

GENERAL INFORMATION

Project Name:

Financial Data Query Software (FDQS)

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(META LLAMA).

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	Jmendonsa8141@conestogac.on.ca
JORGE SABOGAL	PYTHON AI DEVELOPER	jsabogaltamayo6485@conestogac.on.ca
MOULYA BANGALORE PRADEEP	BUSINESS ANALYST DEVELOPER	mpradeep3556@conestogac.on.ca
YATRI JAYESH SONI	SQL DATABASE ADMIN	ysoni2938@conestogac.on.ca

Functional Requirements

#	Functional Requirement	Category	Notes	Priority	Owner
1	Integration with the Alpha Vantage API for data consultation	API Integration	A valid API key will be required	High	JOEL MENDONSA
2	Ability to perform SQL queries on	Database	Standard SQL commands	High	Yatri Jayesh Soni

	the database		will be used		
3	Development of AI-based chatbot for answering questions	Chatbot	Integration with an AI API for the chatbot	Medium	JORGE SABOGAL
4	User-friendly interface for queries and viewing results	User Interface	Intuitive and responsive design	High	Moulya B. Pradeep
5	Alert functionality for significant changes in financial data	Notification	Real-time alerts	Medium	JOEL MENDONSA
6	Ability to export query results to CSV/Excel formats	Data Export	One-click export	Low	Yatri Jayesh Soni