**Functional Requirements Document (FRD)**

**BOFA Banking App**



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**1. VERSION AND APPROVALS**

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| --- | --- | --- | --- |
| Version | Date | Author | Approver |
| 1.0 | 09/19/2024 | [@Edigi Rakesh Goud](javascript:%20void;) | [Approver Name] |

**2. EXECUTIVE SUMMARY**

The BOFA Banking App project aims to significantly enhance the user experience by incorporating advanced biometric technology, including fingerprint and face scanner options, for faster and more secure login. This integration will streamline the login process, allowing users to access their accounts quickly without the hassle of entering passwords repeatedly. Additionally, the app will feature a comprehensive expenditure reporting tool that provides users with detailed breakdowns of their spending for a selected month. These reports will include categorized expenses, enabling users to gain deeper insights into their financial habits. By offering personalized financial data, the app empowers users to make more informed decisions about their spending, budgeting, and savings goals. Overall, this project combines cutting-edge security measures with robust financial management tools to deliver a seamless and informative banking experience.

**3. PROJECT DETAILS**

* **Project Name**: BOFA Banking App
* **Project Manager**: [Project Manager Name]
* **Start Date**: [Start Date]
* **End Date**: [End Date]
* **Budget**: [Budget Amount]

**4. FUNCTIONAL REQUIREMENTS**

**4.1 User Authentication**

* **FR-1**: The app must allow users to log in using fingerprint or face scanner.
* **FR-2**: The app must support multiple biometric authentication methods.
* **FR-3**: Ensure compatibility with both Android and iOS devices.
* **FR-4**: Provide fallback login options like PIN or password.

**4.2 Expenditure Reports**

* **FR-5**: Users must be able to select a specific month to view their expenditure.
* **FR-6**: Display a summary of total expenditure for the selected month.
* **FR-7**: Provide a detailed breakdown of expenditure categories (e.g., food, travel, utilities).
* **FR-8**: Allow users to export expenditure reports in PDF or CSV format.

**4.3 User Interface**

* **FR-9**: The app must have a user-friendly interface for easy navigation.
* **FR-10**: Ensure that the biometric login option is prominently displayed on the login screen.
* **FR-11**: The expenditure report section must be easily accessible from the main menu.

**4.4 Security**

* **FR-12**: Implement end-to-end encryption for all user data.
* **FR-13**: Ensure that biometric data is stored securely and complies with relevant regulations.
* **FR-14**: Regularly update security protocols to protect against new threats.

**5. USE CASE DIAGRAMS**

*To be added*

**6. HIGH-LEVEL PROCESS FLOW DIAGRAM**

*To be added*

**7. BUSINESS RULES**

* Users must have a registered account to use biometric login.
* Biometric data must be authenticated by the device's native biometric system.
* Expenditure data must be updated in real-time.

**8. FUTURE ENHANCEMENTS**

* Integration with other financial tools and apps.
* Addition of more detailed analytics and insights for expenditure reports.
* Support for additional biometric methods as technology evolves.