

# **Progress Report**

- Increment 1 –

Group #9

## **1. Team Members**

Jack Hyland, Gabriel Rigdon, Joab Temotio

## **2. Project Title and Description**

DIY Vehicle Maintenance Manager

We are developing an application for users working on DIY vehicle projects who wish to manage their part inventory and information. We will offer users an interactive service where they can track their vehicle and part data easily. Beyond just data storage, we want users to be able to receive alerts about expired information, among other time specific issues that may be associated with their data. Using a web interface, users will have an account where they can monitor multiple vehicles at once in a user friendly environment.

## **3. Accomplishments and overall project status during this increment**

So far, we've developed the frontend for the application, implementing the core UI components and user interactions. The frontend structure is in place, and we have a solid foundation to build upon. This includes defining how the API will interact with the frontend, database schema considerations, and choosing the necessary technologies for backend implementation

## **4. Challenges, changes in the plan and scope of the project and things that went wrong during this increment**

We did not have any big issues during this increment.

## **5. Team Member Contribution for this increment**

### **Jack Hyland Contributions:**

- Progress Report
  - Established and shared document structure
  - Completed/Worked on sections 1, 2, 6
- Requirements and Design Document
  - Established and shared document structure
  - Wrote project overview section
  - Wrote first draft of functional requirements using proper terminology
  - Wrote first draft of non-functional requirements using proper terminology
  - Wrote operating environment section
- Implementation and Testing Document
  - Established and shared document structure
- Source Code
  - Worked on Modal.css to improve form styling (Issue #14 Resolved)
    - Improved button interaction and design
    - Changed form coloring
  - Added style and interaction to User Profile page via UserProfile.css and UserProfile.tsx (Issues #20 + #21 Resolved)
    - Developed page color

- Added “Add Maintenance Item Button”
  - Added modal popup for button interaction
  - Designed form for modal
- Added more detail to the design of navbar in Navbar.css (Issue #9 Progressed)
  - Added title with hover features
  - Changes button design and hover effects
  - Added gradient to navbar coloring
  - Added ‘Oswald’ font to title and all buttons
- Updated the fonts in all forms and on User Profile page to match (Issue #24 Resolved)
  - Changed all fonts to Oswald
- Video/Presentation
  - Developed and shared slideshow for presentation
  - Filled with details of increment progress and provided blueprint for video structure

### **Joab Temotio:**

- #0015 - Removed the text on the home page that indicated whether the modal was interacted with.
  - Removed “Cancel was clicked” bar from home page.
- #0012 - Added a 'UserProfile' page
  - Created the user page that displays information about the user.
  - Displays information about their account's car.
  - Ensured the page follows the design consistency of the application.
- #0016 - Fixed the Car Profile and User Profile pages to match the style of the home page.
  - Referred to color palette to make sure everything matched.
- Created Use Case diagram
- Created Class and Sequence diagrams
- Wrote part of the Software Implementation and Testing Document

## **6. Plans for next increment**

In the next increment, we want to begin development on our backend structure. We want to be able to access our API to both retrieve vehicle information, but also validate user data. We are going to develop a c# backend class hierarchy to manage vehicle objects. We also want to get started on the development of our database using PostgreSQL so we can have users' data persist between sessions and begin seeing the real function of our site. Finally we also want to further improve our web design. Currently, our website layout isn't user friendly, as much space is empty and the placing of buttons is obscure. By the end of our next increment, we want our website to be more visually appealing and have a more structured manner of user interaction.

## **7. Stakeholder communication**

Dear all,

We are excited to share the latest progress on our Maintenance Tracker, our application design to help DIY mechanics track vehicle maintenance with ease.

Status:

- Front end: The majority of the user interface is now complete, including navigation, car profile pages, and maintenance tracking forms. The design is intuitive, with a consistent look and feel that aligns with our usability.
- Backend: We have finalized the structure of our API, ensuring it will efficiently handle data storage, retrieval, and user interaction. The next step is implementation, focusing on seamless integration with the frontend.

Challenges & Next Steps:

Ensuring communication between the frontend and backend is crucial. Our next phase will focus on implementing and testing back end functionality, including database integration and API security. Additionally, we will conduct testing to ensure fast, reliable access to all information we have stored.

We appreciate the support and look forward to sharing further updates.

## **8. Link to video**