Smart City - Features List

CRA - [Here on Blackboard](https://blackboard.qut.edu.au/bbcswebdav/pid-6947775-dt-content-rid-9095394_1/courses/IFB299_17se2/smart_city_project_Final.pdf)

Abstract:

The IFB299 Smart City project is a Browser based web page which gives users access to information about their city. This system will need to use databases to store information about each city, and their various facilities. Clients of this system will be provided with information specific to their user profile.

Features:

Users:

Users need to be able to **Register Accounts** (as either Business, Tourist or Student)

User info (mandatory): **Name, username, password**

User info (optional): **phone number, email address, residential address**

Registered users need to be able to **Log In** to use the Smart City service

**User types:**

* Business

Can view **Hotels**, **Industries**, and **City** information

* Student

Can view **Colleges**, **Libraries**, and **City** information

* Tourist

Can view **Hotels** and **City** information

* Admin (manages website) :

Admins can only be created by other admins

Admin can create and change all forms of information across all cities

**All users can view City information**

If a user searches for information they’re not prescribed to (eg. Tourist searching for Colleges), they should still be allowed to view that information

Information:

Specific city information (unique to some users):

* Colleges (**Student** can access)

College name, Address, Departments, Email address

* Libraries (**Student** can access)

Library name, Address, Phone number, Email address

* Industries (**Business** can access)

Industry name, Address, Industry type, Email address

* Hotels (**Business** and **Tourist** can access)

Hotel name, Address, Phone number, Email address

General city information (anyone can access):

* Parks

Park name, Address, Phone no, Email address

* Zoos

Zoo name, Address, Phone no, Email address

* Museums

Museum name, Address, Phone no, Email address

* Malls

Mall name, Address, Phone no, Email address

* Restaurants

Restaurant name, Address, Phone no, Email address

* City Map

Cities:

This system should be able to accommodate information for more than one city. Example cities include:

**Brisbane, Sydney, Melbourne, Adelaide, Perth, Canberra, Hobart, Darwin** and etc.

(Admins should be able to create entries for new cities.)