

## iOS 2 Project Proposal

**App Name:** BudgetBuddy

### App Idea:

Managing personal finances can be challenging, especially for individuals who struggle to track their income, expenses, and savings. Many existing solutions are either too complex for everyday users or lack essential budgeting features. "BudgetBuddy" is an intuitive iOS application designed to simplify personal finance management by allowing users to track income, set budgets, manage expenses, and achieve financial goals.

With BudgetBuddy, users can:

- **Monitor Finances:** Easily track income and expenses with real-time updates.
- **Plan Budgets:** Set spending limits for different categories (e.g., groceries, entertainment, bills) and receive alerts if they are exceeded.
- **View Analytics:** Visualize spending habits with charts and graphs.
- **Sync Data Securely:** All user data is securely stored in Firebase Firestore, allowing seamless access from multiple devices.

The target audience includes students, young professionals, and anyone looking for an easy-to-use budgeting tool. BudgetBuddy differentiates itself from existing apps by offering a balance of simplicity and functionality, ensuring users can manage their finances effectively without overwhelming complexity.

### Team Members:

Alena Belova

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### Tech Stack:

- **Frontend:** SwiftUI
- **Backend:** Firebase
- **Database:** Firestore
- **Authentication:** Firebase Auth
- **Hosting & Deployment:** Firebase Hosting
- **Version Control:** GitHub
- **Other Tools:** Figma (UI/UX design), Postman (API testing), Charts (data visualization)

**Timelines:**

- **Week 1-2:** Research, finalize tech stack, and create UI wireframes.
- **Week 3-4:** Set up project structure and implement authentication using Firebase.
- **Week 5-6:** Develop core features (income/expense tracking, budget planning).
- **Week 7-8:** Implement financial goal tracking, analytics, and APIs.
- **Week 9-10:** Complete frontend design, integrate UI components, and test app functionality.
- **Week 11:** Debug, optimize performance, and prepare for final submission.

**Version Control:**

GitHub Repository: <https://github.com/MigoCP/BudgetBuddy>