**Official project name**: First Aid information system

**Project sponsor**: Ministry of Health

**Project team members:**

1. George Ayad
2. Andrew Rafek
3. Youssab Nashat
4. Kerlos Medhat

**Purpose of the project**: to minimize injury and future disability by Solving the problem of how to do First Aid for injuries after an accident.

**Overview**

The project aims to provide users with a source of information -application- about how to perform first aid.

The application is available for download and use in emergency situations.

The user just must input the injury or illnesses that occur unexpectedly, and the application will provide them the step-by-step process in administering first aid.

The software will aid in the response to emergency situations and in saving of lives.

**Project scope**

First aid app is designed to give people lifesaving skills at their fingertips.

The main objective of the project is to develop a first aid mobile application that is loaded with information about how to do first aid in different type of emergency situations.Specifically, the project aims the following **objectives:**

1. To develop an application that provides first aid knowledge to the user by using this application.
2. To develop an application those also have animated videos on how to properly conduct first aid.
3. The application will contain process of first aid for different kind of injuries or illness.
4. To provide users a platform to communicate to emergency hotlines after administering the first aid.
5. The application is accurate and reliable.

**Key deliverables**

The proposed capstone project is a web and mobile based application designed to provide informative resources on first aid. The core modules of the system are the following:

* *Web or Online Resource Center* – the project is a web and mobile project wherein the information is stored in the central repository for archiving and updating of information related to first aid. User base can upload the contents of the app by downloading the available and updated resources from the server.
* *Offline Based Resources* – users can still use the application without an internet connection. These offline resources are very important in case of emergency since the users can still access the app without connecting from the internet.
* *Mini Dictionary* – technical terms on first aid are also available and one of the core features of the project.
* *Emergency Contact Information* – users can save the contact information of hospital, rescue team, and other emergency contact information.

**Project milestones**

* Requirements review: Requirement’s specifications are complete, correct, approved and suitable by 1/1/2022
* System design and implementation: Software design is complete, and all key deliverables are implemented by 27/1/2022
* System test review: The software product has passed system testing and is suitable for input into acceptance testing by 2/2/2022
* Product final review: The software is in use in its target environment by 16/2/2022

**Work breakdown structure**

Diagram

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**Responsibility matrix**

Table

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**Project Network**

**Diagram

Description automatically generated**

**Gantt Chart**

**A screenshot of a computer

Description automatically generated with medium confidence**

**Project resources**

* Staff: 4 full-stack developers, 1 back-end developer
* Hardware: 5 laptops, 1 server
* Software: Software licenses (Editors, ….)
* Budget: Budget allocated for this project is 20000 L.E.

**Time phased budget**

Graphical user interface

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**Constraints**

* Application must be delivered within the specified budget.
* Application must be delivered on 16/2/2022.

**High level risks**

* Inaccurate estimates.
* Scope creep: uncontrolled changes and continuous growth of the scope, or scope is ill defined.
* **Project team misunderstand requirements.**
* Loss of key personnel.
* Customer will not accept the software as delivered even though it meets all specifications.
* Selected technology is a poor match to the problem or customer.
* Project key success criteria not clearly defined to verify the successful completion of each project phase.
* Projects within the program often need the same resources at the same time.