

הנדסת תוכנה – מסמך הארכיטקטורה

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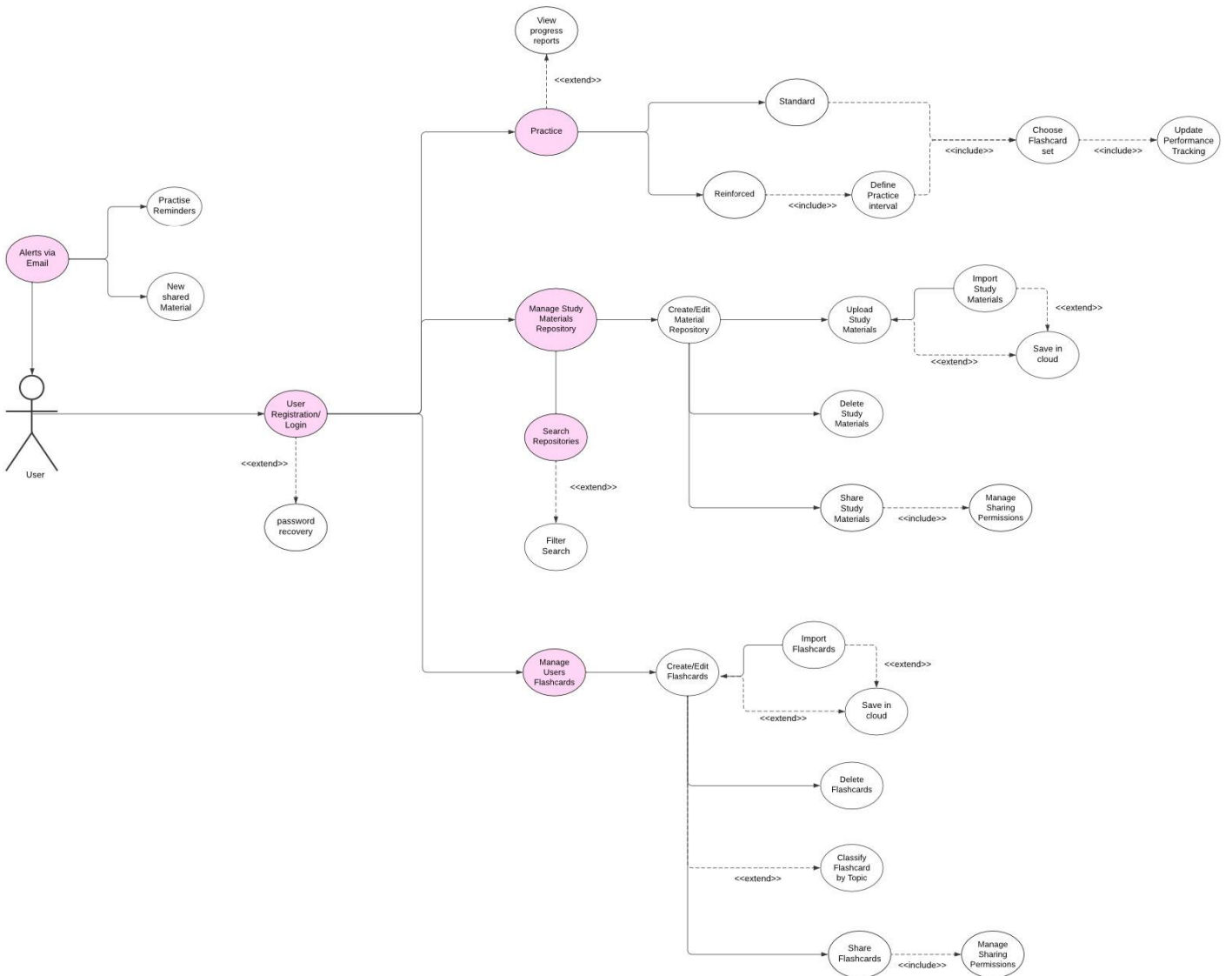
מרצה: ניסים ברמי

מתרגל: שי שילה



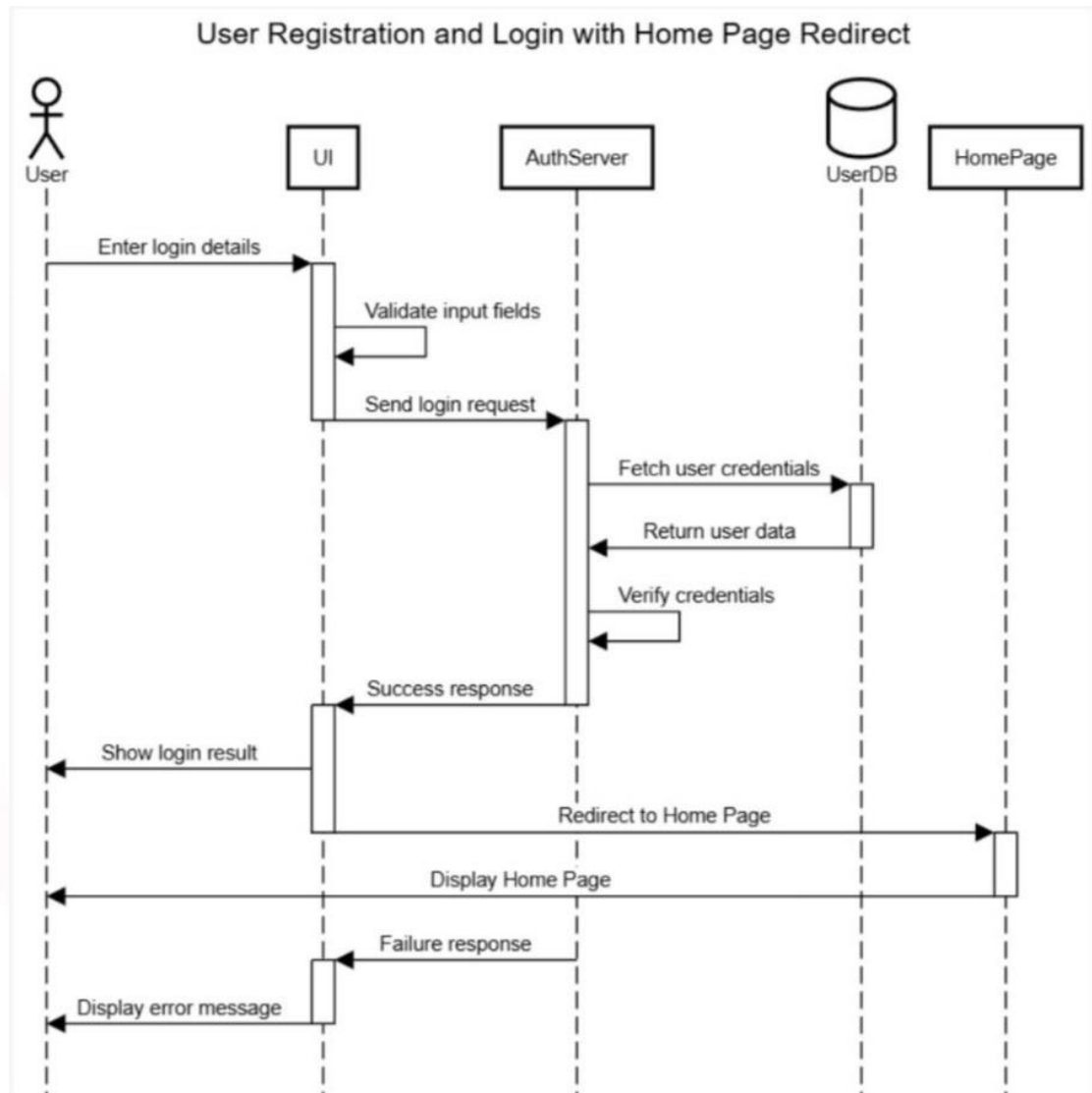


Use -Case Diagram





Sequence Diagrams



```
title User Registration and Login with Home Page Redirect
```

```
actor User
participant UI
participant AuthServer
database UserDB
participant HomePage
```

```
User ->> UI: Enter login details
activate UI
```

```
UI ->> UI: Validate input fields
UI ->> AuthServer: Send login request
deactivate UI
activate AuthServer
```

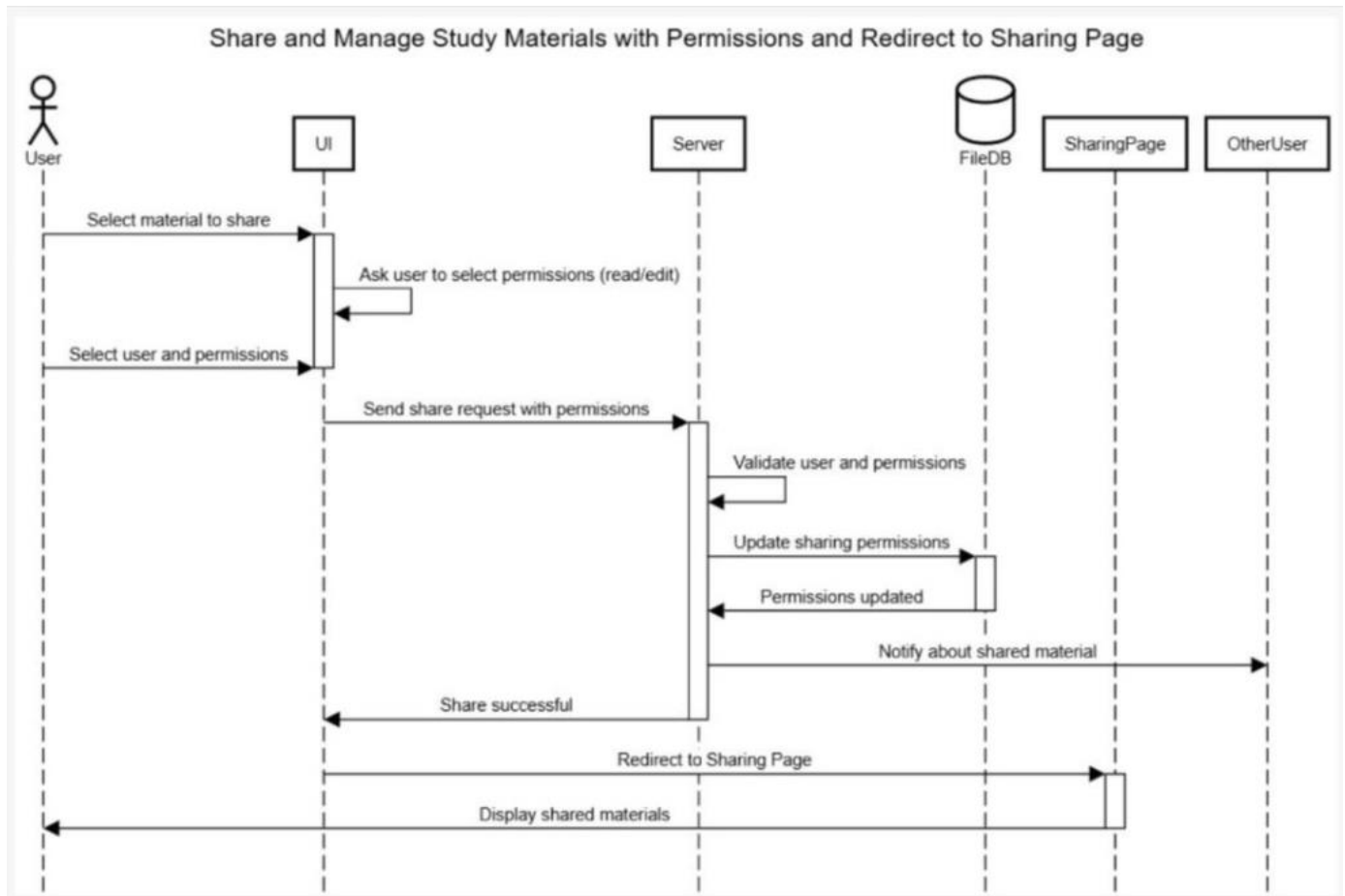
```
AuthServer ->> UserDB: Fetch user credentials
activate UserDB
UserDB ->> AuthServer: Return user data
deactivate UserDB
```

```
AuthServer ->> AuthServer: Verify credentials
AuthServer ->> UI: Success response
deactivate AuthServer
activate UI
UI ->> User: Show login result
UI ->> HomePage: Redirect to Home Page
deactivate UI
activate HomePage
```

```
HomePage ->> User: Display Home Page
deactivate HomePage
```

```
else Credentials invalid
AuthServer ->> UI: Failure response
deactivate AuthServer
activate UI
UI ->> User: Display error message
deactivate UI
```

```
end
```



title Share and Manage Study Materials with Permissions and Redirect to Sharing Page

actor User
 participant UI
 participant Server
 database FileDB
 participant SharingPage
 participant OtherUser

User -> UI: Select material to share
 activate UI

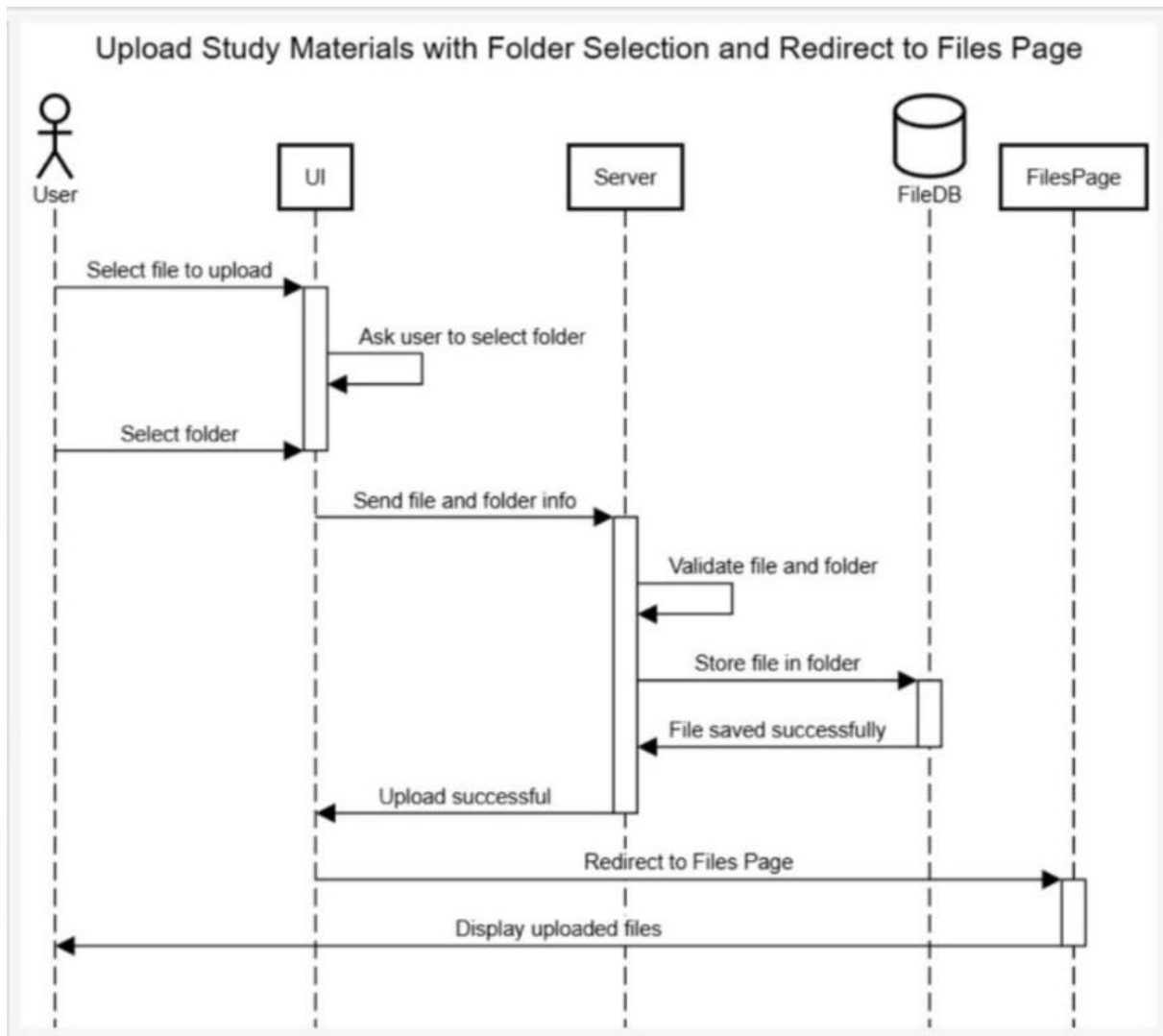
UI -> UI: Ask user to select permissions (read/edit)
 User -> UI: Select user and permissions
 deactivate UI

UI -> Server: Send share request with permissions
 activate Server

Server -> Server: Validate user and permissions
 Server -> FileDB: Update sharing permissions
 activate FileDB
 FileDB -> Server: Permissions updated
 deactivate FileDB

Server -> OtherUser: Notify about shared material
 Server -> UI: Share successful
 deactivate Server

UI -> SharingPage: Redirect to Sharing Page
 activate SharingPage
 SharingPage -> User: Display shared materials
 deactivate SharingPage



```

title Upload Study Materials with Folder Selection and
Redirect to Files Page

actor User
participant UI
participant Server
database FileDB
participant FilesPage

User -> UI: Select file to upload
activate UI

UI -> UI: Ask user to select folder
User -> UI: Select folder
deactivate UI

UI -> Server: Send file and folder info
activate Server

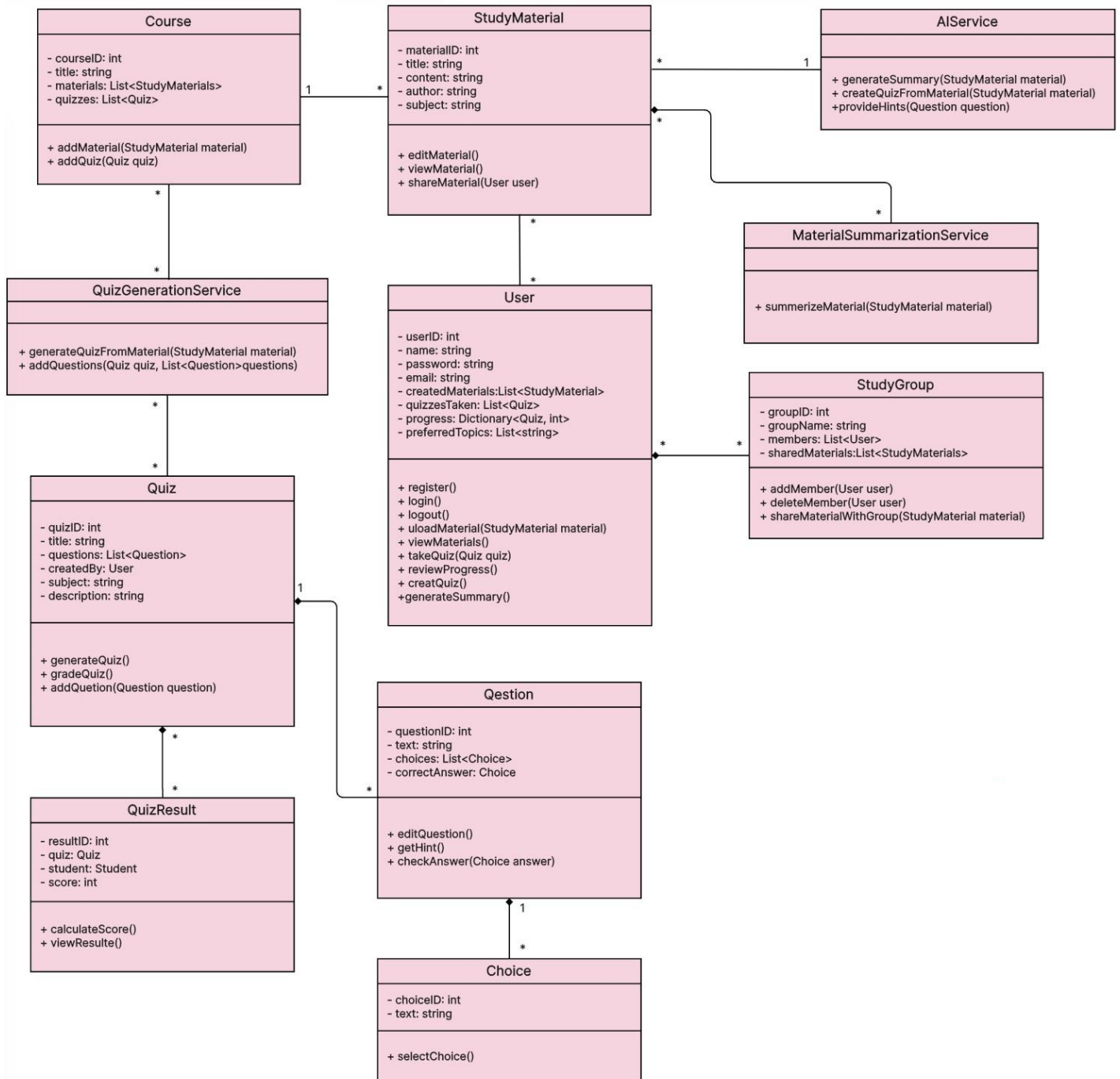
Server -> Server: Validate file and folder
Server -> FileDB: Store file in folder
activate FileDB
FileDB -> Server: File saved successfully
deactivate FileDB

Server -> UI: Upload successful
deactivate Server

UI -> FilesPage: Redirect to Files Page
activate FilesPage
FilesPage -> User: Display uploaded files
deactivate FilesPage
    
```



Class Diagram





MVC Architectural Diagram

