

# UNIDORM FINANCE & LIFESTYLE MANAGEMENT SUITE

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## 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.

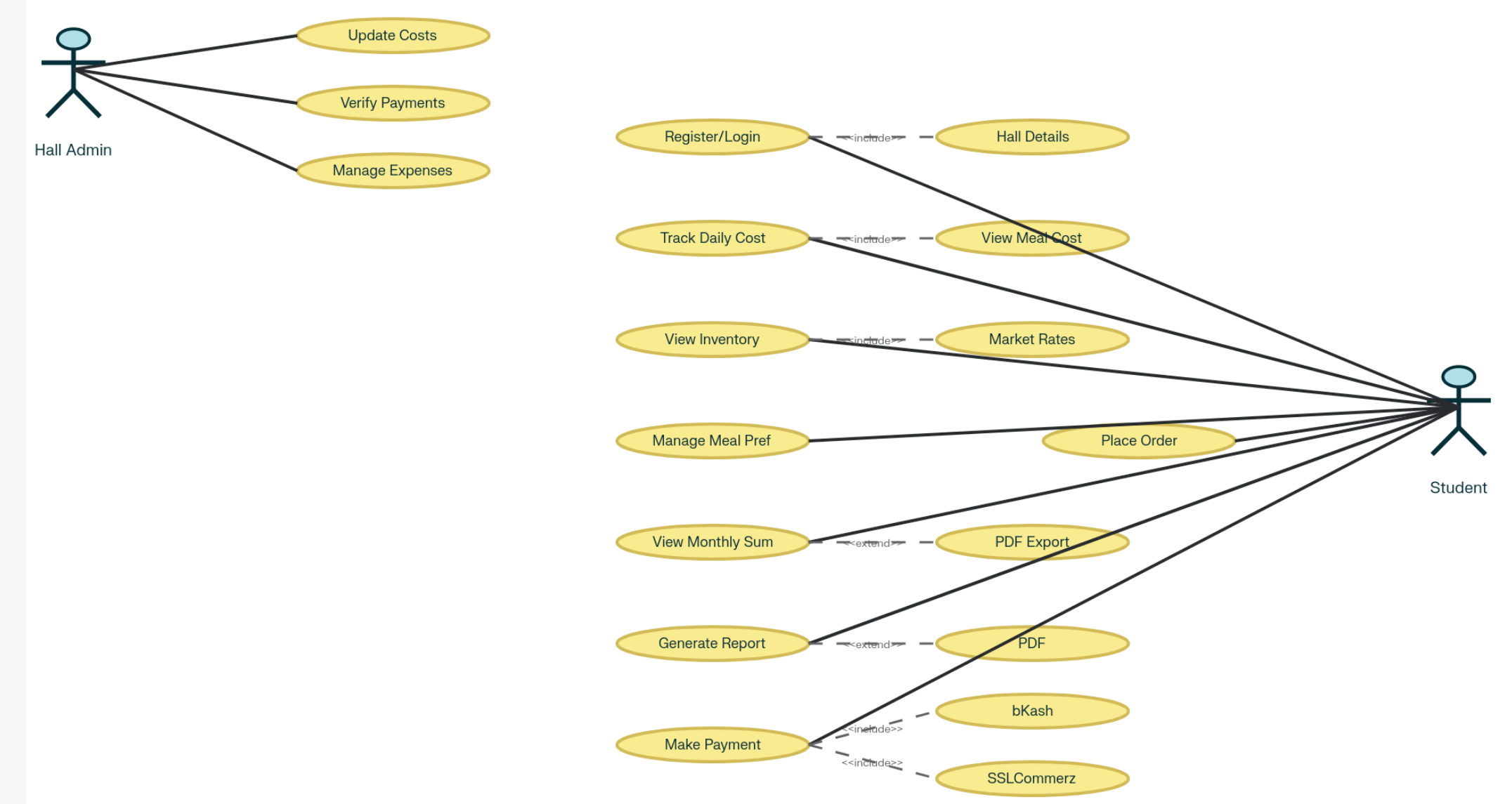
## OBJECTIVES

- 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