MM

Tech Spec	MotoMoto
Team Name	The New Panelists
Submission Date	October 6, 2021
Team Members	Blake Del Rey Isabel Guzman Jacob Sunia James Austin Jr, Naeun Yu
Team Leader	James Austin Jr.

Table of Contents

Executive Summary

Document Summary

This document contains our business objectives as well as limitations and how we plan to address them. Our delivery outline is scheduled to reach and complete every milestone and retrospective by the end of the semester: December 10th. We also outline every feature and their respective functional and non-functional requirements.

Objectives

- Provide a consolidated platform of car builds, parts, events, and interaction.
- Offer part compatibility features to lessen user's time spent.
- Assist users in price analyses and finding popular parts.
- Help users connect with other users interested in similar products or events.

MotoMoto provides link resources on the web application and does not manufacture, sell, or ship parts listed on the website. The product is aimed at ensuring compatibility with the latest version of Google Chrome. It should include minor changes to the web application itself to reach the product's objectives. This product will include sources to external vendors for potential payment where information may be used by such parties for research purposes.

For more information:

To access our project's Project Proposal: (link)

To access our project's BRD: (link)

To access our project's Site Map: (link)

To access our project's HLD: (link)

Assumptions & Out of Scope

Assumptions

- Our website application will only be available in US English and we will assume that all users accessing the website are in the United States
- Our application will consistently have measures built into the code to ensure that there is no mis-information being shared or on the website about part use or pricing

Out of Scope

Offline Use

The application will not be available as a mobile application but will be accessed through any http server. This means that the application does require internet access to send and receive information.

Software to Build the Product

Communication Software

- Discord Desktop Application - Minimum Version Stable 100054
  - Used for immediate communication in-between team members:
    - Channels for setting up meetings, voice meeting communications, check deadlines, helpful learning resources, and voting
- Trello Desktop Application - No Version Number Applicable
  - For daily scrum meeting updates
  - Checking/meeting deadlines set and knowing future deadlines
  -
- Zoom Desktop Application - Minimum Version 5.8.0
  - For the teacher to communicate partial expectations and deadlines as well as answering questions in office hours

Documenting Software

- Diagrams.net Desktop Application - Minimum Version 15.4.0
  - UML creation
  - Site Map creation
- OneDrive Desktop Application - Minimum Version 21.160.0808.0002
  - To store all finalized documents of the project, including but not limited to: project proposal, brd, site map, etc.
- GoogleDrive - No Version Number Applicable
  - Used by team members to work on documents collaboratively and see edits in real-time before submitting final drafts
- Microsoft Excel - Minimum Version 16.0.13901.20400
  - Used by the team to log hours worked throughout the week
  - Used to create team BurnDown Charts for sprints

Version Control Software

- GitHub Desktop - Minimum Version 2.9.3
  - A multifaceted website that will allow our team to push edits of code so that members can see what team members have contributed and when
  - All team members already have accounts with this site and it is free to use
  - Required by client

Software continued...

Project Development Software

- Visual Studio Code - Minimum Version 16.11.4
  - Code editor for hundreds of coding languages
- Postman - Minimum Version 9.0.5
  - API platform for building and using API's
  - To start is a free software and would be great for integration testing of our APIs

Programming Languages

- HTML5 - Minimum Version 5.0
  - Used for structure and display of content on the website
  - This is required for layout and we are using 5 as it is the newest version
- CSS - Minimum Version 2.1
  - Used to create a more 'stylish' user interface
  - Used alongside HTML5
- JavaScript - Minimum Version ES6 ECMAScript 2018
  - Using Javascript as it is the most popular and well known of our team members
  - ReactJS - Minimum Version 17.0.2
    - Front-end javascript library used to build the user interface
    - For formatting and presenting information on the website
- Django - Minimum Version 3.2.8
  - Python framework for back-end development
  - Will help us develop the website faster
- SQL - Version Number Not Applicable
  - Used for accessing the database of the website
  - Logging information from the website
  - Chosen because all of our team members know how to use this language
- Microsoft SQL Server - Minimum Version 15.0.4178.1
  - Open-source relational database management system based that is used hand-in-hand with the SQL language

Software continued...

Operating Systems

- Windows 10 - Minimum Version 21H1
  - For application development, testing, and deployment
  - We will continually check for system updates to ensure our application can run on the latest version within two weeks of release date
- macOS - 11.5.2
  - For application development, testing, and deployment
  - We will continually check for system updates to ensure our application can run on the latest version within two weeks of release date
- We choose to run on these operating systems as they are most widely used by potential users

Software to Use the Product

Web Browser

- Google Chrome - Minimum Version 94.0.4606.71
  - We will continually check for chrome updates to ensure our application can run on the latest version within two weeks of release date