
420-P82-SU

Mobile Application Development I
AEC Programming and Web Technologies
Final Practical Work

Weighting :

30% of final mark

To submit :

- Send you final project via email.
- Due date: last class.

Description :

Develop a native mobile Android app. The subject will be as follow:

When your app starts it will show a login activity. If there's no user is subscribed, then you need to open a register activity.

After a user register and login, the app will show a list view activity. It will be a list of city names.

A menu will give you the option to add a city in another activity, the user must enter a city name and a latitude and longitude values. After you add a city you can go back to the list view.

If you click on an item of the list view a new activity will show a google map with a marker on the city position.

Required features:

Your application MUST:

- You can use Activity or Fragments.
- Use persistence with shared preferences or database
- Use menus, dialogs or toast.

Evaluation:

The evaluation will take into account the following points:

- Project concept
- Application functional and execution
- Decoupled logical layers of the application
- Outsourcing of resources
- [The management of resources (images, files, styles ...) in Android makes it possible to separate the logic of the application from the part of view. A clear outsourcing of resources ensures greater readability and makes it easier to adapt the application to different specifications (screens, languages).]
- Presence of requested features (menu, dialogue...)
- Management and degree of complexity of the application
- Ergonomics and aesthetics
- Public presentation

- Teamwork