

|  |
| --- |
| Individual  Project |
|  |
| January 15  Authored by: Mihail Vasilev Version – 0.8 |

Contents

[Revision Table 2](#_Toc124450168)

[Team 3](#_Toc124450169)

[Project Goals 3](#_Toc124450170)

[Project description 3](#_Toc124450171)

[Deliverables 3](#_Toc124450172)

[Constraints 4](#_Toc124450173)

[Features 4](#_Toc124450174)

[Testing 5](#_Toc124450175)

[Work plan 5](#_Toc124450176)

Revision Table

|  |  |  |
| --- | --- | --- |
| Version | **Changes** | **Date** |
| 0.1 | First iteration of project plan | 10.09.2022 |
| 0.2 | Updated Work plan | 13.09.2022 |
| 0.3 | Updated Project Goals,  Project Description,  Deliverables, Constraints,  Features, Testing,  Work plan | 16.09.2022 |
| 0.4 | Updated deliverables for sprint 2 | 07.10.2022 |
| 0.5 | Updated deliverables for sprint 3 | 04.11.2022 |
| 0.6 | Updated deliverables for sprint 4 | 25.11.2022 |
| 0.7 | Updated deliverables for sprint 5 | 16.12.2022 |
| 0.8 | Updated deliverables for sprint 6 (final sprint) | 12.01.2023 |

Team

1. Mihail Vasilev (Main Contact)

Email: [m.vasilev@student.fontys.nl](mailto:m.vasilev@student.fontys.nl)

Project Goals

The goals of this project are to create a website application that allows users to make and find adds about second-hand cars. The website will provide features that help when someone wants to find a particular car of their interest. The web application will have an easy to navigate user interface and provide its users with a pleasant experience as well as handle good under heavy load. The administrator of the website will be able to update the search criteria of the website by adding additional brands, vehicle types, engine types and gearboxes. Additionally, the admin has access to various statistics about the website where they will be able to extract a more comprehensive data about what kind of advertisements are posted on the website.

Project description

The idea of this project is to create a website that would allow its users to find offers for second-hand cars. The website will provide an easy to navigate and intuitive user interface where users will be able to find the best offers for all kinds of cars. Users will also be able to create offers of their own if they want to sell their car with the help of the website. The website will provide many convenient filters so that users can find easily their desired offer.

Deliverables

Functional

|  |  |
| --- | --- |
| Web application | 13.01.2023 |
| Database | 13.01.2023 |
| Documentation | 13.01.2023 |

Non-functional

|  |  |
| --- | --- |
| Database diagram | 13.01.2023 |
| Test report | 13.01.2023 |
| Security report | 13.01.2023 |
| User experience report | 13.01.2023 |

Constraints

The constraints for this project are as follows:

* Java programming language
* Spring Boot – used for back end of the application
* SQL - for database
* React framework (JavaScript, HTML, CSS) – for the front end
* Limited time - till 13.01.2023

Features

1. User without an account
   * Can view offers
   * Can search/filter offers
   * Can create an account
2. Regular user
   * Can login to their account
   * Can view offers
   * Can search/filter offers
   * Can create offers
   * Can edit their offers
   * Can delete their offers
   * Can edit their account information
3. Admin
   * Can extract general information about the application (example: most offers for car with brand “Ford”)
   * Can update and create new filter criteria (examples: car brand, gearbox type etc.)
   * Can view and compare statistics about the advertisements posted on the website

Testing

All features will be tested according to a test plan and will have required acceptance criteria to pass the test. A test plan with all the steps taken and requirements will be made to ensure the required standards are met and that all features of the application are working as intended. Unit tests are implemented for every part of the logic that this application has.

Work plan

1. Sprint 1 – Initial back-end setup

|  |  |  |
| --- | --- | --- |
| Activities | Deliverables | Date |
| Initial documentation plan | Project Plan, Backlog | 16.09.2022 |
| Git repository | Link to git repository: https://git.fhict.nl/I477424/individual-project-sem3-carshop.git | 16.09.2022 |
| First setup of Restful API | First GET, Post, Delete requests | 16.09.2022 |

1. Sprint 2 – Initial front-end setup

|  |  |  |
| --- | --- | --- |
| Activities | Deliverables | Date |
| Updated documentation | Project Plan, Backlog | 07.10.2022 |
| Design document version 1 | Design document | 07.10.2022 |
| 1st prototype iteration | React Front-end  Link to it repository: https://git.fhict.nl/I477424/individual-project-sem3-car-shop-front-end | 07.10.2022 |
| Applied research document | Applied research document | 07.10.2022 |

1. Sprint 3

|  |  |  |
| --- | --- | --- |
| Activities | Deliverables | Date |
| Updated documentation | Project plan | 04.11.2022 |
| Design document version 2 | Design document v2 | 04.11.2022 |
| Quality assurance in Git using SonarQube screenshot | Screenshot | 04.11.2022 |
| Test plan | Test plan | 04.11.2022 |
| 2nd prototype iteration | Car Shop application | 04.11.2022 |
| Research document | Research document | 04.11.2022 |

1. Sprint 4

|  |  |  |
| --- | --- | --- |
| Activities | Deliverables | Date |
| Updated documentation | Project plan | 25.11.2022 |
| Design document version 3 | Design document v3 | 25.11.2022 |
| 1st release version | CarShop Application v1 | 25.11.2022 |
| Sonarqube screenshot/report pre-post | Screenshot | 25.11.2022 |
| UX feedback report | UX feedback report | 25.11.2022 |

1. Sprint 5

|  |  |  |
| --- | --- | --- |
| Activities | Deliverables | Date |
| Updated documentation | Project Plan | 16.12.2022 |
| Final design document | Design document v4 | 16.12.2022 |
| 2nd release version | CarShop Application v2 | 16.12.2022 |
| Security report | Security report document | 16.12.2022 |
| Product and sprint backlogs | Backlog | 16.12.2022 |
| Websockets | Websockets implemented in application | 16.12.2022 |

1. Sprint 6

|  |  |  |
| --- | --- | --- |
| Activities | Deliverables | Date |
| Final documentation | Project Plan | 13.01.2023 |
| Final design document | Design document – final version | 13.01.2023 |
| Final release version | CarShop Application - Release | 13.01.2023 |
| Product and sprint backlogs | Backlog | 13.01.2023 |