

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 to 4 pages long, which should contain the following sections:

Cover Page: Include the title of your project, student names and student IDs

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.).

Category of the app: State the category of your application (gaming, utility, etc.).

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 **exceeding functionality**. What you describe here will be used to grade your project. It is important that the functionality of your project matches the time available for development (about 7 weeks).

- **Basic functionality**

- This is just **minimal functionality** of the application, and it should take about one week to implement this functionality. Having implemented only a well-working 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 project 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 fully working standard functionality your grade can go in the 75% - 80% range, depending on the quality of work and complexity.

- **Exceeding 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 extensive reading and research outside of class. Something that is simple to do and / or we have already covered it in class cannot qualify as an exceeding feature. Having exceeding features working well in your project and all standard functionality working as expected can bring your project in 80 - 100% 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 ('site-map'). 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 the due date for this milestone, and show the work to be done across each week, up to the end of the term. Ensure that your timeline is matching the three functionalities (basic, standard, and exceeding) as described above.