Project Scope

|  |  |
| --- | --- |
| Project Name: | ResQme |
| Department: | Information Systems |
| Process or Product: | Graduation Project |

Prepared By:

|  |
| --- |
| Document Owners |
| Ziad Amr |
| Waleed Kamal |
| Tawfik Yasser |
| Mariam Geindi |
| Ibrahim Hany |

Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Ver # | Date | Author | Change Description |
| 0 | 10/10 /21 | Ziad Amr | Repository Created |

# Project Scope Statement

It was recognized that the delay of response to cars breaking down on the road was too much. The process of requesting a towing car took too many steps to get completed, the driver needed to have a mobile number for the towing car’s driver, and if he/she didn’t have them they had to ask people who they knew for the number or on social media platforms. Also, the process of pinning down the exact location of the car during the call caused a lot of conflicts between the driver and the towing car’s driver. Moreover, some cars broke down that had minor problems that was easy to solve on the spot if the driver just had the spare parts that suited his/her car.

As a result, we decided to facilitate this whole process from the contacting of a towing car’s driver to delivering it to a car service center, and to provide spare parts on the road if needed.

The new system will be initially implemented and divided into two parts. First, a mobile application that the users and the car service center that provides towing cars should register their profiles on it. There should also be a list for most popular spare parts that are most needed if cars break on the road (car tires, car lights, etc.…). Secondly, a web application for the system administrators to monitor the requests of the users, collect data and accordingly use and manipulate the data to help the system administrators gain some information about the application for future enhancements like where is the most road that cars break on.

The Project is to be finished by the end of May 2022.

# Project Scope

Goals and Objectives:

|  |  |
| --- | --- |
| Goals | Objectives |
| The project will enhance the response time for road rescuing. | Instead of calling or searching for a mobile number for a towing car service, the application connects you with a car maintenance service center that accepts your request and sends to you a towing car. |
| Shorten towing car arrival time. | By implementing a shortest path algorithm from your location to all available car maintenance service centers, so that the nearest could reach you in shorter time. |
| On Site repair. | If the driver is sure what the problem in his car is and is sure he could handle it, he could request a spare part with the correct specifications from the nearest car maintenance service center. |

Project Deliverables:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Milestone | Deliverable | Due Date |
| 1. | Learn Android |  | 2 Weeks  25/11/2021 |
| 2. | Documentation | System Analysis and Design | End of Term  (Due to Discussion) |
| 3. | Design UI for the Mobile App (Mockup) - Extra |  |  |
| 4. | Design UI for the Web Application (Mockup) - Extra |  |  |
| 5 | Implement Front-End for Mobile Application  (Will be divided into screens) | Spare Parts Screens  Car Maintenance Center Screens |  |
| 6 | Implement Back-End for Mobile Application | Spare Parts Module  Car Maintenance Center Module |  |
| 7 | Test Mobile Application |  |  |
| 8 | Implement Back End for Web Application |  |  |

Deliverables Out of Scope:

* No towing motorcycles
* No Spare Parts for motorcycles
* No Sending mechanics to repair your car on the road, only in maintenance centers

# Project Conditions and Controls

Project Assumptions:

* The Mobile Application will work on Android only as a beginning.
* The Web Application will work on all popular browsers
* The Mobile Application will only work if there is internet connection
* The Rescue request will only be approved if the maintenance center accepts the request
* The Rescue Request will be accepted if requested in working hours of the intended car maintenance center.

Project Constraints:

* The timeline must be met before final exams start.