King Fahd University of Petroleum & Minerals

Department of Information and Computer Science

**SWE- 205: Introduction to Software Engineering**

**Project Implementation Phase: Guidelines**

The final phase in your SWE 205 project is a proof of concept implementation in the form of a software prototype. Your project implementation evaluation will be based on the project prototype, implementation document, and video the final presentation of your project.

➢ **Implementation Document**

Use the following guideline to create your document

1. **Cover page**
2. **Table of Contents**
3. **Introduction**
   a. **Purpose of this document**
   b. **Technical Background:** Programming language used to implement your project, and other related technologies used.
   c. **Overview of the remainder of the document**
4. **Implementation**
   a. **Code with documentation** (also attached separately)
   b. **Screen shots** (showing different drawing and features of the software).
5. **Appendices** (optional)

➢ **Presentation/Video Demonstration**

As a software engineer under-preparation, you will be required to do many demonstrations in your future SWE courses. There are different demo styles such as: live and video. You should discuss the general idea, its design, implementation, etc. emphasizing how you applied the software engineering concepts at the different phases with some examples from your project. In addition, you should also mention the important learnings from the project.

You, as a group, can opt for live presentation in addition to a video demo (optional) by recording your computer screen while presenting the features of your system. There are many tools that helps to perform this task, example:
- QuickTime Player
- Jing (https://www.techsmith.com/jing.html)

➢ **Evaluation**

Evaluation will be based on the effort put in the software implementation and the document using the following distribution:

| Document component | Weight |
|---|---|
| Organization + Introduction | 10% |
| UI +  System Functionalities code | 50% |
| Code Documentation + standards | 20% |
| Presentation | 20% |