**Software Requirements Specifications**

**UNDER THE SUPERVISION OF**

**Dr. Tarek Elghazaly**

**Salma Ayman 19104941**

**Alaa Mamdouh 19106209**

**Khalil Ahmed 19100923**

**Ziad Tamer 19104259**

**Omar Alshafaey 19100227**

**Table of Contents**

**Table of Contents ........................................................................................ ii**

**1. Introduction ............................................................................................. 1**

1.1 Purpose .............................................................................................................. 1

1.2 Scope .................................................................................................................. 1

1.3 Technologies used .............................................................................................. 2

1.4 Intended audience .............................................................................................. 2

1.5 References .......................................................................................................... 3

1.6 Overview ............................................................................................................. 3

**2. Overall Description .................................................................................... 3**

2.1 Product Perspective ............................................................................................. 3

2.2 User Characteristics ............................................................................................. 4

2.3 Operating environment ........................................................................................ 5

2.4 Constraints ............................................................................................................ 5

2.5 Assumptions and dependencies ............................................................................ 5

**3. Interfaces ..................................................................................................... 6**

3.1 System interface ..................................................................................................... 6

3.2 Software Interface ................................................................................................. 10

3.3 Hardware Interface................................................................................................. 11

**4. Functional Requirements .............................................................................. 11**

4.1 User Class 1 - The User ........................................................................................... 11

4.2 User Class 2 – The Admin ....................................................................................... 16

**5. Non-Functional requirements ....................................................................... 15**

5.1 Reliability ................................................................................................................ 16

5.2 Recoverability ......................................................................................................... 17

5.3 Performance ............................................................................................................ 17

5.4 Availability ................................................................................................................ 17

5.5 Usability .................................................................................................................... 17

5.6 Maintainability........................................................................................................... 17

5.7 Security....................................................................................................................... 18

**6. Diagrams .......................................................................................................... 19**

6.1 Use case diagram ........................................................................................................ 19

6.2 Sequence diagram ....................................................................................................... 31

6.3 Entity Relationship Diagram ........................................................................................ 33

**7. References ......................................................................................................... 34**

**1. Introduction**

* 1. **Purpose**

The aim of this document is to provide a comprehensive overview of People's app system. It will describe the stem's function and features, as well as the system's interfaces, what the system will do, the constraints under which it must work, and how the system will respond to external stimuli

* 1. **Scope**

People’s app is an app that provides easy way to make the government papers by installing everything about that citizen from his/her date of birth until date of death on a large database. The government are going to have this database to check the citizens papers without even ask them about it, and the citizens are going to have website, mobile application, and computer application to just make their requests, and even without going to the government building unless they want to do just two things taking photos to process their service application or receive their services. And of course, we are going to provide online payment to make it easier to anyone.

**1.3 Technologies used**

* HTML, CSS, and Javascript for the Front-end
* Node.js on the backend
* Express.js for server and creating RESTful API
* SQL for database
* Java and Android Studio for mobile version
* Python for desktop version

**1.4 Intended audience**

This document is useful to: -

**Customer**: To follow up with the project team if there are requirements change.

**Developer**: To have ease of implementation.

**Software Tester**: To be able to develop the correct test cases for the system and test it to improve the system's quality.

**Software architect:** To be able to design and improve the system's architecture.

**Project Manager:** To be able to develop a good plan to work on the project and construct the team.

**1.5 References**

**1.6 Overview**

The rest of the SRS explains the detailed specifications of the people’s Application. Chapter II of the SRS presents the general factors that affect the people’s Application and its requirements, such as project constraints and user characteristics. Chapter III outlines the details of interfaces, and then the rest of the chapters' present the functional and nonfunctional requirements, Diagrams, and other related requirements of " People's app" Application.

“*People’s app from the people to the people*”