SOFTWARE ARCHITECTURE DIAGRAMS

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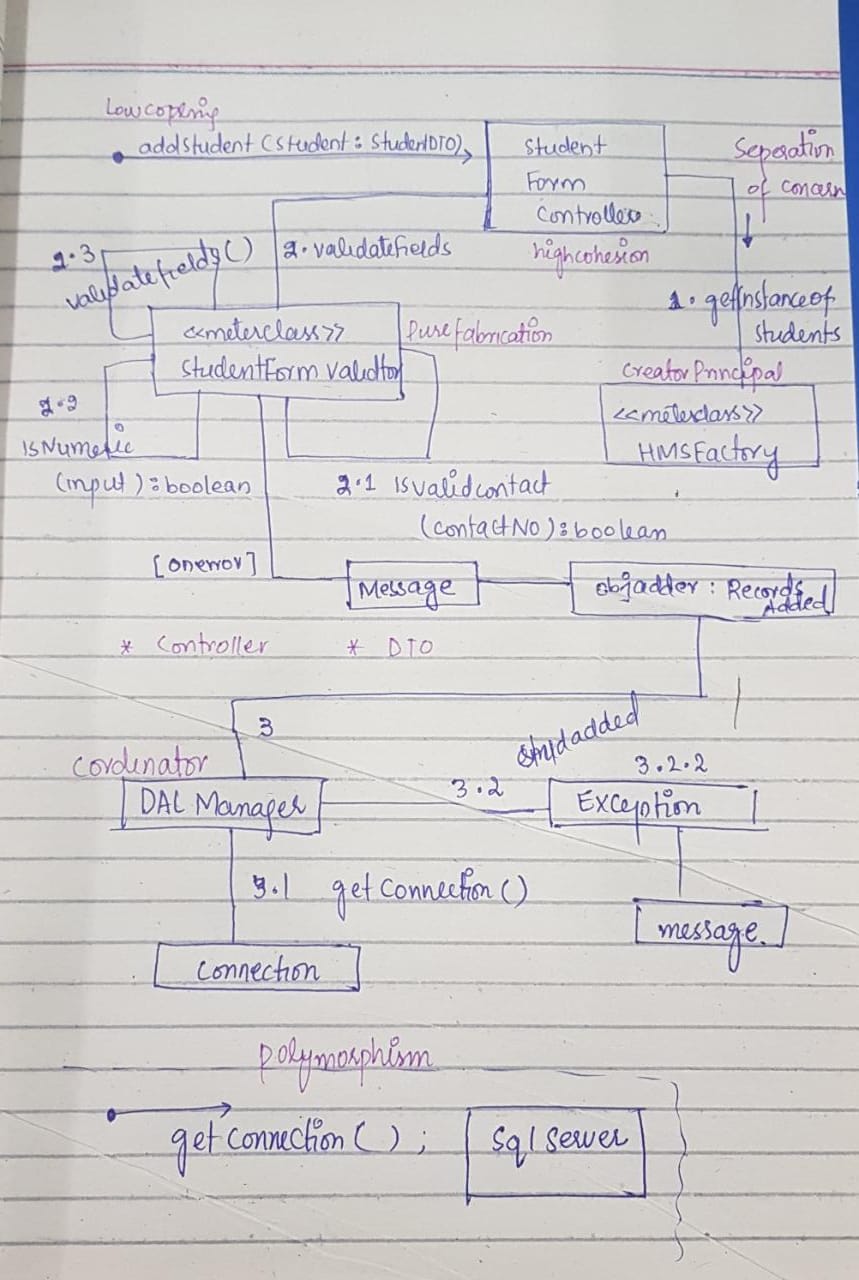
[Component diagram 20](#_Toc168513513)

# Package diagram.

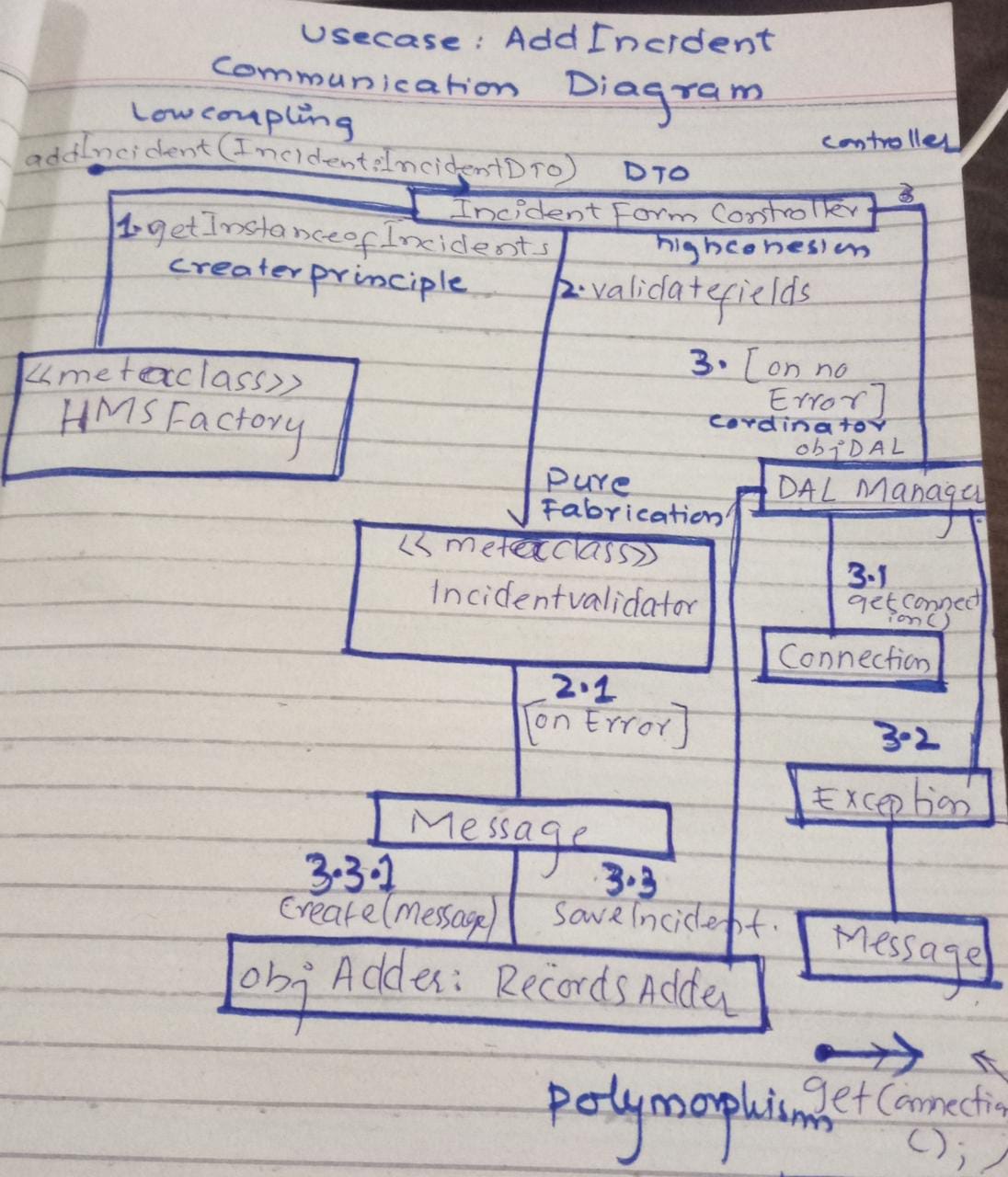
A diagram of a computer program

Description automatically generated with medium confidence

# Communication diagram

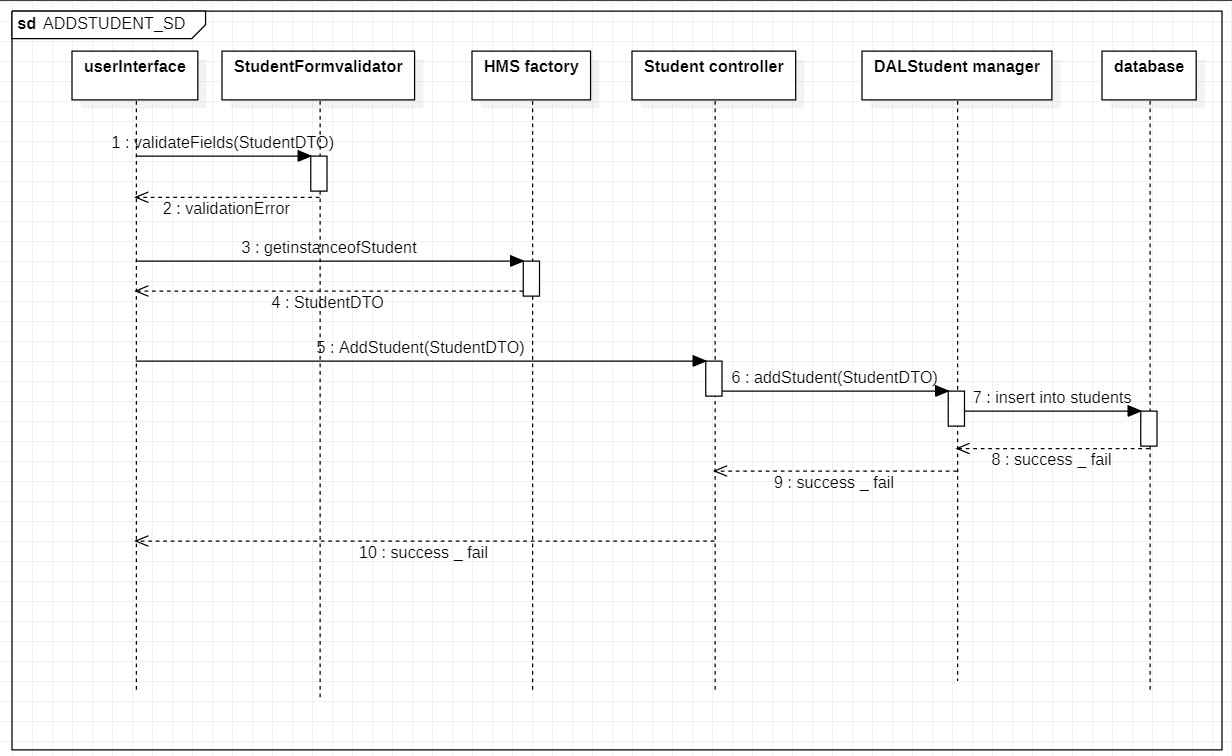
*Add student :*

Add Incident :

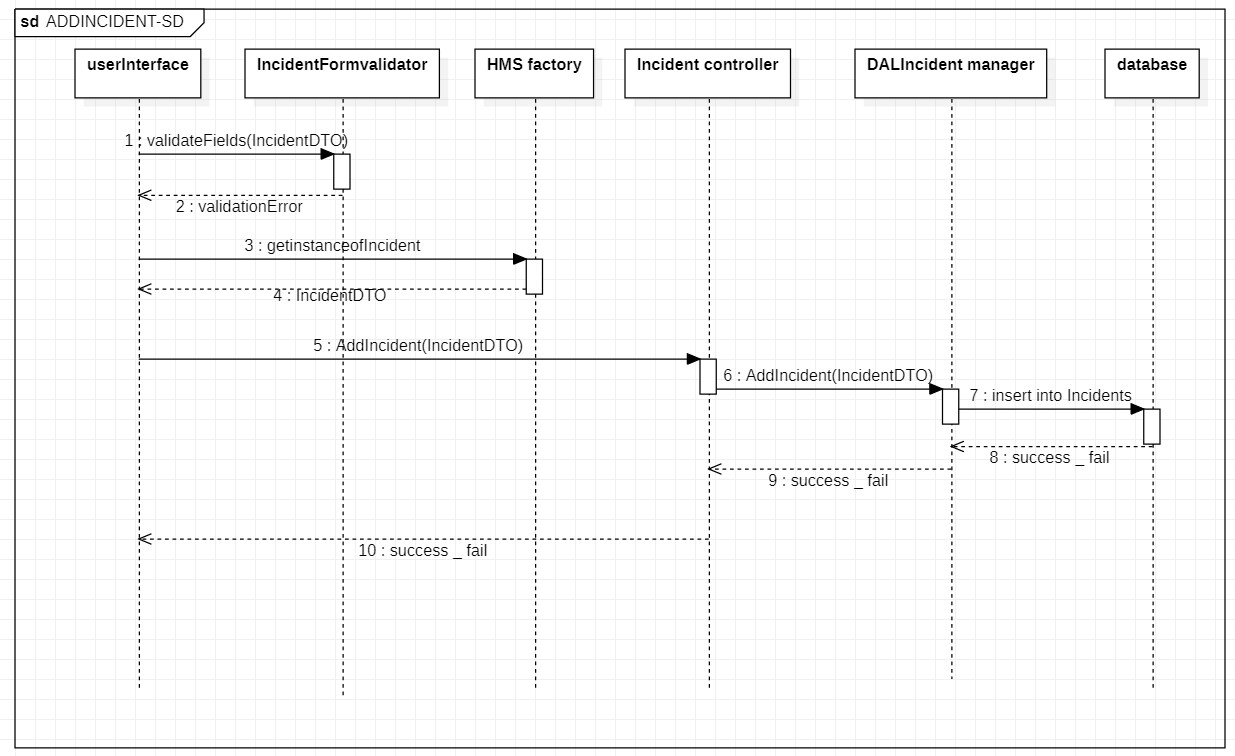


# Sequence diagram

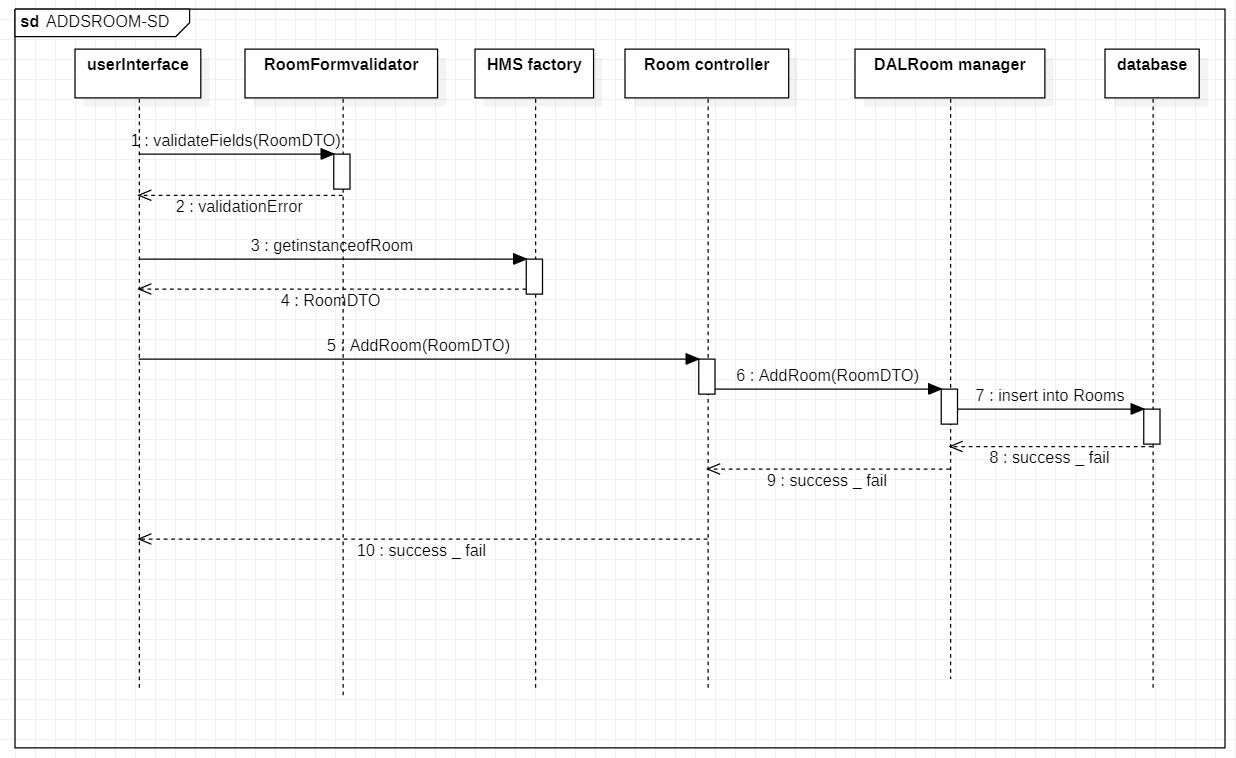
Add student:



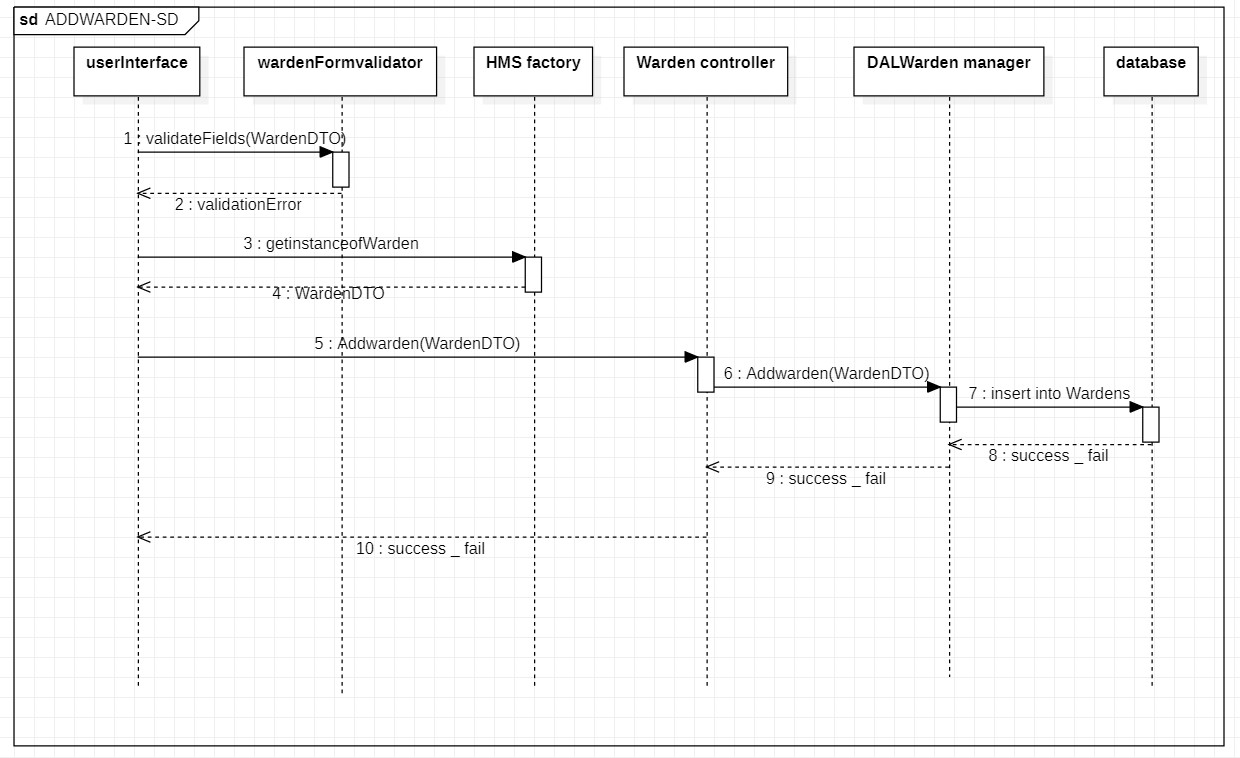
Add Incident :



Add Room :



Add Warden:



# Prototypes

A screenshot of a login screen

Description automatically generated

A screen shot of a computer

Description automatically generated

A screen shot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

# 

# Domain Model

A diagram of a computer program

Description automatically generated with medium confidence

# Use case diagram.

A diagram of a hotel management system

Description automatically generated

# DFD

## DFD level 0 & 1

A diagram of a software system

Description automatically generated

Figure 5 DFD Level 0 and 1

A diagram of a student

Description automatically generated

Figure 6 DFD Level 2

# Activity diagram

A diagram of a computer program

Description automatically generated

Figure 3 Activity diagram (for student)

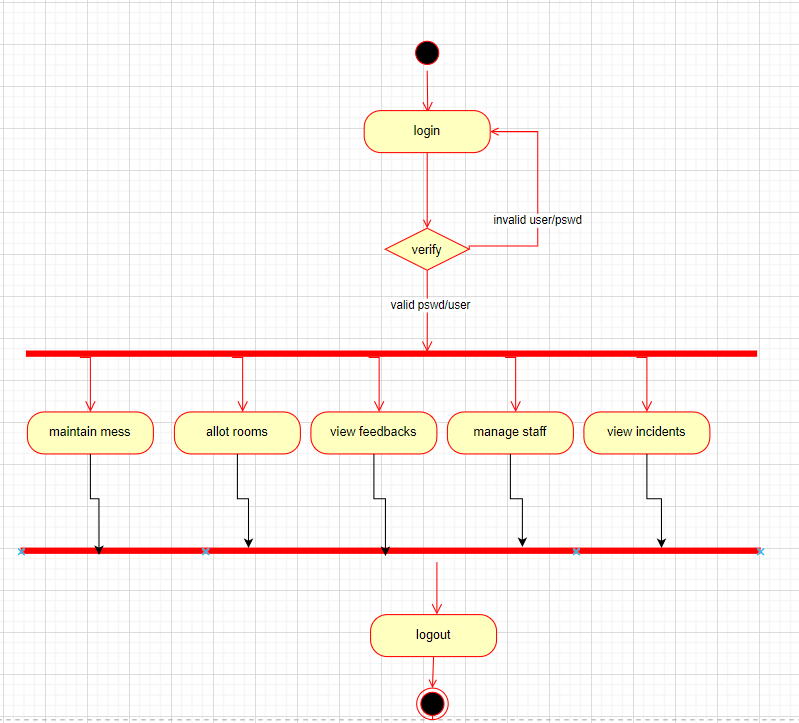
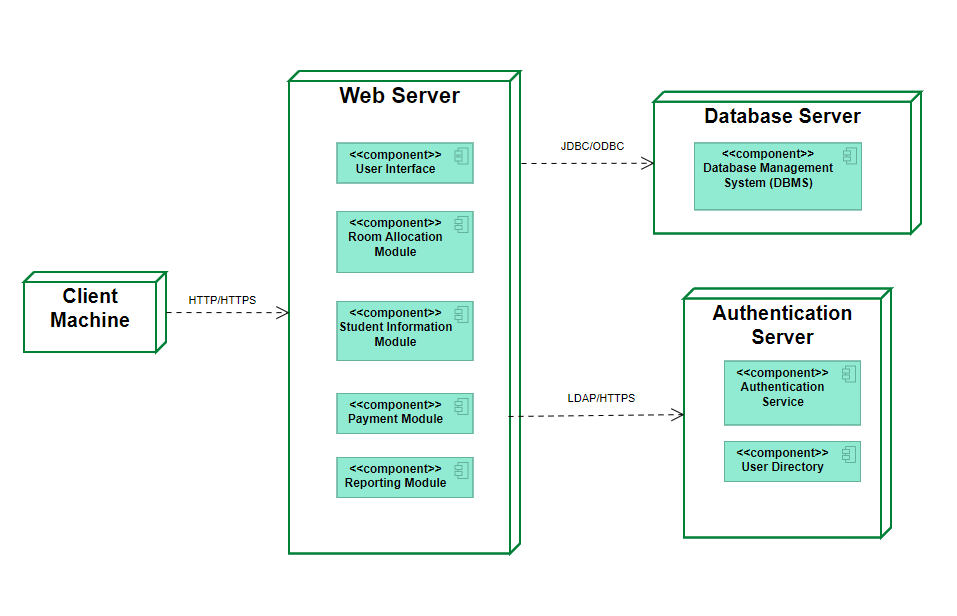


Figure 4 Activity diagram for admin

# Deployment diagram



**Detailed Description**

* **Client Machine**: User's device accessing the web application.
* **Web Server**: Hosts the application with multiple components.
* **Database Server**:
  + **Database Management System (DBMS)**: Software like MySQL/PostgreSQL.
  + **Data Storage**: Physical or cloud-based storage for data.
* **Authentication Server**:
  + **Authentication Service**: Manages authentication protocols.
  + **User Directory**: Stores user credentials and related data.

# Composite diagram

# Class Diagram

# Component diagram