**Vehicle Marketplace System**

**Introduction**

The purpose of our software system is an online marketplace in which users can freely buy and sell vehicles without the need for a middleman. It is aimed at people who want to sell their vehicles and it is intended to provide an easy platform for buyers and sellers to contact each other.

**General Description**

The system allows all users to browse an online marketplace of vehicles uploaded by other registered users and contact them via contact information provided with the advertisement by the seller. This allows an easy way for the buyer to browse cars, pick out a suitable one that fits all their personal criteria and get in contact with the seller.

**Requirements**

For the system to be successful it must have the following:

The system will have two types of users, new users and registered users.

New users can browse the marketplace and register a new account.

Users can log into their registered accounts.

Registered users can place advertisements with pictures, a description, and various relevant details about the vehicle including its type, mileage and engine size.

Registered users can contact sellers and review other registered users.

When browsing the marketplace, a filter can be applied to narrow the user’s search.

When registering an account users must first verify their details.

**User Stories**

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| **Identifier** | US-001 |
| **Name** | Browse Marketplace |
| **Description** | As a buyer I want an intuitive way to browse cars for sale and filter my search results so that I can easily find cars for sale that fit my needs and budget. |
| **Acceptance Criteria** | 1. Advertisements can be viewed by other users. 2. Advertisements can be searched for by other users. 3. Filters can be applied to narrow the search criteria. |

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| **Identifier** | US-002 |
| **Name** | Placing an Ad |
| **Description** | As a seller I want to be able to advertise my vehicle to many prospective buyers so that I can sell quickly and easily. |
| **Acceptance Criteria** | 1. Registered users can post at least three advertisements to the marketplace. 2. Advertisements contain up to ten images, all inputted vehicle details and corresponding seller details. 3. Posted advertisements are visible to all users on the marketplace. |

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| **Identifier** | US-003 |
| **Name** | Sign-Up |
| **Description** | As a user I want to be able create an account so that I can save my information for when I need to interact with other users, contact other users and review other users |
| **Acceptance Criteria** | 1. A user can create an account with a username, name, address, password, email and phone number. 2. Registered User features become available once they have an account |

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| **Identifier** | US-004 |
| **Name** | Login |
| **Description** | As a user I want to be able login so that I can save my information for when I need to interact with other users, contact other users and review other users |
| **Acceptance Criteria** | 1. A user can log-in using their email and password to become a registered user. 2. Registered User features become available once the user is logged in. |

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| **Identifier** | US-005 |
| **Name** | Contact Seller |
| **Description** | As a buyer I want to be able to contact the seller of a car I am interested in so that I can arrange a viewing or payment for the car. |
| **Acceptance Criteria** | 1. Registered Users can send messages to other registered users. 2. Registered Users can receive messages from other registered users. |

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| **Identifier** | US-006 |
| **Name** | Review User |
| **Description** | As a buyer I want to be able to review sellers I have dealt with so that I can let other people know if they are trustworthy. |
| **Acceptance Criteria** | 1. Registered Users can write reviews for other registered users who have posted advertisements in the past. 2. Registered Users can give a star rating of other registered users who have posted advertisements in the past. 3. Users can view reviews posted about other registered users. |