VATTO Tech - Phase 2

MVP Functionality & Overview

Brief Summary of What Was Completed in Iteration 1:

In Iteration 1, the projects' basic and core functionality components were completed. A simple yet functional user interface was developed to ensure it was easy to navigate. Even though it is simple at the moment, it is very functional and easy to navigate. An example database was also set up to store and manage products while we await your database. Another core functionality was implementing a search function, allowing users to search and locate products easily. Finally, the last functionality added in Iteration 1 was the ability to add, edit, or remove products in the database, enabling users to manage the products. This iteration laid a solid foundation for future improvements.

Implemented User Stories:

Search Function (Priority 10)
"As an inventory manager, I want a search function to search for specific items with the available filtering by relevance, name, and filtering from cheapest to highest in price."

Add, Remove, or Edit Products to the Database (Priority 10)
"As an inventory manager, I want to be able to add, edit, or remove products in my inventory to keep the catalog up to date."

Create Database (Priority 20)
"As a developer, I want to set up a database to store and manage product information so that the system can efficiently handle inventory data."
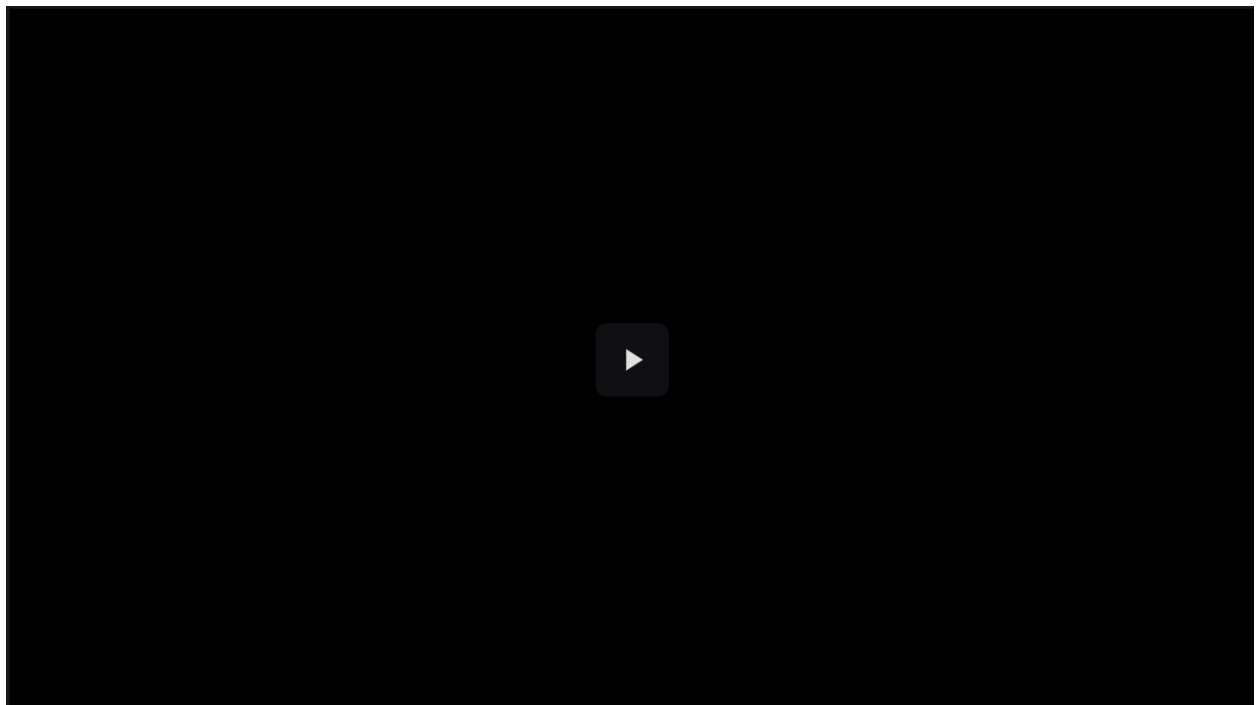
User Interface (Priority 20)
"As an inventory manager, I want a simple and user-friendly interface so that I can easily navigate and manage inventory."

Gaps or limitations in the MVP:

Our biggest limitation right now is the lack of an actual database. Currently, we are using an example database as a temporary solution, but it won't be a permanent fix. The MVP features a basic user interface. It is functional but minimal, leaving plenty of room for design improvements. Another gap in our MVP is that our search functionality does not have a sort/filter, which will be implemented in our next iteration.

Demonstration of MVP (5 min Video)

(Click on the play button to open the video)

Repository & Project Board Review

1. The project board has been updated to reflect the completed work

2. The code has been committed to the repository

3. A README.md has also been created for basic instructions on how to run the MVP named "Basic Setup Instruction.md".

Link to our Repository: https://github.com/AbdullahM1234/VATTOTech

Link to our Iteration 1 Project Board updated:
http://github.com/users/AbdullahM1234/projects/1/views/2?sliceBy%5Bvalue%5D=1st+Iteration

Link to our README.md - VATTOTech/Basic Setup Instruction.md at main · AbdullahM1234/VATTOTech

Challenges & Next Steps

Major Technical or Process-Related Challenges:

A significant process-related challenge was the time restraint for testing our functions and code. Due to the limited time, we found ourselves rushing through the testing, which could have affected the thoroughness of our quality. Despite this challenge, we were able to meet the project Iteration 1 deadline and completed the tasks. Another would have been that as we were implementing the function to add product/products from a file into the database, we realized that we would also have to change the function to add a product from the UI to also add to the database rather than only adding to the list in the program.

Goals for the next iteration:

A goal for the next iteration is to finish all our tasks before the 12th of March. This way, we will have 3 days to test and review our code. Additionally, we had to improve the quality of our user interface. Currently, it is simple and basic. Instead, we want to make it more appealing to the users. We can make it look better with the help of a user login.