Ideation Phase

Brainstorming

Date	28 June 2025
Team ID	LTVIP2025TMID60720
Project Name	Calculating Family Expenses using Service now
Maximum Marks	4 Marks

Brainstorming: Calculating Family Expenses Using ServiceNow

The brainstorming phase focused on generating and evaluating ideas to design an efficient and user-friendly expense management solution within the ServiceNow platform. The objective was to determine the key features, technical feasibility, user needs, and automation opportunities that could transform household expense tracking into a centralized and intelligent system.

Key Problem Areas Identified

- Lack of a unified platform for all family members to input and view expenses.
- Difficulty in tracking spending patterns and identifying budget leaks.
- Manual effort and inconsistency in entering and maintaining expense records.
- Limited access control in most personal finance apps.

Y Ideas Generated

1. Expense Entry Form

- Easy-to-use form to capture date, category, amount, and description.
- Support for file uploads (receipts).

2. Expense Categories

o Predefined (e.g., groceries, rent, bills) with ability to add custom categories.

3. Automated Workflows

- Notification if monthly budget limit is crossed.
- Automatic categorization of frequent or recurring expenses.

4. Dashboards & Reports

- Pie charts, bar graphs, and monthly summaries for visual analysis.
- Spending trend comparison over months.

5. User Roles & Permissions

- Parents/guardians: full access.
- Children/others: limited or view-only access.

6. Mobile Compatibility

Responsive layout for accessing from tablets/phones.

7. Integration Possibilities

o Optional: Connect with bank statement imports or APIs (in advanced versions).

8. Gamification (Optional/Future Enhancement)

o Budget goals and savings challenges to motivate disciplined spending.

☆ Technical Ideas within ServiceNow

- Use **App Engine Studio** to build a scoped application.
- Leverage **Flow Designer** for automation (alerts, reminders).
- Utilize ServiceNow Tables for structured data handling.
- Employ ServiceNow Reports/Dashboards for real-time insights.
- Optional: Use **Script Includes** or **UI Policies** for dynamic behavior.