Prototype-Midterm

 Logo

Description automatically generated

|  |  |
| --- | --- |
| **Student Name/ID Number:** | Francis Roel L. Abarca – BDSE-0922-113 |
| **Academic Year:** | 2022-2023 |
| **Unit Assessor:** | Arvinder Kaur |
| **Project Title:** | CPL-Midterm |
| **Issue Date:** | 9/8/2023 |
| **Submission Date:** | 9/16/2023 |
| **Internal Verifier Name:** | Arvinder Kaur |
| **Date:** | 9/8/2023 |

|  |
| --- |
| **Learner declaration** |
| I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.    9/8/2023  Student signature: Date: |

1. A summary of the project's objectives, scope, and requirements, as outlined in the project brief or proposal.

The project’s primary goal is to design and implement a self-hosted AI chatbot for Jumpstart. This chatbot will use LLaMA 2 to integrate with Jumpstart’s REST API, providing information about stock and product descriptions. The chatbot will be evaluated and tested with real users, with the feedback and metrics analyzed to measure customer satisfaction, engagement, and loyalty. The project will also explore successful AI chatbots in retail, such as those used by H&M and Tommy Hilfiger, with the chatbot running on our own systems for greater security and control.

The project’s scope includes understanding the benefits and challenges of using AI chatbots in retail, designing and implementing the chatbot prototype, evaluating its performance with real users, and studying successful examples in the industry. The objectives are to review existing research on AI chatbots in retail, identify key features for a successful chatbot, develop a prototype for Jumpstart using LLaMA 2, and provide recommendations for improvement.

The project requirements include using ReactJS for the front-end development, a Ryzen 7 System costing around $300, Spring Boot for the application framework, and MySQL Server for the database management system.

1. A brief description of the technologies, programming languages, and frameworks used to develop the website.
2. Design and other design assets that illustrate the website's layout, color scheme, typography, and overall user interface design.
3. A description of the website's core functionality and features that have been implemented so far, along with any that are planned for the remaining development period.
4. Sample code snippets and database schemas that showcase the website's back-end functionality.
5. A detailed roadmap or timeline for the remaining tasks and deliverables, along with any changes or updates to the original project plan.