Functional Requirement Document

Project Title: Financial Data Chatbot (FDC)  
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# 2. Functional Requirement

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| # | Functional Requirement | Category | Notes | Priority | Owner |
| 1 | User Interaction with Chatbot | Chatbot | 1.1 Users should be able to interact with the chatbot using natural language text input. 1.2 The chatbot should provide relevant answers and financial data based on user inquiries. 1.3 The chatbot interface should be intuitive and easily accessible from the main page. | HIGH | JOEL |
| 15 | Accessibility | UX/UI | 15.1 Ensure the application is accessible to users with disabilities (e.g., screen readers, keyboard navigation). | HIGH | JORGE |
| 16 | User Authentication and Authorization | Security | 16.1 Users must be authenticated before accessing personalized financial data. 16.2 Different levels of authorization should be implemented to restrict access to various parts of the application. | HIGH | MOULYA |
| 25 | Content Customization | User | 25.1 Users should be able to customize the type of financial data and news they see on their homepage/dashboard. 25.2 The system should learn from user interactions and suggest relevant data. | HIGH | MOULYA |
| 1 | User Interaction with Chatbot | Chatbot | 1.1 Users should be able to interact with the chatbot using natural language text input. 1.2 The chatbot should provide relevant answers and financial data based on user inquiries. 1.3 The chatbot interface should be intuitive and easily accessible from the main page. | HIGH | JOEL |
| 15 | Accessibility | UX/UI | 15.1 Ensure the application is accessible to users with disabilities (e.g., screen readers, keyboard navigation). | HIGH | JORGE |
| 13 | Multi-Language Support | Language | 13.1 The chatbot should support multiple languages. 13.2 Users should be able to easily switch between languages. 13.3 There is a limited range of languages, so the user will have limited access to only a few selective languages. | LOW | MOULYA |
| 14 | Reporting and Analytics | Reports | 14.1 The system should generate reports on user activity and data queries. 14.2 Admin should be able to access and analyze reports for decision-making. 14.3 These reports can help the admin understand whether it performed well or whether there were any issues with the output and performance. | HIGH | JOEL |
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| 16 | User Authentication and Authorization | Security | 16.1 Users must be authenticated before accessing personalized financial data. 16.2 Different levels of authorization should be implemented to restrict access to various parts of the application. | HIGH | MOULYA |
| 17 | Real-Time Data Updates | Data | 17.1 The chatbot should provide real-time updates of financial data without requiring a page reload. 17.2 Users should be notified of significant real-time changes in the data they are viewing. | HIGH | JOEL |
| 18 | Data Exporting | Data | 18.1 Users should be able to export financial data (e.g., historical data, charts) in various formats (e.g., CSV, PDF). | MEDIUM | JORGE |
| 19 | Search Functionality | UX/UI | 19.1 Users should be able to search for specific financial data using a search bar. 19.2 Search results should be accurate and relevant. | HIGH | MOULYA |
| 20 | Error Handling and Help | Help | 20.1 Provide clear error messages and guide users toward solutions. 20.2 If the chatbot cannot answer a user’s question, it should guide them to the help center or FAQ. | HIGH | JOEL |
| 21 | User Tutorial | UX/UI | 21.1 Implement a user tutorial or walkthrough for first-time users to understand how to interact with the chatbot and use the platform. | MEDIUM | JORGE |
| 22 | User Activity Log | User | 22.1 The system should keep a log of user activities for auditing purposes. 22.2 Users should be able to review their activity log. | MEDIUM | MOULYA |
| 23 | Social Sharing | Social | 23.1 Allow users to share interesting financial data or news directly from the platform to social media. | LOW | JOEL |
| 24 | Customer Support | Support | 24.1 Implement a customer support chat or contact form for users to ask questions or report issues. | MEDIUM | JORGE |
| 25 | Content Customization | User | 25.1 Users should be able to customize the type of financial data and news they see on their homepage/dashboard. 25.2 The system should learn from user interactions and suggest relevant data. | HIGH | MOULYA |