# 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.

## 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

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| --- | --- | --- |
| 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 |

## Functional Requirements

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| --- | --- | --- | --- | --- | --- |
| # | 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 the database | Database | Standard SQL commands will be used | High |  |
| 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 |  |