3rd Year Group Project – Stage 2 ("Halfway")

This document describes Stage 2 of the 3rd Year Group Project and should be read in conjunction with the Group Project Guide, the Project Specification, and the Group Project information posted on Vision. Stage 2 will count for 25% of the Group Project mark.

Overview

There are 4 tasks for this stage:

1. Develop a company website.
2. Develop a significant portion of the application(s) using your planned iterations.
3. Submit a progress report detailing the design and implementation achieved so far.
4. Demonstrate the application.

Groups should work on most of these tasks concurrently.

Documents and Outputs

For Stage 2, you should produce the following outputs and report as described below.

1. Company Website

A small website promoting your group's software company should be created. This could be a static website, but should reflect your vision for your company and its products. Assessment is on design and content, not the technology used. Teams with IS students should make sure these students are involved in the design and development of the website. Teams without IS students should still produce a website with at least basic information about the company and its products. The team as a whole should approve the website design decisions.

2. Develop a Significant Proportion of the Application

Develop a significant proportion of the application using your planned iterations. You should be aiming to complete about **half the functionality of your system** at this stage. Marks for this aspect of the task will be assessed under the progress report and the demonstration.

3. Project Report

Prepare a short report on progress so far, giving details of what functionality has been achieved. A comparison with achievements to date and the original planned iterations, plus brief details of your adapted plan for the remaining weeks (if necessary) should be included. Include information on the design of the system so far, including if appropriate: product scope, high level overview of technologies and components, database design, dataflow and/or class diagrams, any other useful diagrams, descriptions of any input/output documents and files. Also include details to date of how the system has been tested for technical correctness and assessed against expectations.

4. Demonstration

Before the Stage 2 deadline, each group should organise a half-hour session with your Manager. Given the ongoing COVID-19 situation, this should be an online demonstration. The whole group should attend. Appropriate meeting software should be chosen in discussion with your Manager.

Assessment of the demo is based on the quality and quantity of the software, and the quality of your presentation. You will also receive formative feedback on the quality of your presentation in the demo.

The demonstration should include:

1. A brief introduction of who you are and your group's company website.
2. Each person should summarise what they have contributed in this stage, in a sentence or two.
3. High level system architecture, so that we can see what the system components are and what software you are using.
4. Demo focusing on key features of the application. Don't labour over things like logging in.
5. Include a good set of test data. Ideally this could have been auto-generated in some way.
6. Mention of any development that has been done which can't be demonstrated but will speed up the remaining implementation (there might not be anything in this category).

It would help if you had an overview document to share with your Manager, showing your functional requirements and what has been achieved. Don't make this document too detailed (e.g., no more than a page); it should be easy to read.

The demonstration should not take more than 20 minutes. Each person should take part. Members of the group should run through the program using a prepared plan of events, aimed to demonstrate the key features. There could be a little audience participation, where the Manager asks for certain features to be demonstrated. The Manager will not try the software directly.

It's important to have a plan for the demo. Prepare the examples. Ensure that you focus on the most interesting parts. Giving a demo online will be extra challenging so make sure you rehease your demo and time yourself. At the end, there may be questions. Be prepared to show the source code and explain how various functions of the system are implemented.

Additional notes

When writing the progress report, ensure you follow the style you established in Stage 1. Use a same title page to include the document subject, your group name, Manager name, and names of students in the group. Include a table of contents if appropriate. Include a URL to your company website in your report. Remind yourselves of what you learned in previous courses and make sure you get the terminology right. Again, try for a single integrated report rather than a collection of separate reports that you have bundled together.

Deadlines and submission

Submit your completed Stage 2 report on Vision in the **Group Project** section for F29SO. Check Vision and the Group Project Guide for the deadline for Stage 2, keeping in mind the submission time is campus dependant.

Assessment

Software Engineering (F29SO) and Professional Development (F29PD) are both evaluated by coursework only (i.e., no exam). Your mark in F29SO and F29PD will be calculated as a weighted combination of your F29SO individual coursework (17%), your F29PD coursework in Semester 2 (17%), and your individual Group Project mark (66%). F29SO and F29PD will both receive the same calculated mark.

This coursework contributes to the Group Project mark and will make up 25% of the group's overall mark (before individual adjustments). Stage 2 will be marked by both the Project Coordinator (with the exception of the Demonstration) and your Manager. It will be marked out of **30 marks** using the following mark distribution and assessment criteria.

Criteria	Poor	Adequate	Excellent
Company Website (out of 10 marks)	**0 to 3 marks** It is not possible to understand the content of the website because the presentation is so poor. Little effort has been put into preparing it.	**4 to 6 marks** The website content is reasonably clear but not much extra effort has been made with respect to the website design or vice versa - the website design is good but lacking interesting content.	**7 to 10 marks** Excellent. The website is of high standard, showing innovation and imagination. The content is presented clearly and attractively.
Progress Report (out of 10 marks)	**0 to 3 marks** No details of functionality achieved to date. Not clear where the group is with respect to original planned iterations. No system design description. No idea given of group's progress with respect to customer's expectations.	**4 to 6 marks** Adequate description of functionality achieved to date compared with the original planned iterations. System design explained but could possibly be clearer. Some idea of group's progress with respect to customer's expectations.	**7 to 10 marks** Clearly detailed functionality achieved to date compared with the original planned iterations. Clearly explained system design. Details of testing provided along with an honest assessment of the group's progress with respect to the customer's expectations.
Demonstration (out of 10 marks)	**0 to 3 marks** Produced a minimal application with many bugs and poor usability. Poor presentation skills.	**4 to 6 marks** Under half functionality completed but basic functionality achieved but perhaps with some usability issues. Demonstration / presentation skills are satisfactory.	**7 to 10 marks** Substantial, robust and usable application, achieved at least half planned functionality. Excellent introduction and system overview. Key features clearly demonstrated with a good set of test data.

Feedback

Written feedback will be provided to the group approximately three working weeks after the submission/completion of Stage 2. Your Manager may also provide additional verbal feedback to the group.

Learning Objectives, Late Submission of Coursework, Mitigating Circumstances, and Plagiarism

Please refer to the **Group Project Guide** for information about the learning objectives for the Group Project and details on the relevant course/university policies. You are responsible for reading and understanding these policies for completing the project.