KINGDOM OF SAUDI ARABIA
Ministry of Higher Education
Al-Imam Mohammad University
College of Computer & Information Sciences

المملكة العربية السعودية
وزارة التعليم العالي
جامعة الإمام محمد بن سعود الإسلامية
كلية علوم الحاسب والمعلومات

<u>**Second term 1441/2020**</u>

Software Engineering (CS- 310)
Section: 171

Project-Phase No: 0
Computer Recommendation Software (CRS)
(Software Planning)

Submitted By

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1. Project Overview

1.1 Project Purpose, Scope, and Objectives

The purpose of this software is to help users find a computer for their field of interests. Whether they are a student, a gamer, an employee, an editor or a casual user. And there is no need for any experience with computers.

1.2 Main functionality and characteristics

It is an application that searches for components depending on the user's budget and the specifications of the computer entered by the end user. Then it shows the best hardwares within the budget followed by honorable mentions. Or simply choose a recommended system based on the area of interest of the customer.

1.3 Intended users and key usability

One of the key features of the application is aiding it users on choosing a personal computer that fits their area of focus. For example, if the user is a video editor the application will choose hardware that concentrates on high CPU core counts, large amount of fast RAM, huge and quick non-volatile memory and a great memory size GPU. While a gamer on the other hand, the software will focus more on CPU with the fastest single thread performance and less on core counts, medium quantity of RAM (not necessarily a fast one) and a gaming marketed GPU for a smooth gameplay experience.

1.4 Challenges

One of the biggest challenges and problems is our lack of experience in software engineering and advanced algorithms. And we are working on improving our skills as we go through our university's courses.

1.5 Intended technology

The platform is Android for now, the programming language will be java, and we are going to use Android Studio as our development environment. Furthermore, we used document google to work on this project as a group and independently at the same time.

1.6 Team Roles and Responsibilities

Person	Role	Github page
Saad Bin Onayq	Project Coordinator Deployment Manager Requirement Reviewer Architecture Reviewer Configuration Manager	Saad-BinMansour.github.io
Fowzan Alhantoshi	Project Reviewer Designer User Interface Designer	fowzan1.github.io/Fkfalotaibe.github.io/
Mohammad Alkhalifah	Test Analyst Implementer Code Reviewer	mssalkhalifah.github.io
Khaled Almodameeg	System Analyst Requirement Specifier Software Architect	KhaledM.github.io
Tariq Alajel	Test Designer Test Manager	

1.7 Project TimeLine