simple

# Software Requirement Specification Document

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**1: Purpose:**

This website (مشوار) is made for two kinds of people: car owner and people who use public transportations.

Every one of them will benefit from it.

Car Owner: will benefit by reducing the gasoline's cost and earning money from passengers who want to go the same destination of him (car owner)

Ordinary passenger: will facilitate getting the right public transportation to his determined destination for him.

Main function of “m4war” is facilitate transportation.

### **2: Scope :**

"m4war" is a web application has some features using GPS but not fully app based on GPS.

M4war helps people to find best public transport to go from place to another "from source to destination" and the output result depend on many criteria to get best result.

Furthermore, the software needs both Internet and GPS connection to fetch and display results. All system information is maintained in a database and if user not have platform supports that’s specification will faces difficult to use it...

You will know more about this system and what it can do "later in this document”.

## 

## **3: Functional Requirements**

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| Use Case Name | Login |
| Actor | Admin / manager / passenger |
| Pre-Condition | That user has an account on the system |
| Basic Flow | 1. Enter login form 2. Enter user name and password 3. Click login |
| Alternative Flow | User name or password is incorrect |
| Post-Condition | Enter to the system |

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| Use Case Name | Register |
| Actor | Passenger |
| Pre-Condition | N/A |
| Basic Flow | 1. Enter register form 2. Fill all field in the form 3. Click register |
| Alternative Flow | -Required data in registration form not filled  -invalid email  -short password |
| Post-Condition | Add passenger in the system |

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| --- | --- |
| Use Case Name | View profile |
| Actor | Passenger |
| Pre-Condition | Login |
| Basic Flow | 1. Login 2. Click on view profile |
| Alternative Flow |  |
| Post-Condition | Show passenger profile |

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| Use Case Name | Edit profile |
| Actor | Passenger |
| Pre-Condition | Login /view profile |
| Basic Flow | 1. Login 2. Click view profile 3. Click edit profile |
| Alternative Flow |  |
| Post-Condition | Passenger can change email password address  Can add car if he not have a car |

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| Use Case Name | Suggestion |
| Actor | Passenger |
| Pre-Condition | Login / |
| Basic Flow | 1. Login 2. Suggest any thing to management of the system or 3. Search for a route and you Know better rout and fill the filled 4. Click suggest. |
| Alternative Flow | Passenger can’t fill the filled. |
| Post-Condition | His suggestion rise to admin and refuse or accept it. |

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| Use Case Name | Rate |
| Actor | Passenger |
| Pre-Condition | Login |
| Basic Flow | 1. Login 2. Search for Route 3. Rate the route |
| Alternative Flow | No solution for his search. |
| Post-Condition | His rate add to the database tables |

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| Use Case Name | Complain |
| Actor | Passenger |
| Pre-Condition | Login |
| Basic Flow | 1. Login  2. Search for Route  3. Click Complain |
| Alternative Flow | Send an empty message |
| Post-Condition | His complain waited admin to see it |

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| Use Case Name | Search route |
| Actor | Unregistered user & registered user |
| Pre-Condition | Open website |
| Basic Flow | 1. Search manually or determined his location by “GPS” 2. Submit his location 3. Select destination 4. Click search. |
| Alternative Flow | * Can’t know his location * There is no rotes to show |
| Post-Condition | Passenger know his location and the suitable transport for it |

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| Use Case Name | Search travel |
| Actor | Passenger |
| Pre-Condition | Login |
| Basic Flow | 1. Login 2. Click show search travel 3. Enter the source or destination or date or time |
| Alternative Flow | - There is unknown source or destination  - there un routes like searched travel |
| Post-Condition | Show travel that user search for it |

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| Use Case Name | Forget password |
| Actor | passenger |
| Pre-Condition | Try to Login |
| Basic Flow | 1. Try Login 2. Enter forget password 3. Enter user name or e-mail 4. Send e-mail to reset password |
| Alternative Flow | His user or email not exist in system |
| Post-Condition | Setup his new password |

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| Use Case Name | Add travel |
| Actor | Car owner |
| Pre-Condition | Login |
| Basic Flow | 1. Login 2. Select add travel 3. Enter source, destination, time, date, max number of persons 4. Select add travel |
| Alternative Flow | Wrong data in add travel form |
| Post-Condition | The travel has been added to travels table |

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| Use Case Name | Delete admin |
| Actor | Manger |
| Pre-Condition | Login |
| Basic Flow | 1. Login to website. 2. Enter show admin 3. Select the Admin that manger want to delete it. 4. Enter delete |
| Alternative Flow | No admin to delete. |
| Post-Condition | Delete selected admin. |

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| Use Case Name | Get report |
| Actor | Manager |
| Pre-Condition | Login |
| Basic Flow | 1. Login 2. Click get reports |
| Alternative Flow |  |
| Post-Condition | Show reports about admin user visited user |

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| Use Case Name | Add admin |
| Actor | Manger |
| Pre-Condition | Login |
| Basic Flow | .1 Login to website.   1. Enter add admin 2. Enter name , pass, email . 3. Add new admin |
| Alternative Flow | There is an invalid email , pass  field may be empty . |
| Post-Condition | Add new admin . |

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| Use Case Name | Delete travel |
| Actor | Car owner |
| Pre-Condition | Login |
| Basic Flow | 1. Login to website. 2. Select show timetable 3. Select his trip. 4. Click delete . |
| Alternative Flow | There is no travel to delete |
| Post-Condition | Delete selected travel . |

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| --- | --- |
| Use Case Name | Edit travel |
| Actor | Car owner |
| Pre-Condition | Login |
| Basic Flow | 1. Login to website. 2. Select show my timetable. 3. Edit it. 4. Click save. |
| Alternative Flow | There is empty field  invalid source or destination or date or time |
| Post-Condition | Edit selected trip . |

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| Use Case Name | Add route |
| Actor | Admin |
| Pre-Condition | Login / show route |
| Basic Flow | 1. Login 2. Enter to add route form 3. Enter source , destination and areas that vechile bass to. 4. Select add |
| Alternative Flow | * There is an empty filled |
| Post-Condition | Add new route in the system |

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| Use Case Name | Delete route |
| Actor | Admin |
| Pre-Condition | Login / show route |
| Basic Flow | 1. Login 2. View all routes select routes to delete 3. Select delete |
| Alternative Flow | Not exist routes |
| Post-Condition | Delete route From the system |

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| Use Case Name | View request |
| Actor | Admin |
| Pre-Condition | Login |
| Basic Flow | 1. Login 2. View requests |
| Alternative Flow | Not exist requests to view |
| Post-Condition | View all requests from users |

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| Use Case Name | Refuse request |
| Actor | Admin |
| Pre-Condition | Login / show request |
| Basic Flow | 1. Login 2. View requests 3. Refuse the request “route” that selected |
| Alternative Flow | Not exist any request “route” to refuse it |
| Post-Condition | Refuse selected route that is suggested from users |

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| Use Case Name | Accept request |
| Actor | Admin |
| Pre-Condition | Login / show request |
| Basic Flow | 1. Login 2. View all requests “suggested routes” 3. Accept right route |
| Alternative Flow | Not exist requests “routes” to view |
| Post-Condition | Accept the right request “route” and add it to DB |

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| Use Case Name | Show routes |
| Actor | Admin |
| Pre-Condition | Login |
| Basic Flow | 1. Login 2. Click show all routes |
| Alternative Flow | * No routes to show |
| Post-Condition | Accept the right request “route” and add it to DB |

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| Use Case Name | Delete passenger |
| Actor | Admin |
| Pre-Condition | Login |
| Basic Flow | 1. Login 2. Click view passenger. 3. Select passenger. 4. Delete . |
| Alternative Flow | No passenger to delete |
| Post-Condition | Delete selected passenger |

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| Use Case Name | Logout |
| Actor | Passenger/manger/admin |
| Pre-Condition | Login |
| Basic Flow | 1. Login 2. Click logout |
| Alternative Flow | Can’t login |
| Post-Condition | Passenger/manger/admin out of the system and any one of them can use our website as unregistered user |

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| Use Case Name | View admin profile |
| Actor | Manger |
| Pre-Condition | Login |
| Basic Flow | 1. Login 2. Click view all admin 3. Search for admin 4. Select admin that want to see his profile. |
| Alternative Flow | No admins in system to see his profiles |
| Post-Condition | View admin profile that want to see his profile. |

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| Use Case Name | Get distance |
| Actor | GPS |
| Pre-Condition | NULL |
| Basic Flow | 1. Send first point and second point to gps 2. Get the distance between the point |
| Alternative Flow | * There is unknown point * There is an invalid point that GPS doesn't recognizr |
| Post-Condition | Get the distance between 2 points |

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| --- | --- |
| Use Case Name | Get location |
| Actor | GPS |
| Pre-Condition | GPS is open |
| Basic Flow | 1. User click unknown location 2. Get location from gps and get |
| Alternative Flow | * There is unknown point * There is an invalid point that GPS doesn't recognizr   the location |
| Post-Condition | Get the distance between 2 points |

**4: Other non-functional attributes**

**4.1 Usability**

“m4war” has a simple user interface that help user to interact with it “I think that achieve usability concept”

* 1. **Extensibility**

i will achieve Extensibility concept by database of the system will not allowed to the admin add data only "routes" but i will make the passenger add data such as routes and i will describe that below.

i will make if the user search about any route from any source to any destination and the result of data search null.. in this case the user "passenger" after he knows the right route from another system or someone he can do request "route" to the "m4war" staff and this request go pending.. waiting admin to accept or refuse it