

Project Documentation

GENERAL INFORMATION

Project Name:

Financial Data Chatbot (FDC)

Purpose:

To facilitate access and consultation of financial data through a user-friendly platform, using the capabilities of SQL, Python, and the Alpha Vantage API and an AI-based chatbot.

Scope:

The software will allow users to make specific financial data queries, obtain real-time results using the Alpha Vantage API, and receive immediate answers to common questions through an integrated AI-based chatbot.

1.3 Team

Name	Role	Email/Phone
JOEL MENDONSA	PYTHON DEVELOPER	Jmendonasa8141@conestogac.on.ca
JORGE SABOGAL	PYTHON DEVELOPER	jsabogaltamayo6485@conestogac.on.ca
MOULYA BANGALORE PRADEEP	PYTHON DEVELOPER	mpradeep3556@conestogac.on.ca

Refined Functional Requirements

#	Functional Requirement	Category	Notes	Priority	Team Member
1	Integration with Alpha Vantage API	API Integration	Enable data retrieval through Alpha Vantage API using a valid API key.	High	JOEL MENDONSA
2	Execute SQL Queries	Database Management	Support the execution of standard SQL queries to interact with the database.	High	JOEL MENDONSA
3	AI Chatbot Development	Chatbot	Implement an AI chatbot that utilizes an AI API to accurately respond to user inquiries.	High	JORGE SABOGAL, MOULYA B. PRADEEP
4	Intuitive User Interface	User Interface	Develop a user interface that facilitates easy submission of queries and visualization of results.	High	JORGE SABOGAL, MOULYA B. PRADEEP

5	Real-time Financial Data Alerts	Notification	Implement a notification system that sends real-time financial data.	Medium	JOEL MENDONSA
6	Export Data Functionality	Data Export	Provide functionality that allows users to export query results to CSV/Excel formats.	Low	MOULYA B. PRADEEP
7	Visual Representation of Data	Data Visualization	Incorporate data visualization tools to present query results in a graphical format within the UI.	Medium	MOULYA B. PRADEEP