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| **المملكة العربية السعودية**  **وزارة التعليم**  **جامعة الإمام محمد بن سعود الإسلامية**  **كلية علوم الحاسب والمعلومات** | A description...  **Second term 1441/2020** | **KINGDOM OF SAUDI ARABIA**  **Ministry of Education**  **Al-Imam Mohammad University**  **College of Computer & Information Sciences** |
| **Software Engineering (CS- 310)**  **BSCS- Section: 171**  **Project-Phase No: 0**  **DB Center**  **(Proposal)** Submitted By | | |
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< DB Center >

Software Development Plan

Version <1.0>

Revision History

|  |  |  |
| --- | --- | --- |
| **Date** | **Version** | **Description** |
| <24/9/20> | <1.0> | <Proposal> |
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Software Development Plan

# 

# Introduction

The Main Goal of this Project is to Build a System that saves and keep Track of all medical, financial, permanent record, and Crash Reports. it will Gather all These Information in one system for The Each Department of the Government and Provide Them with Custom Report of the Information They Need.

The main Functionality of This project is to gather all existed information for all citizens to save it into a database. The main user for the System is the government. The System will save a lot of time and will Help track of everyone if they become danger to national security or if someone is rushed to the ER the medical tame will receive a brief report to treat them immediately and to save precious seconds .

## Purpose

The purpose of the *Software Development Plan* is to gather all information necessary to build a database to full out the reports needed for the System. It will help the government tracking Financial transactions to spot someone launder money or bribery.

The following people use DB Center:

* The **Government** uses it to save and keep track of people Records.

## Scope

This project will save time in lines for the citizens and it will speed up the prosses in the visits in the government departments, Also It will save time for the government to focus on more things, it will save money by not printing a paper copy of the registration forms and buying pens in almost every department.

The main goal for this project is to build a system that organizes, convenient and improve the process of the record by tracking, analyzing and monitoring in the government.

## Overview

Our Project will need information like id, blood type, full name etc. from the database that we need to build, For such an important information like these. We will be able to know a lot of the information as quickly as possible, this product directed to the government so all the department will make a good use of this Software in multiple of ways. This software will organize and improve the process of keeping record of the citizens.

We are a team of 5 members. We have 5 phases each phase will be divided equally Each member will committed with a phase and whole team can provide assistance if needed.

We estimate to deliver the DB Center by the end of the semester before the deadline. Cost is undefined until now. It has 7 milestones each milestone is important for the project progress.

## References

* RUP for team management
* Agile methodology (Scram Technique)
* Milestone timeline
* Mission diagram

# Project Overview

## Project Purpose, Scope, and Objectives

To organize and improve the record of the citizens by saving it in one place. **Objectives divides into three categories**

**Problem**

The current system of keeping record of the citizens is wasting valuable time and effort of the Employee of the government.

**Bonus**

**Goal**

**Must**

-Create Database

-Gather and check

Citizens information

To print a report of the select citizen

Build Efficient record system for easy access

**Mission:**

To create a system that can save, track and citizens information

## Assumptions and Constraints

We might have some problems with getting the data for the database for the system and maybe we need some tools and libraries that is not open source, the team will have to learn new topics to build the system correctly.

## Project Deliverables

|  |  |  |  |
| --- | --- | --- | --- |
| Versions | **Deliverable** | **Planned Date** | **Receiver** |
| V1 | Phase 0 | 2020/9/24 | DR.Slultan |
| V2 | Phase 1 | 2020/9/29 | DR.Slultan |
| V3 | Phase 2 | 2020/11/27 | Dr.Slultan |
| V4 | Phase3 | 2020/12/17 | DR.Slultan |

# Project Organization

## Roles and Responsibilities

|  |  |
| --- | --- |
| **Person** | **Rational Unified Process Role** |
| Ali Alhawas, Coordinator | Keep the team on track  Organize meetings & planning  Focused on execute the project plan |
| Abdulrahman Mubasher Alghurman | Testing |
| Nasser Hamad Alkhurayji | Gather data |
| Anas Eissa Alzhrani | Excel automation |
| Nawaf Khalid Aldaham | Create and manage the Database |

# Management Process

## Project Estimates

We estimate a low cost if anything and the project delivery in the expected date as in the timeline by the end of the semester.

## Project Plan

We Attempted to use milestones Method, each milestone will deliver ether phase or workshop. We have four phases, two workshop and project demo. Also to accomplish this project we would use agile methodology in order to organize and improve project predictability and better product Quality by executing the product and then testing the product for flaws by breaking these cycle to smaller cycle to make it easier for us .

### Phase Plan

First milestone will deliver phase 0 which, include writing proposal and creating GitHub account

Second milestone delivers phase 1 which, includes the reequipments.

Third milestone is a workshop 1 which include implementation.

Fourth milestone delivers phase 2 that we will keep developing the system.

fifth milestone delivers phase 3 that will create a prototype.

Sixth milestone is a workshop 2 that include testing the software.

Seventh milestone will have a demo

### Releases

Fifth milestone delivers phase 3 we will create a prototype.  
Seventh milestone we will have a demo as a release.

### Project Schedule

A screen shot of a smart phone

Description automatically generated

### Project Resourcing

|  |  |
| --- | --- |
| Function | Name |
| Requirement | Ali Alhawas Nawaf Aldaham  Abdulrahman Alghurman  Nasser Alkhurayji |
| Implementation | Ali Alhawas Anas Alzhrani  Abdulrahman ALghurman  Nasser Alkhurayji |
| Design | Ali Alhawas Nasser Alkhurayji  Nawaf Aldaham  Anas Alzhrani |
| Quality assurance and Testing | Anas Alzhrani  Nawaf Aldaham  Abdulrahman Alghurman  Nasser Alkhurayji |

|  |  |
| --- | --- |
| **Name** | **Skills** |
| Ali Alhawas | Java & Android Developer |
| Abdulrahman ALghurman | Java Developer |
| Nasser Alkhurayji | Java Developer |
| Anas Alzhrani | Java Developer |
| Nawaf Aldaham | Java Developer |

## Project Sketch

A screenshot of a cell phone

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