SCRUMptious

IFB299 – Smart City

Week 1 - 2

# Developer List of Features

Calum Oke & Will Atkinson

* Account Registration system including options:
  + Student Account
    - Option to view colleges, libraries and city information
  + Tourist Account
    - Option to view hotels and city-related information
  + Businessman Account
    - Option to view hotels, industries and city-related information
  + Administration Account (embedded hiddenly, not optional by user)
* Login/Logout mechanic
  + Via Username and Password (require validation mechanic)
* Sign Up/Register mechanic
  + Using a unique Username, Strong Password and Real First and Last Name
  + Newly registered users have the option to add phone number, email and residential addresses at time of registration
* Implement access control (e.g. Student account can’t modify/add city information like the administration account can)
* Administration privileges:
  + Upload a map of the city to the system
  + Option to promote an existing account to administrator or create a new one (performed on a separate webpage)
  + Create/modify information in system using some form of gesture:
    - Colleges
      * Name, address, departments, email address
    - Libraries
      * Name, address, phone number, email address
    - Industries
      * Name, address, type, email address
    - Hotels
      * Name, address, phone number, email address
    - Parks
      * Name, address, phone number, email address
    - Zoos
      * Name, address, phone number, email address
    - Museums
      * Name, address, phone number, email address
    - Restaurants
      * Name, address, phone number, email address
    - Malls
      * Name, address, phone number, email address
* Option to select city the account wishes to view
  + Using a combobox or drop down box to choose the required city
  + Cities include:
    - Brisbane (main focus)
    - Sydney
    - Melbourne
    - Adelaide
    - Perth
    - Canberra
    - Hobart
    - Darwin
* Robust to dynamically add additional services for future applications (such as metro rails, education services, travel services, etc.)

# Client List of Features

Ruka To

**Reviews by the users and sort options**

* Users can rank the place out of 5 and comment on it
* Users can view the places in several different preference orders
* Most popular (Highest rank)
* Most commented
* Price range

**Information to be displayed**

* The place’s information should have its name, address, phone number, email address, open hours, nearby public transports, links to their official or relevant sites and short description.
* The short description should tell the popular and recommended things from the place. (Help the users decide whether they want to go or not.)
* Relevant events if there is any happening.

**Simple city map**

* Display pins of suggested places
* Allow the users to modify what kind of places to see on the map
* Most popular (Highest rank)
* Most commented
* Price range

**Allow users to create threads**

* Users can exchange information regarding small events in the city. E.g. Limited time discount at a certain store.
* Allow a search function by words and some sort options
* Time range of the threads created (e.g. last 24hrs, last 7 days…etc.)
* Most active threads (e.g. number of comments in the last 24hrs)