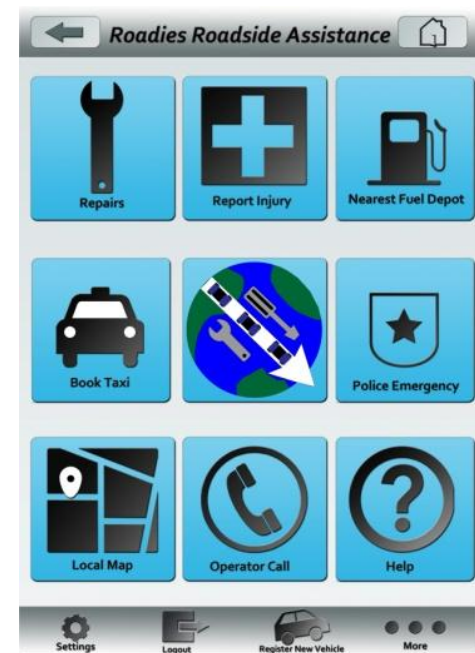
# Brainstorming & Product Research

- \* Brainstorming led to clean and simple UI for usability.
- \* Decided to follow current trends of Mobile App design.
- \* Current applications are individualistic to companies.
- \* Current solutions are not global.



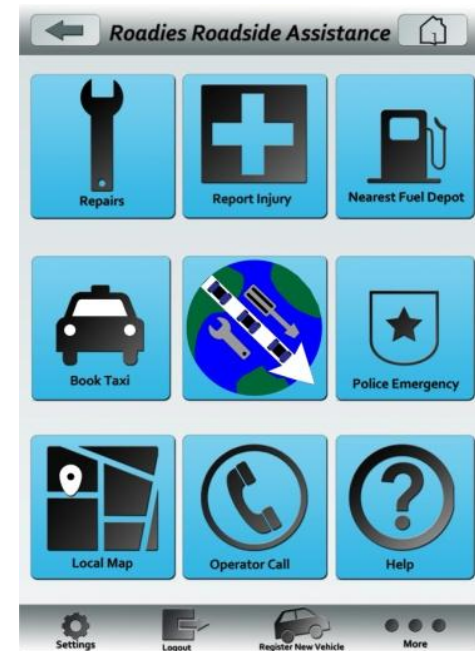
# User Research

- \* Larger screen icons
- \* Greater choice in options
- \* Easy to use
- \* Free
- \* Quick in giving response



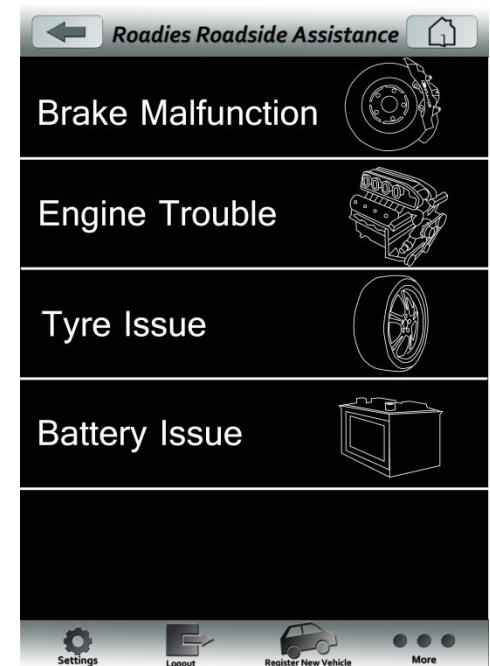
# Roadies & its features

- \* Mobile Application based:
  - \* Repair reporting
  - \* TAXI booking
  - \* Emergency/ Police number
  - \* Fuel Station information
- \* Web based history viewing

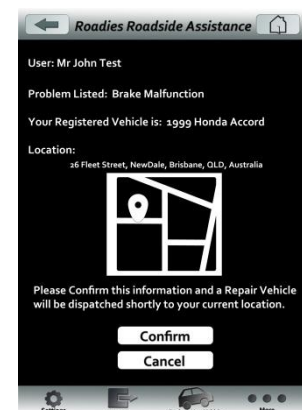


# Roadies' Repair

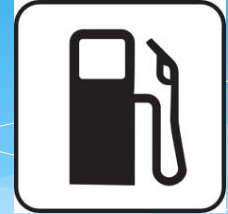
- \* User can report an issue
- \* User's problem, location and chosen vehicle details will be sent to the server
- \* Server connects with International Motoring Association API to communicate with car companies, dealers and motoring clubs.



# Roadies' Repair

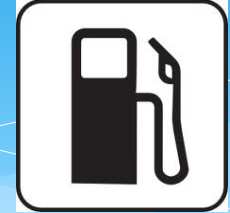


# Other Features



- \* Report Injury
  - \* allow the user to ask medical help
- \* Taxi Booking
  - \* allow user to book and confirm a taxi booking.
  - \* As we have no taxi club that provides API, a mock API will be used

# Other Features



- \* Police Emergency
  - \* police emergency number from the country/city the user currently is in.
- \* Operator Call
  - \* The user can be asked to pay yearly charge for this.
- \* Nearest Fuel Depot
  - \* Nearest Fuel from the current location.

# Technologies

- \* Android Development Platform (Framework version 2.3)
- \* Java Spring Framework
- \* MySQL
- \* Tomcat Server



# Project Timeline

- \* Suggested to start on 23rd July, 2012 and finish on 22nd October, 2012.
- \* Milestones according to functionalities and Resource availability

# Resources required

- \* Responsibilities:
  - \* Project Manager
  - \* Android and Web Application Developers
  - \* Web Designer
  - \* Testers
- \* Time required 280 Hours.
- \* Internet Facility
- \* Personal/Lab Computers

# Resources available

- \* Jue, Aabhushan, Zhigou (Gary), Dean available for maximum 15 Hrs/Wk
- \* Christoph available for 10 Hrs/Wk
- \* Aabhushan will be Project Managing and developing.
- \* Gary, Jue and Dean will be developing.
- \* Christoph will be designing.
- \* Everybody will be testing.

# Work break down

Basic feature: (about 2 weeks)	Time Allocated (Hrs)
Log in	
• Realizing Log in and log out	3
• Realizing Login recovery	3
• Test Log and validation	3
	Subtotal: 9 hours
Register new car	
• Create input	1
• Validate data	3
• Realize applying new car function	1.5
• Test registration function	3
	Subtotal: 8.5 hours

# Project Milestones

- \* Database – July 26<sup>th</sup>
- \* Basic functionalities like login, register – August 2<sup>nd</sup>
- \* Major functionalities – August 22<sup>nd</sup>
- \* Remaining mobile features – August 30<sup>th</sup>
- \* Functionalities of web – September 7<sup>th</sup>
- \* Final Package – 22<sup>nd</sup> October

Questions? Feedback?



Thank you!!

