



Software Engineering project 2023/2024

Ca' Foscari University of Venice



Progress of the Project
2.0

AgileMasters

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Document Informations

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Document History

Version	Issue Date	Stage	Changes	Contributors (reviewer)
0.1	13/12/2023	Draft	Ended Analysis	Alberto Tomasin, (André Ramolivaz)
1.0	14/12/2023	Final	Finish Document	(Simone Dinato, André Ramolivaz, Alberto Tomasin, Mirco De Zorzi)
2.0	15/01/2024	Final	Documentation Alignment	Simone Dinato, (Alberto Tomasin)



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1. Introduction

This document is designed to provide an overview of the ongoing development process of our digital financial tools suite. Its primary objective is to document the progression of the application's features, highlight key accomplishments, and outline future development milestones.



2. Development progress

As of the current date, significant progress has been made in the development of several core components of the application. The user-centric news platform has been successfully implemented, with backend and frontend development completed for the wallet feature. Current efforts are focused on developing the educational chatbot and integrating an OTP login feature using Firebase. The application's backend is robustly supported by Redis and PostgreSQL databases, while the frontend has been developed using Dart. In details:

Completed Components:

- **News Platform:** We have successfully created a user-centric news platform. This platform leverages on user preferences and portfolio holdings. Its development involved integrating real-time news feeds and implementing algorithms to filter and prioritize news content relevant to each user's investment portfolio.
- **Portfolio Simulation Tool:** The development of the portfolio simulation tool has been completed. The tool's interface is designed for ease of use, enabling users to quickly adjust parameters and visualize potential outcomes.
- **Wallet Implementation:** Our team has effectively completed frontend development for the wallet feature. This involved creating secure and scalable database structures using Redis and PostgreSQL for backend storage, and employing Dart for a smooth and responsive frontend experience.

In-progress Components:

- **Educational Chatbot:** The development of the educational chatbot is currently underway. The chatbot aims to provide users with lessons and answers to queries on financial topics. The remaining tasks include refining the AI's understanding of complex financial queries and integrating it with our existing data sources.
- **OTP Login Implementation:** Integrating OTP login using Firebase is in progress. We are currently addressing challenges related to ensuring secure and seamless authentication processes, especially focusing on optimizing the system for speed and reliability across various devices.



3. Additional Notes

The complete source code and documentation for the digital financial tools suite are maintained in a dedicated GitHub repository. This repository includes all the codebases for the different components of the application.

The link to the GitHub repository will be attached here [link](#). This link provides access to the latest version of the application's source code, along with historical versions and development notes.

The repository is regularly updated to reflect the latest progress in the development cycle. It serves as a central point for accessing all documentation, code, and resources related to the project.