Dept of Computer Science and Information Systems

BSc Final Year Project Form (2015/2016)

1. Proposal

The student should complete parts 1(a), 1(b) and 1(c) below, and then agree the maximum pocket values with the supervisor and put these in part 2(a) below. An electronic version of this form should be uploaded to the Final Year Project page on Moodle no later than **Monday 2nd November 2015**.

(a) Student details

Name: **Email:**	**Project Information Systems and Management Type 4 (BUCI027S6)** **Project BSc Computing (COIY039S6)**

(b) Project details

Title:

The design and build of a native iOS application to help caterers and restaurateurs implement a food safety management system (FSMS).

Objectives:

To give a detailed description of the topic and current work/applied technology in this area

To outline what a FSMS is:

- Legal requirements
- Existing FSMSs
  - Safer Food Better Business
    - Background
    - Uptake vs other systems
  - Other Systems
  - Success / lack thereof in implementation of FSMSs
- Pros/Cons of digitisation
  - Interactivity
  - Scheduling tasks
  - Notifications of problems to management
  - Reliability
    - Offline capability
- Similar digital systems
  - In food
  - In other safety critical industries

To draw conclusions from this research that enable a MoSCoW type analysis of the features and the implementation of those deemed most important.

Title:

The design and build of a native iOS application to help caterers and restaurateurs implement a food safety management system (FSMS).

Description:

What the software will be and what it will be able to do:

- The design, build and launch a native iOS application to help caterers and restaurateurs implement a food safety management system (FSMS).
- The digitisation of the diary section of the Safer Food Better Business pack which is distributed by the Food Standards Agency.
- User log-ins
- Allow the user mobility whilst carrying out their tasks - to have access to their information on the go from any iOS device.
- Allow system to work offline.
- Produce an intuitive to the point of self-explanatory user interface.

Key features:

- Recording Business details, opening and closing checks, staff training, suppliers, useful contacts contacts, cleaning schedule, and a daily diary.

Non-crucial features:

- Delegation of tasks from one user to another
- Provide the user notifications if specific tasks have been set in their cleaning schedule.
- Notifications if tasks have not been completed.

Method: Explanation of choices including:

- iOS
- Objective-C as the main programming language.
- Xcode IDE
- Parse noSQL database framework.
- MVC design pattern.
- Git and BitBucket for version control

Title:

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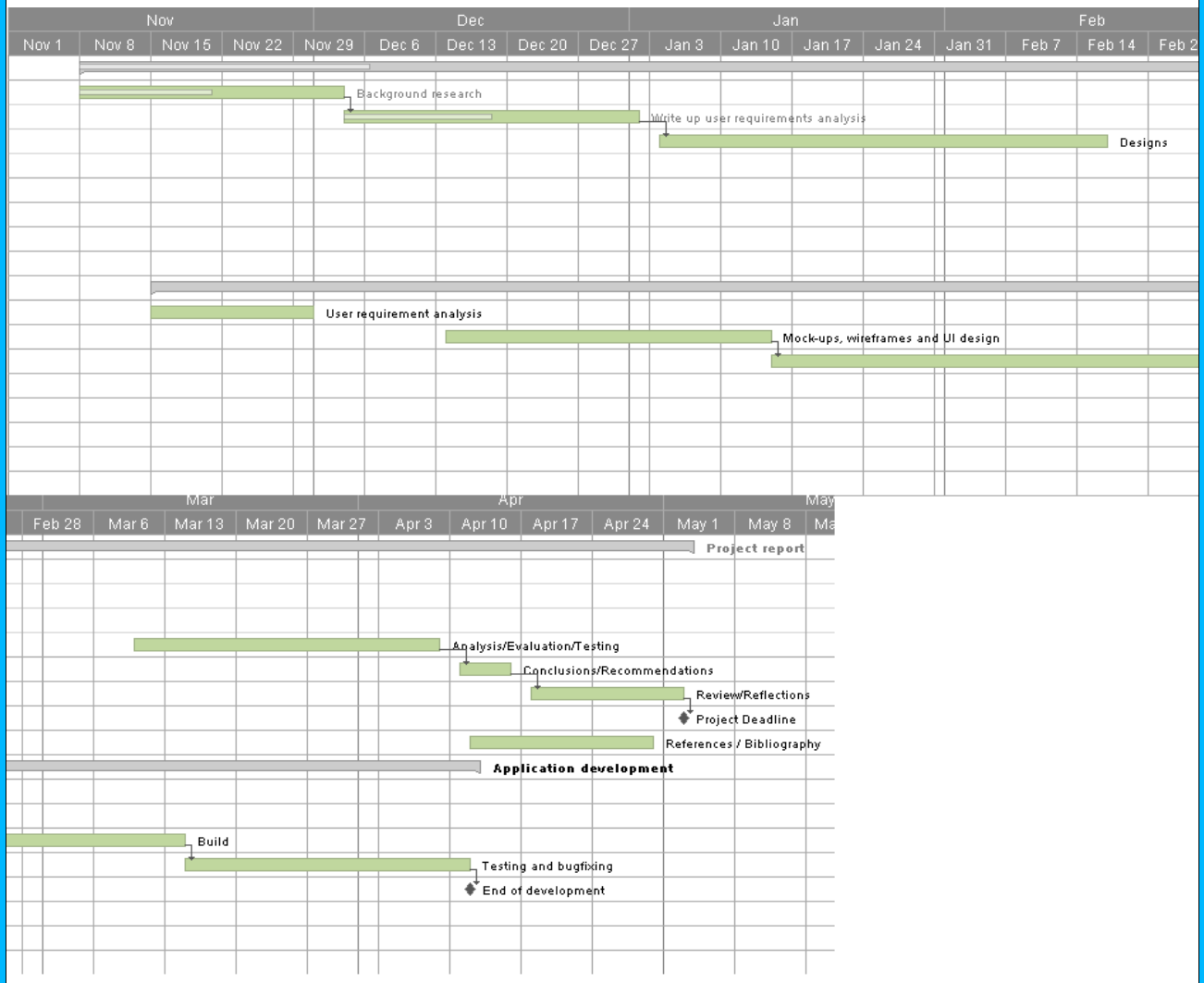
Work plan:

Roughly follow the Gantt chart below. The actual workflow is likely to be more circular

Break the system down into prioritised features:

- Start by building minimum viable product/system.

Keep track of tasks using Trello – a web based task management system.



College equipment required:

None