K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
(AUTONOMOUS), TRICHY.

VIRTUAL WALLET & EXPENSE MANAGER

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PRESENTATION OVERVIEW

- Introduction
- Existing System
- Proposed System
- Modules of the Projects
- UML Diagram (Usecase Diagram, Class Diagram, Activity Diagram, Sequence Diagram, State Machine Diagram, Deployment Diagram, Component Diagram, Package Diagram)
- Screenshots
- Conclusion

INTRODUCTION

- A Digital Wallet System enables users to store, manage, and transfer money electronically with high convenience.
- It supports quick payments, fund transfers, balance checking, and transaction tracking.
- OOAD principles are used to design modular features such as login, wallet management, payments, and security.
- The system ensures secure and fast transactions using encryption and structured workflows.
- It reduces dependency on cash and simplifies daily financial operations.

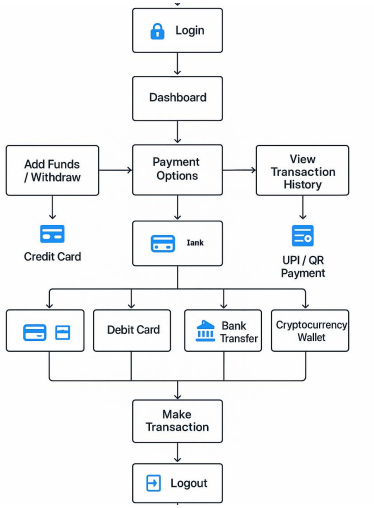
EXISTING SYSTEM

- Traditional cash payments involve risks like loss, theft, and manual handling issues.
- Bank-based digital platforms are often slow and require multiple steps for simple transactions.
- Users face difficulty managing different payment needs due to lack of a single integrated platform.
- Older systems offer limited automation and weak security features.
- Expense tracking and balance management are mostly manual, causing inconvenience.

PROPOSED SYSTEM

- Provides a unified platform for storing funds, making payments, and managing transactions.
- Uses strong authentication, encryption, and secure session management for safe payments.
- Offers an intuitive dashboard for balance, recent transactions, and quick actions.
- Supports fast payments, fund transfers, card integration, QR scan, and notifications.
- Designed using OOAD for modularity, scalability, and easy maintenance.

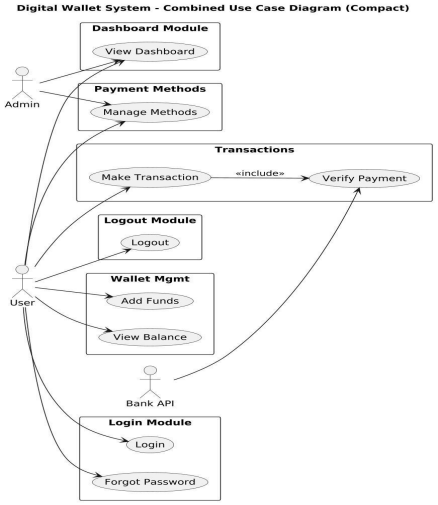
PROPOSED SYSTEM



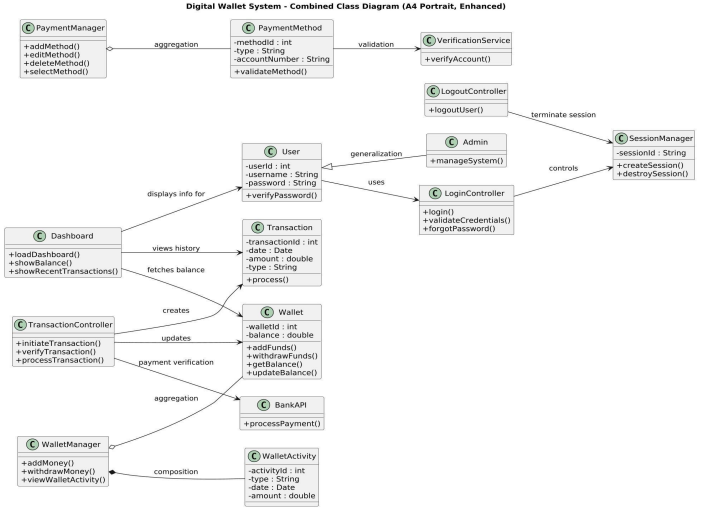
MODULES OF THE PROJECTS

- Login Module
- Dashboard Module
- Wallet Management Module
- Transaction Module
- Payment Method Module
- Logout Module

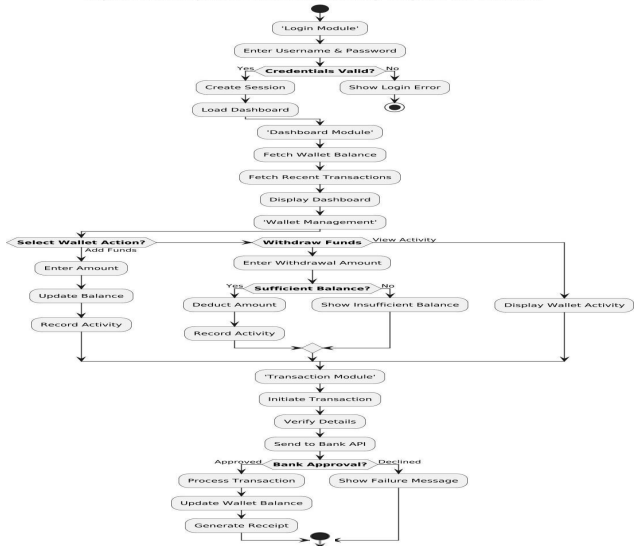
USE CASE DIAGRAM



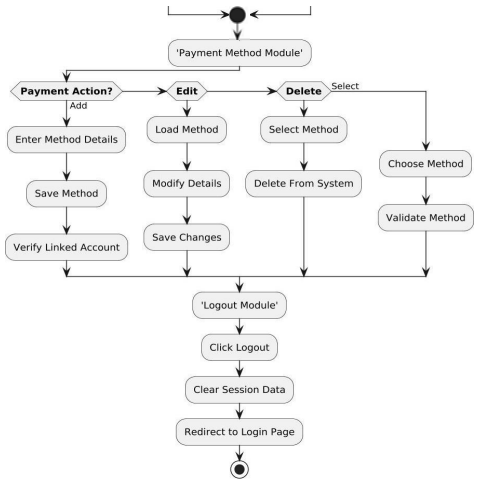
CLASS DIAGRAM



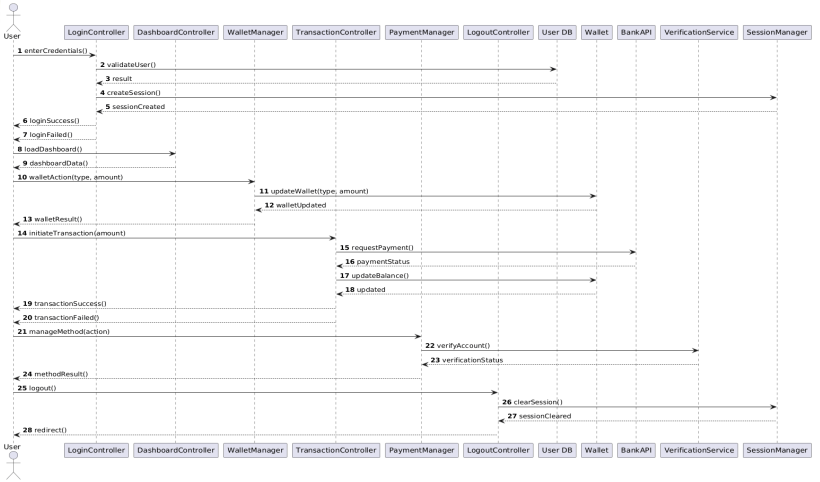
ACTIVITY DIAGRAM



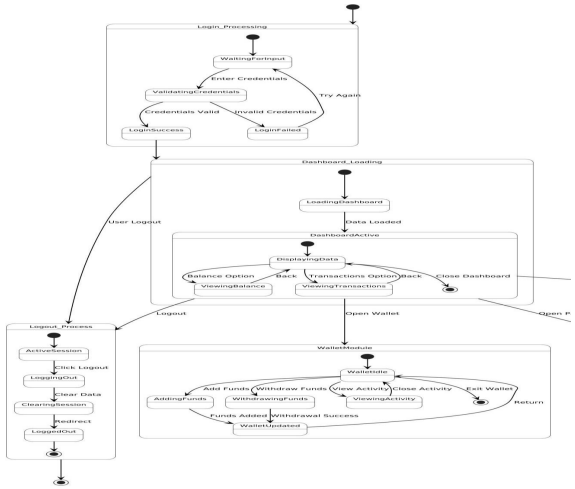
ACTIVITY DIAGRAM



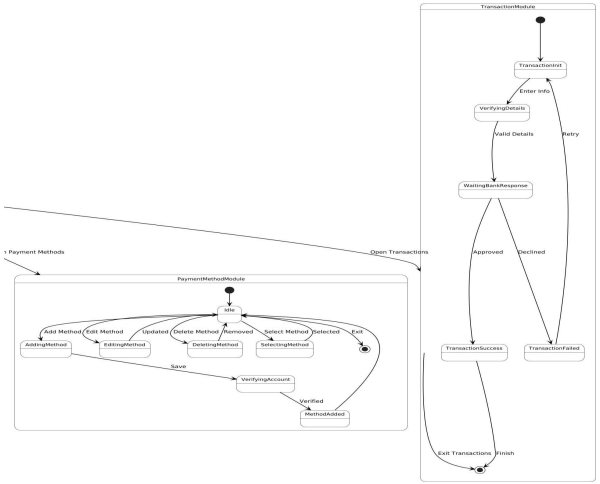
SEQUENCE DIAGRAM



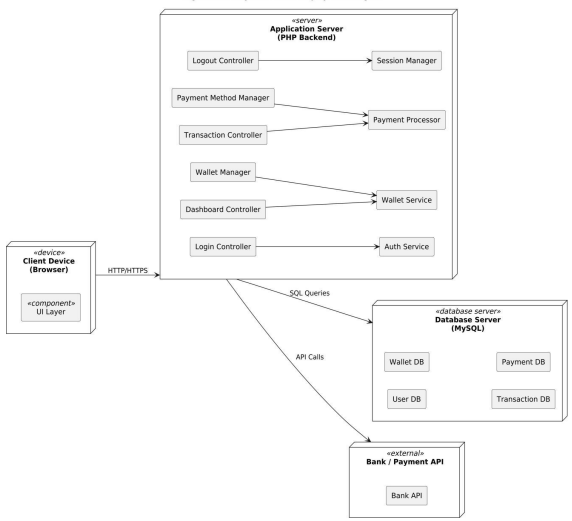
STATE MACHINE DIAGRAM



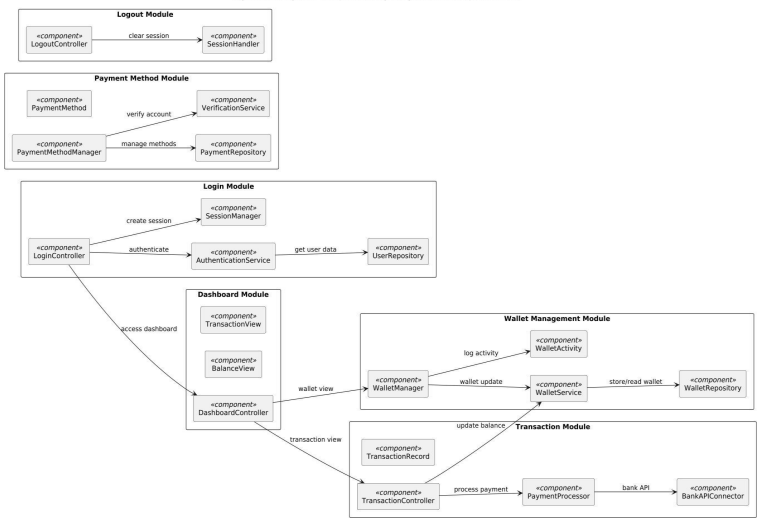
STATE MACHINE DIAGRAM



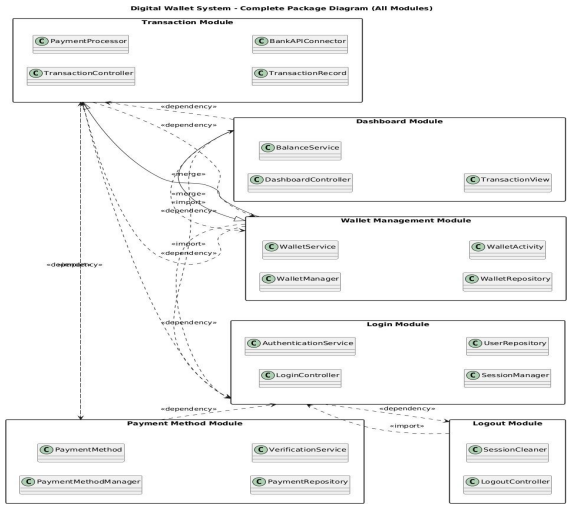
DEPLOYMENT DIAGRAM



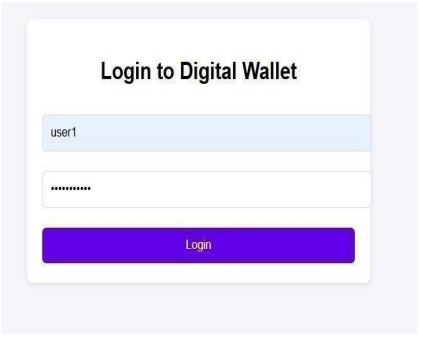
COMPONENT DIAGRAM

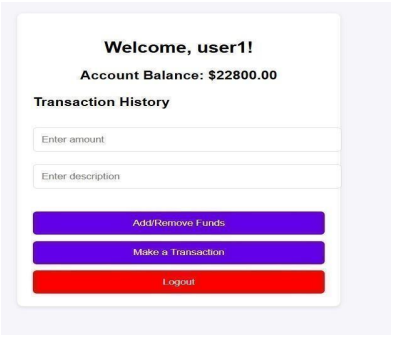


PACKAGE DIAGRAM



SCREENSHOT





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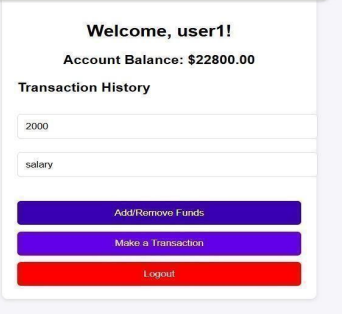

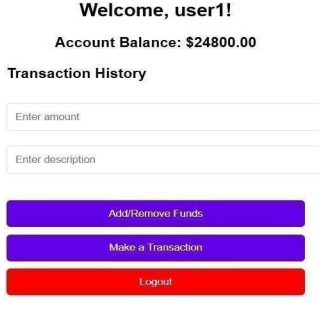

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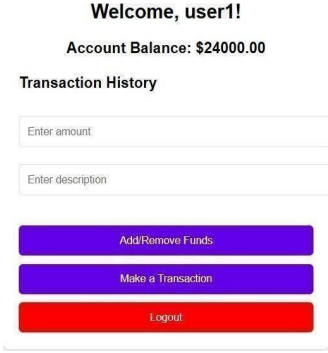

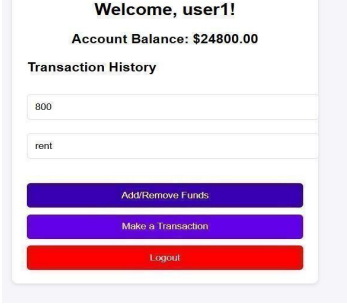

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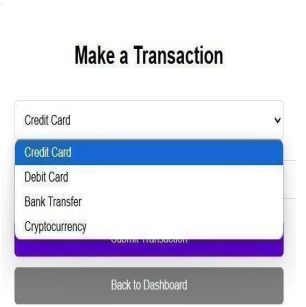

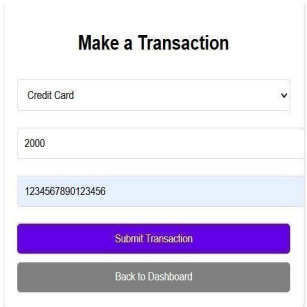

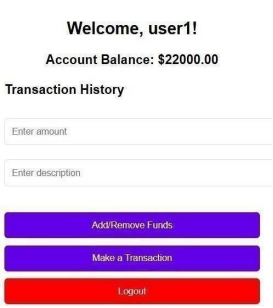

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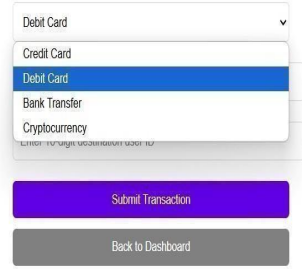

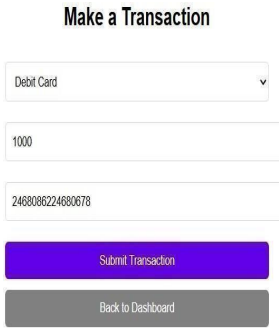

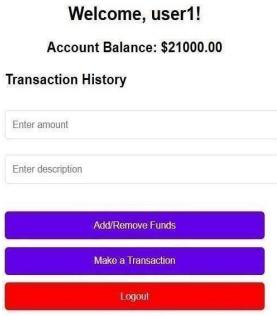

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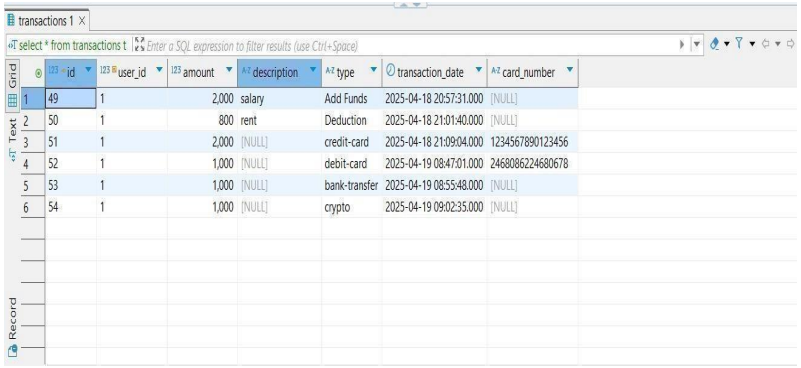
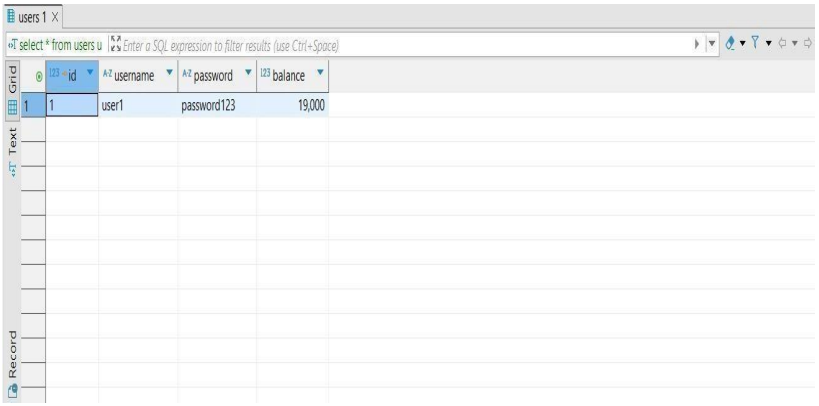


	id	user_id	amount	description	type	transaction_date	card_number
1	49	1	2,000	salary	Add Funds	2025-04-18 20:57:31.000	[NULL]
2	50	1	800	rent	Deduction	2025-04-18 21:01:40.000	[NULL]
3	51	1	2,000	[NULL]	credit-card	2025-04-18 21:09:04.000	1234567890123456
4	52	1	1,000	[NULL]	debit-card	2025-04-19 08:47:01.000	2468086224680678
5	53	1	1,000	[NULL]	bank-transfer	2025-04-19 08:55:48.000	[NULL]
6	54	1	1,000	[NULL]	crypto	2025-04-19 09:02:35.000	[NULL]

SCREENSHOT



	id	username	password	balance
1	1	user1	password123	19,000

CONCLUSION

The UML diagrams used in this project helped clearly model the structure and flow of the Digital Wallet System. Each module—Login, Dashboard, Wallet Management, Transactions, Payment Methods, and Logout—was visually defined, making the system easier to understand, design, and implement. The diagrams ensured proper interaction between components and supported the development of a secure, efficient, and user-friendly digital wallet application.

THANK YOU !!!!