**SplitDine Project Brief**

**Executive Summary for Project Sponsors**

**Project Overview**

SplitDine is a mobile application designed to simplify group dining bill management. The platform addresses the common social challenge of fairly splitting restaurant bills by providing a digital solution that streamlines expense tracking and payment.

**Value Proposition**

* Eliminates manual bill calculation
* Reduces social friction during group meals
* Provides a flexible, user-friendly billing solution
* Creates opportunities for future monetization

**Business Potential**

* Initial free-to-use model
* Future revenue streams through:
  + Premium features
  + Payment processing fees
  + Restaurant partnerships
  + Potential enterprise licensing

**Technical Specification for Developers**

**Core Technical Architecture**

* Database: PostgreSQL
* Backend Framework: Express.js
* Primary Focus: Flexible, scalable bill-sharing platform

**Key Technical Components**

* User authentication and role management
* Event-based billing system
* Flexible menu and item selection
* Comprehensive access control
* Bill locking and finalization mechanisms

**Technical Challenges**

* Real-time collaborative editing
* Secure payment integrations
* Accurate menu data management
* Performance optimization for concurrent users

**Project Management Overview**

**Project Phases**

1. Minimum Viable Product (MVP) Development
2. Initial User Testing
3. Feature Expansion
4. Payment Platform Integration
5. Enterprise and Restaurant Partnerships

**Key Milestones**

* Prototype Development: 3 months
* Initial User Testing: 1 month
* MVP Launch: 4-6 months
* First Major Feature Update: 6-9 months

**Risk Mitigation**

* Modular development approach
* Phased feature rollout
* Continuous user feedback integration
* Scalable technical infrastructure

**Success Metrics**

* User Acquisition Rate
* Average Event Participation
* User Retention
* Transaction Volume
* Customer Satisfaction Scores

**Long-Term Vision**

Transform group dining experiences through intuitive, technology-driven expense management, creating a platform that simplifies social interactions around shared meals.