

1.Introduction

1.1 Aim of the document

The aim of this document is to introduce our software MotorBreed. This document explains the first steps needed to realize this software system.

1.2 Overview of the defined system

MotorBreed was born to allow car lovers to quickly buy and sell cars. Buyers can save their favorite advertisements, can directly contact the owner of an ad which they are interested into and, can look at their order history and lastly can leave a down payment to confirm the purchase directly from MotorBreed.

On the other hand, Sellers can publish their advertisements which are customizable with car optionals and a short description of the car. In addition if the seller is not sure about the market price of his car, the price can be calculated by our accurate Evaluating system. In the end the seller can modify his advertisements in any moment.

1.3 Operational settings

The system requires a computer with Windows 7 (or macOS 10.0) and above. It must be connected to internet.

1.4 Related systems

- Automobile.it A system that allows you to sell cars through Subito.it. The pro of this system is that it allows you to link the location of the ad to Googlemaps but on the other hand, it doesn't have a price certification.
- Autoscout24: A platform to buy and sell cars where anyone can post ads. Autoscout24 allows you to filter the ads according to the vehicle's car interiors and its car body. On the other hand, the payment system is slow and complex.

2.User Stories

As a Buyer, I want to buy a car that suits me the most using filters, so that i can save time.

As a Buyer, I want to contact the seller of the car i'm interested into, so that i can examine the car in person and drive it.

As a Buyer, I want to save ads to my favorites, so that i can easily find them later.

As a customer, I want to rate sellers i bought merchandise from, so that other customers can see if he is reliable or not.

As a seller, I want to insert my personal details in my ads, so that customers can contact me to buy my merchandise.

As a customer, I want to login with Facebook, so that i don't have to remember several credentials.

3.Functional Requirements

The system shall provide a filter-based research mode to find already existing ads.

The system shall send a confirmation email to the buyer whenever he completes an ad purchase.

The system shall send a notification to the add owner whenever an email is sent to him by another user.

The system shall provide the insertion of new car ads, including their features, location and cost.

The system shall provide an evaluation of the car to the seller whenever he inserts an ad.

The system shall provide an edit mode for the Sellers to modify their advertisements.

4.Use case diagram

Model: UseCaseDiagram1



