

Project Planning

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Item	Priority	Estimation	Assigned To	User Story	Tasks
Real-time exchange rate data feed	High	5 story points	Pradeep	As a financial analyst, I want to access real-time exchange rate data so that I can make informed investment decisions.	- Set up real-time data source - Implement data feed API - Create data visualization in Tableau
Historical exchange rate data retrieval	High	3 story points	Sujan	As a user, I want to view historical exchange rate data for the past year so that I can analyze trends.	- Design and implement historical data retrieval - Create a historical data repository
Data preprocessing and cleansing	High	8 story points	Pradeep	As a data analyst, I want data preprocessing and cleansing tools so that I can prepare data for analysis efficiently.	- Design data preprocessing logic - Implement data cleansing - Test data processing

Data analysis and modeling	High	10 story points	Uday	As a data scientist, I want data analysis and modeling tools to forecast exchange rates.	- Develop data analytics models - Implement predictive modeling - Validate model accuracy
Report generation	High	5 story points	Sujan	As a business executive, I want summary reports on exchange rate fluctuations to make strategic decisions.	- Design summary report templates - Implement automated report generation
User-friendly mobile app	High	13 story points	Pradeep	As a traveler, I want a mobile app that provides currency conversion and alerts me about favorable exchange rates.	- Design mobile app UI - Develop mobile app features - Implement push notifications
API for integration	Medium	8 story points	Sujan	As an integration specialist, I want an API for external data integration.	- Design API endpoints - Develop API logic - Implement data synchronization

Export data in various formats	Medium	5 story points	Uday	As a user, I want to export data in various formats (CSV, PDF) for analysis and reporting.	- Implement data export functionality - Support multiple export formats
Compliance tracking	Medium	8 story points	Pradeep	As a compliance officer, I want compliance tracking for international transactions.	- Implement compliance tracking features - Record and report compliance data
Dashboard for financial advisors	Medium	13 story points	Sujan	As a financial advisor, I want a dashboard with live exchange rate data and trend analysis.	- Design dashboard layout - Develop real-time data widgets
Budget planner tool	Low	10 story points	Uday	As a user, I want a budget planner tool to calculate projected foreign currency expenses.	- Develop budget calculation logic - Implement budget planning features
Researcher access to raw data	Low	8 story points	Pradeep	As a data scientist, I want access to raw data for custom modeling and analysis.	- Develop researcher data access API - Secure data access for researchers

Summary report for business executives	Low	5 story points	Sujan	As a business executive, I want summary reports on exchange rate fluctuations.	- Design summary report templates - Generate executive-level reports
Forex calculator	Low	5 story points	Uday	As a user, I want a forex calculator for easy currency conversion.	- Implement currency conversion logic - Design user interface
Researcher access to raw data	Low	8 story points	Pradeep	As a data scientist, I want access to raw data for custom modeling and analysis.	- Develop researcher data access API - Secure data access for researchers

Project Board Section

To-Do	In Progress	In Review	Done
Exchange Data Feed	Real-time Data Feed	Data Cleansing	Historical Data
Historical Data	Data Preprocessing	Data Analysis	Real-time Data Feed
Data Preprocessing	Alerts and Notifications	Report Generation	Data Cleansing
Data Analysis			Real-time Data Feed
Report Generation			Historical Data
User-Friendly App			Real-time Data Feed
API Integration			Historical Data

Compliance Tracking		Data Preprocessing
Dashboard		Alerts and Notifications
Budget Planner		Data Analysis
Exchange Rate Forecast		Report Generation
Summary Reports		User-Friendly App
Forex Calculator		API Integration
Researcher Access		Compliance Tracking
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Backlog Items in order of preference

User Story	Priority	Est. Story Points
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Real-time Exchange Rate Data	High	5
Historical Data Retrieval	High	3
Data Preprocessing and Cleansing	High	8
Data Analysis and Modeling	High	10
Report Generation	High	5
User-Friendly Mobile App	High	13
API for Integration	Medium	8
Alerts and Notifications	Medium	5
Export Data in Various Formats	Medium	5
Compliance Tracking	Medium	8
Dashboard for Financial Advisors	Medium	13
Budget Planner Tool	Low	10
Exchange Rate Forecast	Low	8
Summary Reports for Business	Low	5

Executives

Forex Calculator	Low	5	
Researcher Access to Raw Data	Low	8	

Project Timeline:

1. Phase 1: Planning and Setup (Days 1-5)

- Define project scope and objectives.
- Set up project management tools.
- Identify team roles and responsibilities.

2. Phase 2: Backlog Refinement (Days 6-8)

- Review and prioritize the project backlog.
- Refine user stories and acceptance criteria.
- Estimate story points for backlog items.

3. Sprint 1: Real-time Data Feed (Days 9-15)

- Implement real-time data feed API.
- Set up data source for exchange rates.
- Develop initial data visualization.

4. Sprint 2: Historical Data and Cleansing (Days 16-22)

- Implement historical data retrieval.
- Create data repository for historical data.
- Design and implement data preprocessing logic.

5. Sprint 3: Analysis and Modeling (Days 23-27)

- Develop analytics models for exchange rate forecasting.
- Implement predictive modeling algorithms.
- Validate model accuracy.

6. Phase 3: Reporting and Alerts (Days 28-30)

- Design report templates.
- Implement automated report generation.

- Set up alert triggers and notification system.

7. Project Review and Documentation (Day 30)

- Review project outcomes and deliverables.
- Document lessons learned and potential improvements.
- Prepare for project handover or future iterations.