

***“RAPID RESCUE”***

**Techwiz Documentation**

**APTECH COMPUTER EDUCATION**

**HYDERABAD-1 PAKISTAN**

**Issue Date: 18-SEP-2024**

CERTIFICATE

This is to certify that

***• DUA ARSHAD • SUMAIMA SOHAIL***

***• FURQAN AHMAD • KHUSHBOO JAMAL***

***•SYED HUSNAIN ALI***

*Has successfully designed*

**“RAPID RESCUE”**

Submitted by:

***• DUA ARSHAD • SUMAIMA SOHAIL***

***• FURQAN AHMAD • KHUSHBOJAMAL***

***•SYED HUSNAIN ALI***

**Date of Issue:** 18-SEP-2024

PROJECT REPORT

**Project Title** “RAPID RESCUE”

**Members Name:**

•DUA ARSHAD,

*•* SUMAIMA SOHAIL

*•* SYED HUSNAIN ALI

*•* KHUSHBOO JAMALI

•FURQAN AHMAD

**Batch Code:** 2310F

**Start Date:** 18/SEP/2024

**End Date:** 21/SEP/2024

**Course:** DISM

**Teacher:** Miss: MAHNOOR TAHIR

**Center Manager:** Sir Shoaib Ahmed

**Center Academic Head:** Sir Zubair

**Center Name:** ACE Hyderabad-1Pakistan

Software Requirements Specification (SRS) for Rapid Rescue Web Application

1. Introduction

1.1 Purpose

The purpose of this document is to outline the features, functionalities, constraints, and requirements of the Rapid Rescue Web application. It serves as a guide for stakeholders and developers involved in the project.

1.2 Scope

The Rapid Rescue Web application is a responsive platform designed for individuals and emergency services. Key functionalities include:

User capabilities to request ambulances, track their location, provide medical information, and receive first-aid instructions.

Dispatcher functionalities to manage and assign ambulances.

EMT access to patient information and status updates.

This application will not handle billing or insurance claims.

2. Overall Description

2.1 Product Perspective

The Rapid Rescue application is a standalone web application intended to enhance emergency response efficiency. It will integrate with GPS and mapping technologies for real-time tracking.

2.2 User Classes and Characteristics

End Users: Individuals requiring emergency services.

Dispatchers: Personnel managing ambulance requests.

EMTs/Drivers: Medical personnel responding to calls.

2.3 Operating Environment

The application will operate on major web browsers (Chrome, Firefox, Safari, etc.) and be responsive on various devices (desktops, tablets, smartphones).

3. Functional Requirements

3.1 User Features

Home Page: Quick access to services.

Account Registration: User account creation with email and password.

Profile Management: Users can edit profile details and change passwords.

Emergency Request: Users can book an ambulance by providing relevant details.

Real-time Tracking: Display the ambulance's location and estimated arrival time.

Medical Profile: Users can enter and update medical history.

First-Aid Instructions: Provide guidance while waiting for assistance.

Feedback: Users can submit service feedback.

3.2 Admin Features

Login: Secure access to dispatch system.

Ambulance Management: Manage the fleet of ambulances.

Driver Profiles: Manage driver information.

Dispatch Control: Assign ambulances and monitor requests.

Real-time Monitoring: Overview of active requests and ambulance locations.

Communication: Update EMTs and users on request statuses.

3.3 EMT/Driver Features

Login: Secure access for EMTs.

Patient Information: Access to patients’ medical profiles.

Status Updates: Update their operational status.

3.4 Common Features

GPS Functionality: Integrate GPS for tracking.

Search/Filter: Find emergency requests, ambulances, or patient records.

Notifications: Alerts for new requests or updates.

Additional Information: Sections for services, gallery, costs, and driver lists.

4. Non-Functional Requirements

4.1 Performance

Response Time: Minimal load times and smooth transitions.

Availability: 24/7 uptime with minimal downtime.

4.2 Security

Implement secure authentication processes.

4.3 Usability

User-Friendly Design: Intuitive navigation and clear menus.

Accessibility: Legible fonts and UI elements.

4.4 Compatibility

Support for the latest web browsers and devices.

4.5 Scalability

Infrastructure should support increased traffic and feature expansions.

5. Interface Requirements

5.1 Hardware Requirements

Intel Core i5/i7 Processor or higher

8 GB RAM or higher

500 GB Hard Disk space

Standard input devices (mouse, keyboard)

5.2 Software Requirements

IDE: Suitable Integrated Development Environment.

Frontend-Technologies: HTML5, CSS3, Bootstrap 5(optional), My Sql, PHP.

6. Constraints

Compliance with licensing agreements for images and videos.

Data storage and synchronization limitations.

7. Appendices

Flow Diagrams: Illustrating interactions between users, dispatchers, and EMTs.

Architecture Diagram: Visual representation of the system architecture.

This SRS template outlines the essential components needed for the development and understanding of the Rapid Rescue Web application. Let me know if you need any adjustments or additional details!

Thank you