

TASK 10

PROTOTYPE OF THE PROJECT

Aim

To design and develop an Online Banking System that allows customers to securely perform banking activities such as balance inquiry, fund transfer, bill payment, and transaction history viewing through a user-friendly web interface.

Component Diagram:

The component diagram represents the high-level structure showing different components and their interactions.

Main Components:

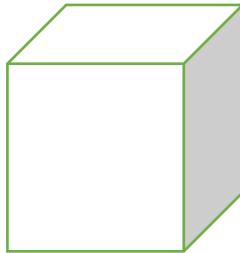
- User Interface (Web Portal)
- Application Server
- Database Server
- Authentication Service
- Transaction Service

Notation:

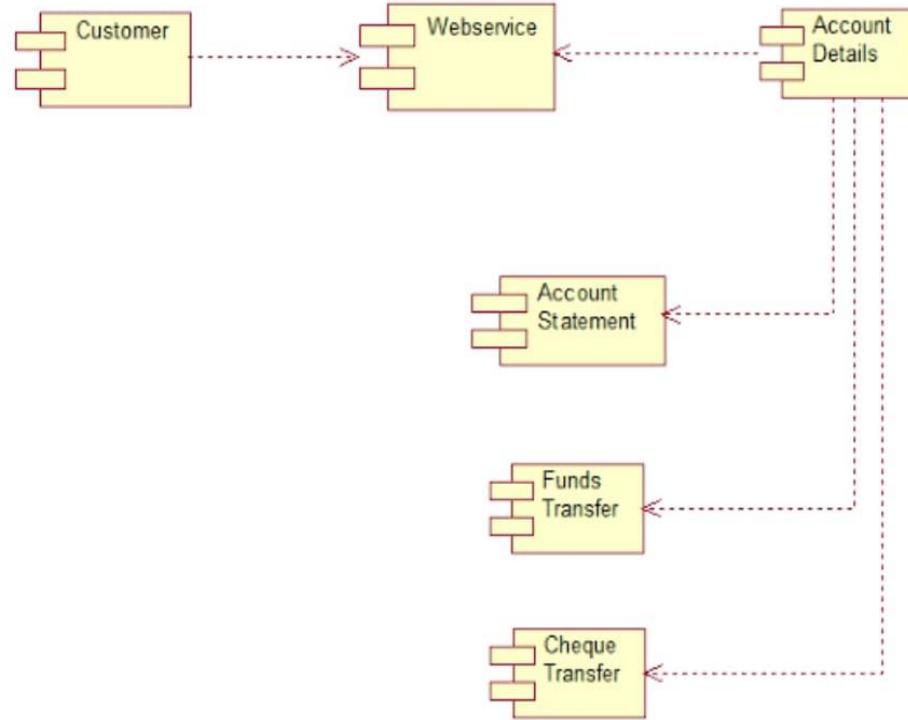
1. A Component



2. Node



- Notification



Package Diagram:

Represents the organization of system components into packages.

Packages:

- com.bank.user → Login, Registration, Profile
- com.bank.admin → User Management, Reports
- com.bank.transaction → Fund Transfer, History
- com.bank.database → Data Models, DAO
- com.bank.security → Encryption, Validation

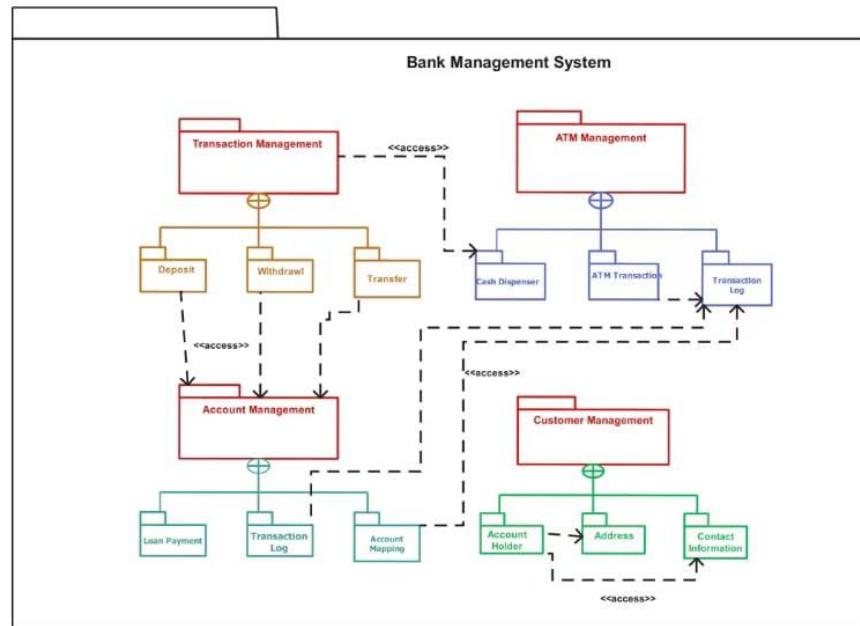
Notation:

1. Package



2. Dependency

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Development Diagrams:

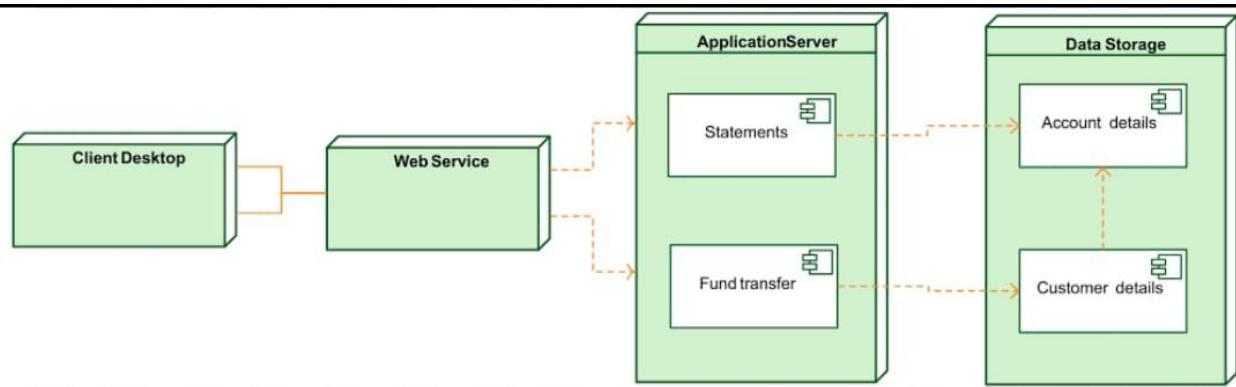
Use Case Diagram

Actors:

- Customer
- Admin

Use Cases:

- Login / Logout
- View Balance
- Transfer Funds
- View Transactions
- Manage Users (Admin)
- Generate Reports (Admin)



Result:

The system meets the objectives of providing a secure, reliable, and user-friendly banking experience online.

