

## **IAT359 Course Project – Milestone 1: Application Proposal (10 marks)**

### **Project Proposal:**

The project proposal is intended to specify the details of what you are planning to do and how much you expect to accomplish.

Read carefully through the project description document to make sure that your proposal meets all project requirements.

Each team is required to submit a document about 3-4 pages long, which should contain the following sections:

**Cover Page:** Include the title of your project, your name and student ID.

**Abstract / Summary:** A brief description of the application you are proposing (around 100 words).

**Overview:** Describe what your project will be and why is it interesting and useful. Here you can also include any background information that the reader should know before proceeding to the proposal (for example definitions of terms, explanations, etc.).

**Purpose of the application:** State the category of your application (gaming, utility, etc.). Describe the purpose of the application, the benefits the users will derive from it, where it will be used and explain the practical need for the app.

**Functionality:** This section describes all the functions your application will perform. Enumerate the functionalities that you wish to implement. Describe what is the **basic functionality** that your project will have, the **standard functionality** and the **bonus functionality**. What you describe here will be used to grade your project. It is important that the functionality of you project matches the time available for development (about 7 weeks).

- **Basic functionality** is just minimal functionality of the application; it should not take more than one week to work on this one. Having implemented only basic functionality your grade will be in the range of 45-50%, not exceeding 50%.
- **Standard functionality** encompasses all the core features of the application and by the end of the implementation of this functionality the goal of the application should be fully achieved and all the requirements of the projects should be met (activities, implicit and explicit intents, data storage in shared preferences and SQLite database of the app, sensor usage plus GPS or camera usage). In

regards of timeline, the work on standard functionality should last for about 5 weeks. Having implemented the standard functionality your grade can go in the A range, depending on the quality of work.

- **Bonus functionality** refers to features that are 'nice to have', but are not strictly necessary for the app to meet its goal. Typically you would include here implementation of features that go beyond what we have covered in the course and that require you to do reading and research outside of class. Something that is simple to do and / or we have already covered it in class cannot qualify as bonus feature. Having bonus features working well in your project and all standard functionality working can bring your project in the A+ range. .

**Meeting the requirements:** Describe how your proposed concept matches all the requirements for the course project.

**Structure of your application:** Describe the organization of your application ('sitemap'). This will probably change throughout your design and implementation process, however your initial submission will demonstrate that you have given some thought to this, and considered hierarchy aspects of your application.

**Timeline:** Include a timeline for your project, week by week. Start with October 18 (due date for this milestone), and show the work to be done across each week, up to the end of the term.

