Ideation Phase Brainstorm & Idea Prioritization Template

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Team ID	SWTID1743315733
Project Name	Personal Finance Tracker
Maximum Marks	4 Marks

Here's the revised format for pasting into Word:

Brainstorm & Idea Prioritization

Brainstorming

During the initial planning phase for the Personal Finance Tracker, we brainstormed key features and user needs for managing personal finances effectively. The goal was to create a user-friendly tool that provides clear insights into financial health.

Key Ideas Generated:

- Secure user authentication (registration/login).
- Intuitive interface for adding, editing, and deleting income and expense transactions.
- Categorization of expenses (e.g., Housing, Food, Transportation) and sources for income (e.g., Salary, Freelance).
- Ability to set and track monthly budgets by category (frontend/src/pages/Budgets.js).
- Dashboard overview (frontend/src/pages/Dashboard.js) showing key stats (Total Income, Total Expenses, Balance, Savings Rate).
- Visual reports with charts (Pie chart for expenses by category, Bar chart for income vs. expenses) (frontend/src/pages/Dashboard.js, frontend/src/pages/Reports.js).
- Display of recent transactions on the dashboard.
- User profile management (frontend/src/pages/Profile.js) including password change and currency preference.
- Responsive design for usability across different devices (frontend/src/App.css).
- Filtering and pagination for transaction lists (backend/controllers/expenseController.js, backend/controllers/incomeController.js).

User Pain Points Identified:

- Difficulty in consistently tracking all income and expenses.
- Lack of a clear, visual overview of spending habits and financial standing.
- Challenges in setting realistic budgets and monitoring progress against them.
- Security concerns when managing financial data online.
- Existing tools often feel complex or overwhelming.

Idea Prioritization

We used the MoSCoW prioritization technique (Must-have, Should-have, Could-have, Won't-have) to focus the development effort on core functionalities for the initial version.

Feature	Priority	Reason
User authentication	Must- have	Core security and personalized data management.
Add/Edit/Delete	Must-	Essential for tracking spending
Expenses	have	(frontend/src/pages/Expenses.js).
Add/Edit/Delete	Must-	Essential for tracking earnings
Income	have	(frontend/src/pages/Income.js).
Expense	Must-	Organizes spending for analysis
Categorization	have	(backend/models/Expense.js).
Income Source	Must-	Organizes income for analysis (backend/models/Income.js).
Tracking	have	
Budget Setup &	Must-	Core feature for financial planning
Tracking	have	(frontend/src/pages/Budgets.js).
Dashboard Financial	Must-	Provides an immediate overview of financial health
Summary	have	(frontend/src/pages/Dashboard.js).
Visual Reports (Charts)	Must-	Enhances understanding of financial trends
	have	(frontend/src/pages/Dashboard.js).
Recent Transactions	Should-	Quick view of latest activity on the dashboard.
View	have	
Profile Management	Should-	Allows users to manage account settings
	have	(frontend/src/pages/Profile.js).
,	Should-	Ensures usability on various screen sizes
	have	(frontend/src/App.css).
Budget Alerts	Could-	Future enhancement to notify users about budget limits.
	have	
Export Data (CSV/PDF)	Could-	Adds flexibility for offline analysis or reporting.
	have	
Advanced Reporting	Could-	More granular control over report generation.
Filters	have	
•	Could-	User interface customization preference.
	have	
AI Financial	Won't-	Complex feature requiring significant data; potential future
Suggestions	have	addition.
Bank Account	Won't-	High complexity and security implications; planned for
Integration	have	future updates.
Multi-Account Support	Won't-	Focus on personal finance first; business/shared features
	have	later.

Outcome of Prioritization

By prioritizing the "Must-have" and essential "Should-have" features, we focused on delivering a robust core application that allows users to effectively track income, expenses, and budgets, supported by clear visual summaries and reports. Features categorized as "Could-have" or "Won't-have" for the initial release are documented for potential inclusion in future development cycles based on user feedback and project evolution.