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| Edmonton Used Car Dealer | New and Used Car For Sale | 780cars  pROJECT pLAN | Project plan for an individual assignment in the second year S-CB-S2-CMK |

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## THE CLIENT

* A client of the project is represented by Teun Cortooms and Mieke van Vucht, who are teachers at Fontis University of Applied Sciences.
* Contact person: Teun Cortooms (WAD)
* Email address: t.cortooms@fontys.nl
* Contact person: Mieke van Vucht (OOD)
* Email address: m.vanvucht@fontys.nl.

## TEAM

* Our team is represented by Atanas Dimitrov (a student at Fontys University), who will take care of the overall preparation of the project, together with its documentation.
* email: [atanas.dimitrov@student.fontys.nl](mailto:atanas.dimitrov@student.fontys.nl)

## WAY OF WORKING

* The project's approach involves gradually integrating new concepts and knowledge gained throughout my learning process. As I continue to learn, I will consistently apply newfound knowledge to enhance the project. Regular meetings with my teachers will provide valuable guidance and feedback, contributing to the improvement of both the work process and the overall quality of the final product.
* Weekly meetings are held with our project's tutor and client, respectively. These meetings serve to update both the client and the tutor on our project's progress. Additionally, they provide opportunities for feedback, allowing the client to request additional features or the removal of already implemented ones..

## CURRENT SITUATION

* There is still no platform in the online space that brings together such a large range of information and sales opportunities related to cars. The project aims to fill this gap by providing an unforgettable experience to its users.

## PROBLEM DESCRIPTION

* The automotive industry lacks a centralized platform to meet the diverse needs of enthusiasts. Fragmented experiences across multiple platforms frustrate users seeking comprehensive car information, up-to-date news, forums, and a user-friendly marketplace. The absence of a dedicated marketplace tailored to enthusiasts further complicates buying/selling within the community. Disjointed platforms hinder engagement, accessibility, and convenience, emphasizing the need for a cohesive solution. Integration of web and desktop applications is crucial to address the diverse needs of car enthusiasts, providing a unified platform for seamless interaction and appreciation of cars.

## PROJECT GOAL

* The primary objective of this project is to develop both web and desktop applications interconnected through a shared database, aiming to deliver a comprehensive automotive experience. Focused on the theme of cars, the goal is to unite all elements essential to car enthusiasts within a single platform. The web application will serve as a central hub for enthusiasts and seekers of car knowledge, offering a plethora of features including detailed car profiles, up-to-date news, engaging community forums, and a user-friendly marketplace for selling cars through advertisements. This integrated platform will cater to the diverse needs of automotive enthusiasts, providing a seamless and immersive experience.

## DELIVERABLES

* Web application
* Desktop application
* Shared database
* Documentation

## NON-DELIVERABLES

* Continued maintenance after project submission;

## RISK MANAGEMENT

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| --- | --- |
| If someone is sick | If I get sick it won't be a problem as I am organized and will easily be able to make a plan to follow to achieve my goals. |
| If the code is broken | I will revert to the previous stable version from my GitLab repository. |
| If my GitLab repository is deleted | I will upload the latest version of the code from my laptop. Additionally, I will contact GitLab support to investigate the possibility of recovering my repository. |
| If I have problems with the implementation | First, I will try to find help on the Internet. If that doesn't help, I will ask my teachers for help. |
| If there is a problem with the technique I am working with. | I will ask to borrow a laptop from ISSD in Fontys. I will then link it to my GIT account and continue working on the project. |
| If I don't have time for my results | I'll create a table categorizing them into 'must have,' 'should have,' and 'could have' to prioritize effectively. |

## CONSTRAINTS

* Budget: $ 0;
* Work force: 1 workers;
* Initiation: 24 February 2024;
* Deadline: 24 June 2024;
* Use limited to C#, Windows Forms, HTML/CSS, ASP.NET, MSSQL;

## PHASING

**1. Planning and Preparation:**

* Define project goals, objectives, and requirements.
* Create a project plan outlining tasks, timelines, and milestones.
* Set up project management tools and establish GIT.

**2. Research and Learning:**

* Conduct research on relevant technologies, tools, and methodologies.
* Review Fontys University study materials to apply relevant concepts.
* Identify potential challenges and areas where additional learning may be needed.

**3. Development:**

* Begin development of the web and desktop applications.
* Implement features and functionalities based on project requirements.
* Regularly test and debug code to ensure functionality and quality.

**4. Integration and Testing:**

* Integrate web and desktop applications with the shared database.
* Conduct thorough testing to identify and fix any bugs or issues.
* Ensure seamless communication and data synchronization between applications.

**5. Feedback and Iteration:**

* Seek feedback from stakeholders, including your project tutor and client.
* Incorporate feedback to refine and improve the project.
* Iterate on development and testing based on feedback received.

**6. Submit:**

* Prepare for deployment of the web and desktop applications.
* Conduct final testing and quality assurance checks.
* Submit the applications in the assignment section of Canvas so that teachers can check my work.