



Second term 1441/2020

Software Engineering (CS- 310)
BSCS- Section: B

Project-Phase No: 0
College tracking system
(Software development plan)

Submitted By

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1. Introduction

In our software development plan document, we as a team will provide a clear description for our main sections which are: introduction, which includes purpose, scope, definition, references and overview. Our remaining sections are project overview, project organization and management process.

1.1. Purpose

The purpose of this document is to have a full information about the project to help the project manager and the development team.

1.2 Scope

College tracking system is a standalone software and it will not be associated with other external systems. College tracking system will influence college management, staff, student and visitors.

1.3 Definitions, Acronyms, and Abbreviations

CTS stands for college tracking system.

1.4 Overview

Software development plan document also contains the following sections, Project overview which includes project purpose, Scope, and Objectives, Assumptions and Constraints, and Project Deliverables, it provides the project plan and the people who implement the project, time period and cost. Then project organization includes two sub sections which are: 'organizational structure' and 'roles and responsibilities', it describes the task of every person on the project team. The last section is Management process which includes project plan and its sub sections, it explains the project, the date of work at each stage and the time of it.

2 Project Overview

2.1 Project Purpose, Scope, and Objectives

This project is submitted as part of software engineering course. The main idea of the project is to apply software engineering lifecycle on the development of a mobile application named CTS. CTS is an interactive blueprint of the computer science college which includes the following features:

- Real-time status of classes (i.e.free or occupied)
- The direction to a specified location in the map (i.e. direction to a staff office)
- Full contact details of the college staff .

The project includes all the software engineering processes starting from gathering the user requirements until the testing process as will be explained next. The deliverable of the project is CTS application in addition to the full documentation that captures the software engineering processes implemented throughout the project.

2.2 Assumptions and Constraints

- The project will start on February 13 and end before week 13.

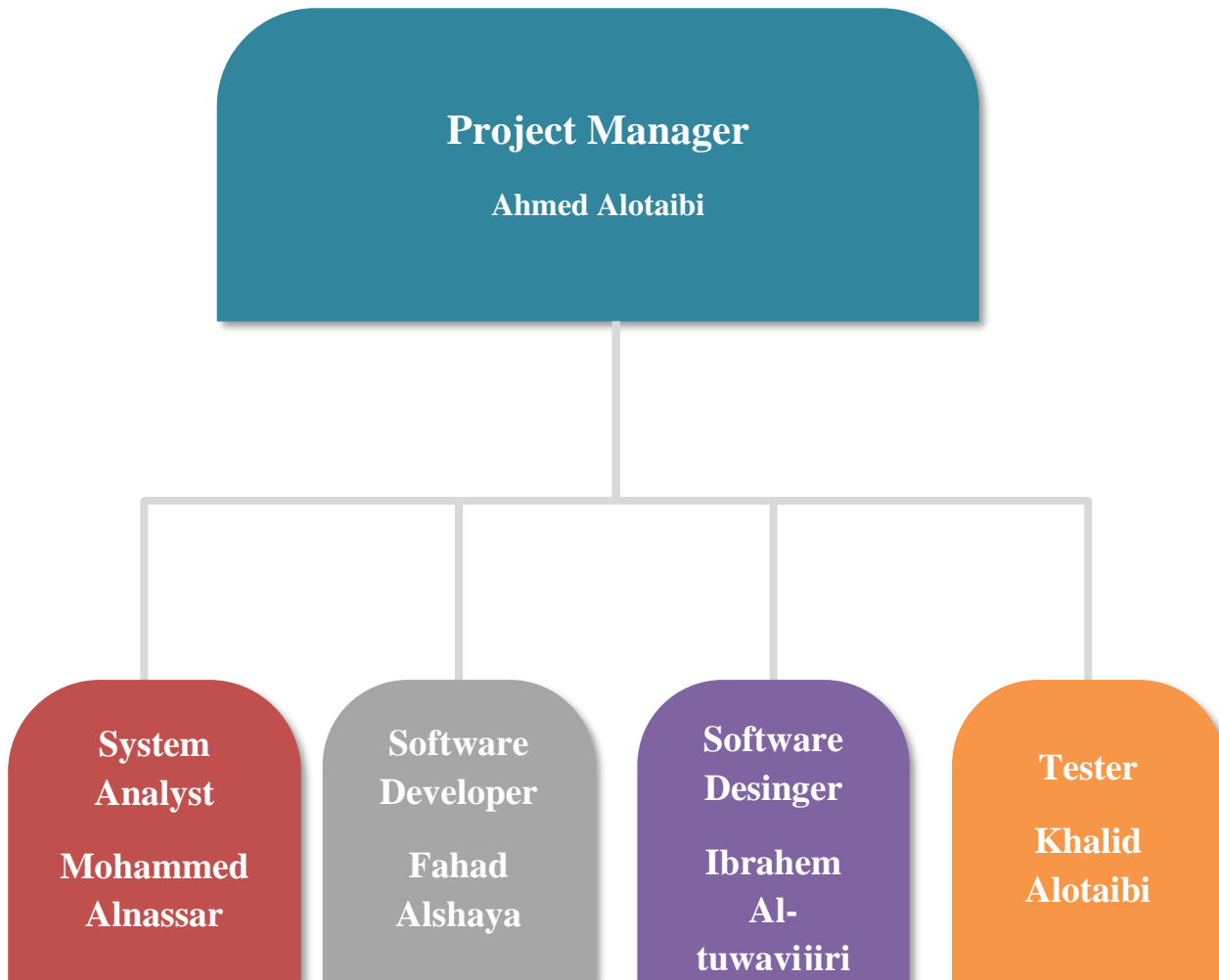
2.3 Project Deliverables

- Phase #0: Documentation.
- Phase #1: Requirements gathering.
- Phase #2: Design and implementation.
- Phase #3: Testing.
- Demo.

All above points are specified in section 4.1.1 Project Schedule.

3 Project Organization

3.1 Organizational Structure



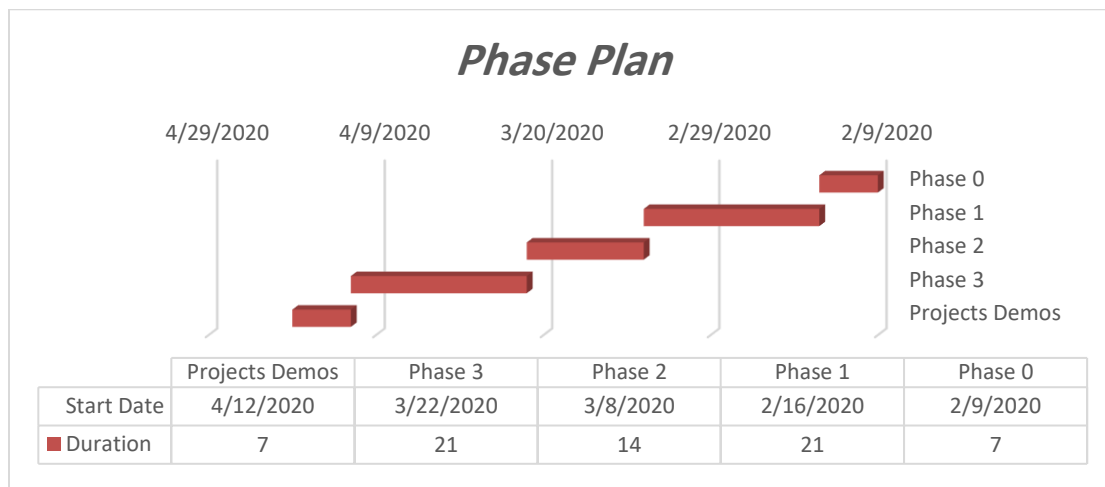
3.2 Roles and Responsibilities

Name	Roles	Experience	Profile	Profile URL
Ahmed Alotaibi	Project Manager	- Web Designer - Web Developer - Programming Languages (Java, HTML, CSS and JavaScript)	AhmedMaj	AhmedMaj.github.io
Mohammed Alnassar	System Analyst	- programming Languages (Java and Basic experience in Python)	Mohamadns	Mohamadns.github.io
Fahad Alshaya	Software Developer	- Programming Languages (Java, and JavaScript)	FahadAlshaya	FahadAlshaya.github.io
Ibraheem Al-tuwayijiri	Software Designer	- Programming Languages (Java, CSS, HTML and JavaScript)	IbrahimSaleh	IbrahimSaleh.github.io
Khalid Alotaibi	Tester	- Data Visualization - VR High Immersion Developer - Programming Languages (Java) and Basic experience in C#	Kaalotaibi37	Kaalotaibi37.github.io

4 Management Process

4.1 Project Plan

4.1.1 Project schedule and Phase Plan



4.1.2 Iteration Objectives

- The system helps the students to find their classes.
- The system helps the students to find empty classes.
- The system helps the students to find the location of the needed doctor's office.
- The system helps the students to find location of exam's rooms.

4.1.3 Project Resourcing

This work is a collaboration of a team of five members in all phases