

UNIDORM FINANCE & LIFESTYLE MANAGEMENT SUITE

SUPERVISED BY

Tanvir Anjom Siddique
Awaleen Nawar Suha

SUBMITTED BY

Rakat Bin Ashraf
Mohammad Fardin Ahmed
Mubtasim Fuad Rafi
Ahsanul Haque Zim

INTRODUCTION

UniDorm is a comprehensive digital platform for managing student accommodation finances and lifestyle. It replaces manual fee tracking and hall management with an integrated system offering real-time financial visibility, automated billing, and lifestyle engagement features. The platform enhances both operational efficiency and student experience through accurate, transparent, and accessible dormitory services.

ANALYSIS

The system streamlines dormitory operations by integrating financial management (fee collection, expense tracking, budgeting) with lifestyle services (meal planning, events, community engagement, wellness). It reduces administrative overhead by 60-70%, accelerates fee processing from weeks to hours, and improves student satisfaction through transparent tracking and personalized services. The system achieves cost recovery within 18 months and becomes profit-generating after serving 200+ students.

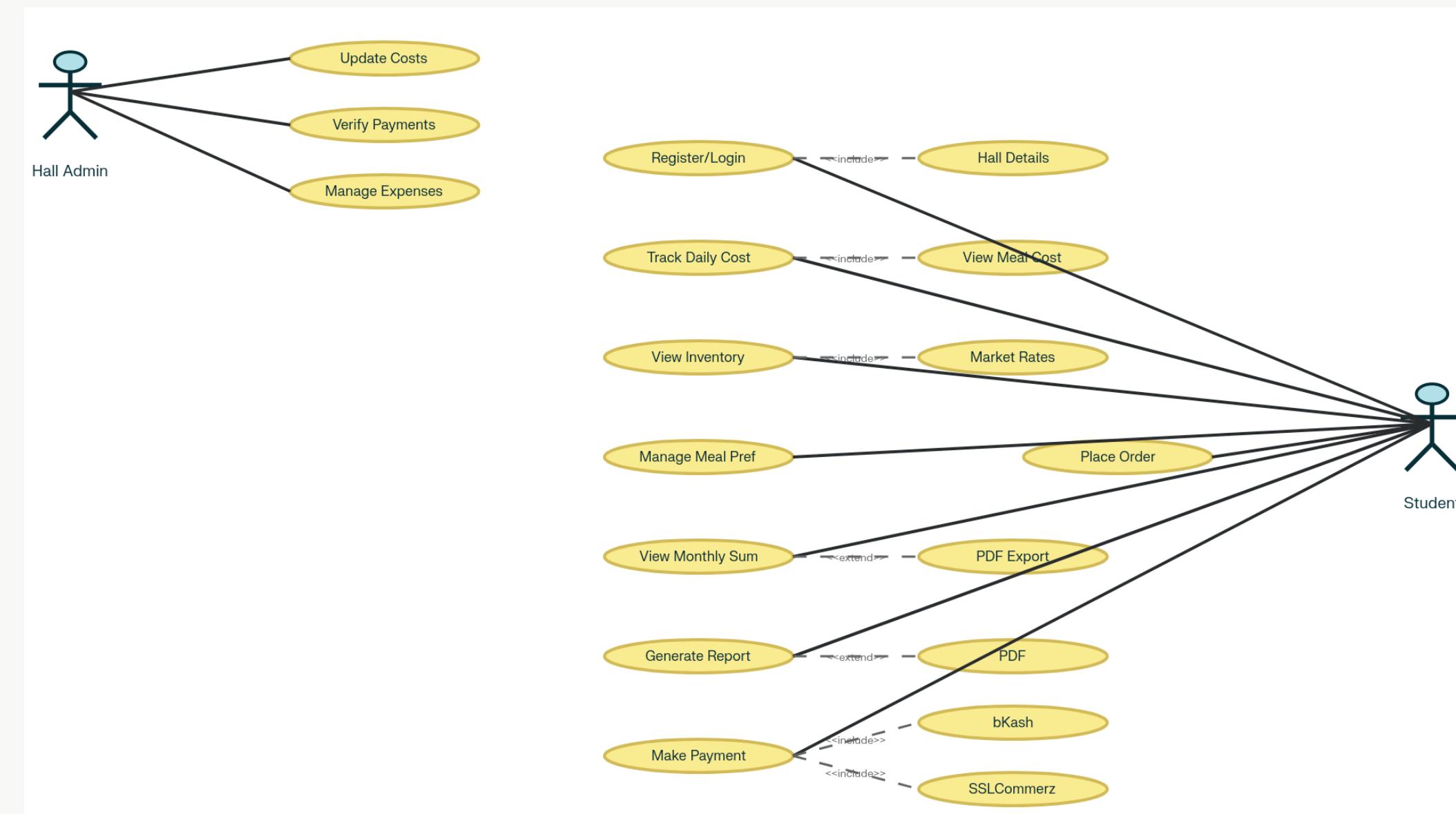
OBJECTIVES

- Maintain accurate student financial records and fee tracking
- Automate fee collection, payment reminders, and expense management
- Provide real-time expense dashboards and financial analytics for students
- Integrate lifestyle features (meal plans, event bookings, wellness activities)
- Support multi-role access
- Enable transparent communication on finances and dorm life updates

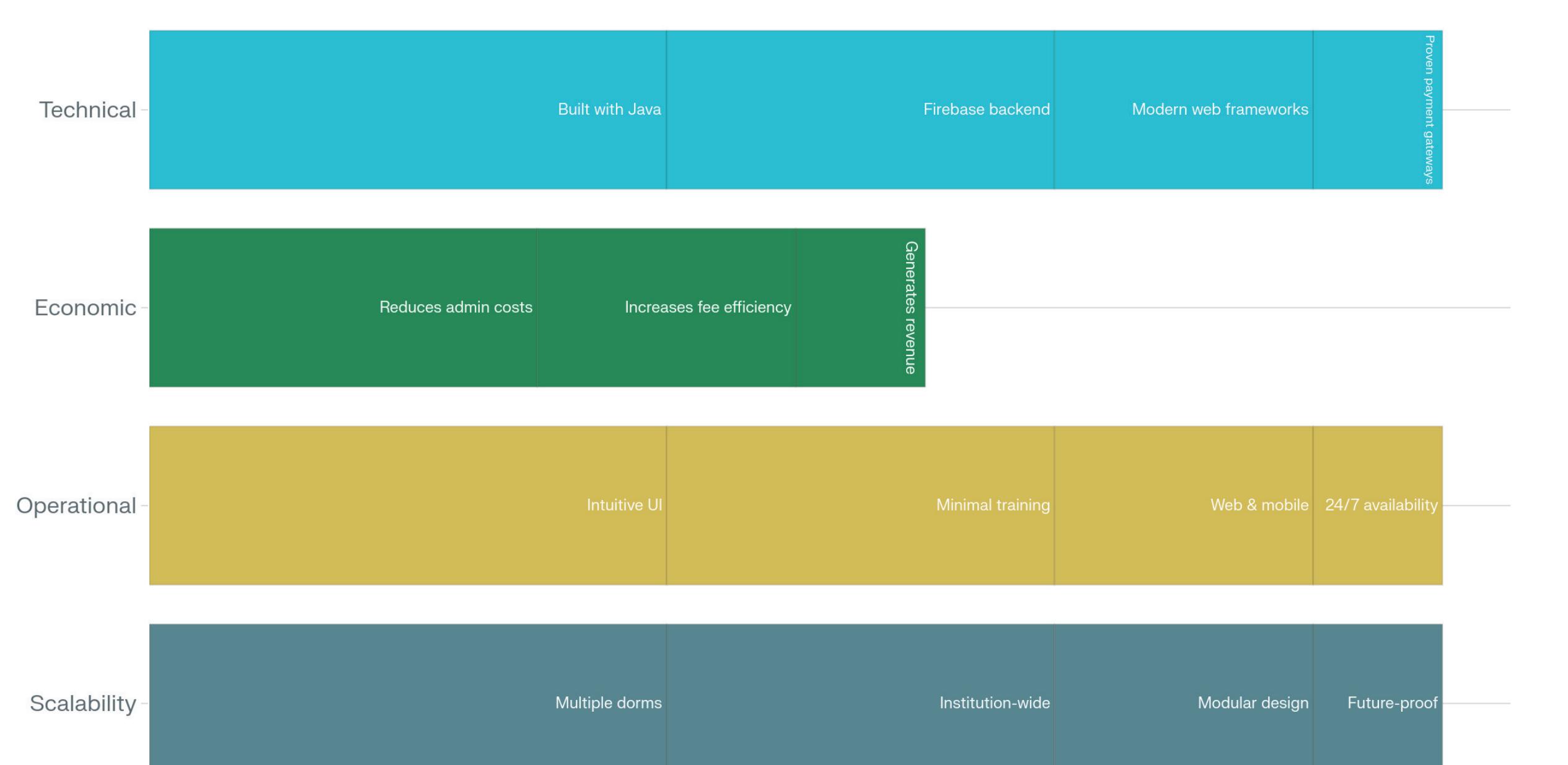
METHODOLOGY

- Analyze dormitory workflows and design relational database schema using ER models
- Implement using Java/TypeScript, Firebase/MySQL, with responsive web and mobile interfaces
- Integrate payment gateways (bKash, Nagad, card payments) and notification systems
- Test with sample data across all financial and lifestyle modules
- Optimize performance and deploy with user training protocols

USE CASE DIAGRAM



FEASIBILITY



ADVANTAGES

- Automated fee collection and payment tracking with real-time notifications
- Transparent financial dashboards for students and administrators
- Integrated lifestyle services (meals, events, wellness, community)
- Reduced manual paperwork and administrative burden
- Improved student satisfaction and engagement
- Data-driven insights for dorm management decisions
- Mobile accessibility for on-the-go management

LIMITATIONS

- Requires stable internet connectivity for optimal functionality
- Initial setup and payment gateway integration costs
- Student adaptation period for digital payment habits
- Dependent on consistent data backup and security protocols
- Advanced features require continuous system maintenance
- Integration complexity with existing institutional systems