C-S 741 Software Engineering

Fall 2019

Project Description

A Software Application for Co-ordination of Dental Work

Description of the problem:

The course project is to develop a software application for a local company to co-ordinate the dental work between dentists, hygienists and patients. It can be a web application, or a mobile app.

The following minimal set of functionalities must be included:

- Admin should be able to add, edit or delete a dentist or a hygienist.
- The admin will set up a calendar
- All the users need to login in order to view or edit his/her schedule.

Please note: this project is not just to develop a website displaying all the information. Instead, it provides various functions for each type of user. You also need to consider potential conflicts. For example, a hygienist cannot pick up two cleaning work at the same time.

A graphical user interface must be developed for this software. The interface must consist of multiple screens for different tasks.

You need to have a database in your product.

Project Deliverables:

During the life cycle of this project, the following documents must be delivered.

Deliverable	Description	Mark	Due Date
Document 1	Product Overview and Project Plan	10	Sept. 13, 2019 (Friday)
Document 2	Functional Requirements/Use Case Models /User Stories, including Assumptions	15	Sept. 27, 2019 (Friday)
DEMO	**First Demo**	**10**	**Oct. 23 & 25, 2019 (Wednesday & Friday)**
Document 3	Architectural Design (UML Diagrams)	10	Nov. 1, 2019 (Friday)
DEMO	**Second Demo**	**15**	**Nov. 13 & 15, 2019 (Wednesday & Friday)**
Document 4	Updated Documents 2 & 3	15	Nov. 25, 2019 (Monday)
DEMO	**Final Project Demo**	**15**	**Dec. 9 & 11, 2019 (Monday & Wednesday)**
Document 5	Well-commented source code	5	Dec. 11, 2019 (Wednesday)
Document 6	User manual or online help system	5	Dec. 11, 2019 (Wednesday)

IMPORTANT: All documents must be typed. No hand-written documents will be accepted.