

**Online learn**

**Software Design Specification**

– Hanoi, August 2022 –

Record of changeS

|  |  |  |  |
| --- | --- | --- | --- |
| Date | A\* M, D | In charge | Change Description |
| 18/02 | Add | ThangPM | Add code packages,database design |
| 02/03 | Add | ThangPM | Add code designs(feature,function) |
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\*A - Added M - Modified D - Deleted

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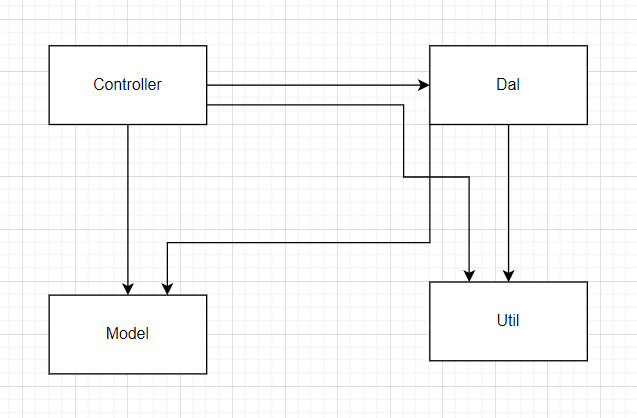
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# I. Overview

## 1. Code Packages



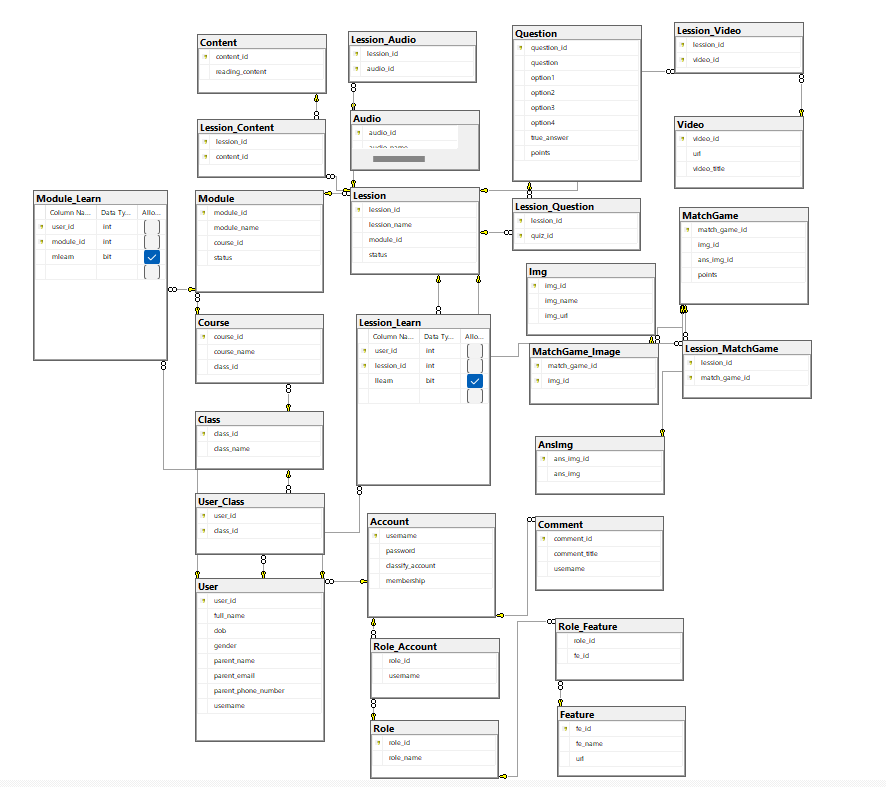
***Package descriptions***

|  |  |  |
| --- | --- | --- |
| **No** | **Package** | **Description** |
| *01* | *Controller* | *Handle back-end, drive flow of code* |
| *02* | *Dal* | *Handle database* |
| *03* | *Model* | *Create object suitable database* |
| *04* | *Util* | *Support* |
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## 2. Database Design

### a. Database Schema

*[Provide the tables relationship like example below – following MySQL database naming convention]*



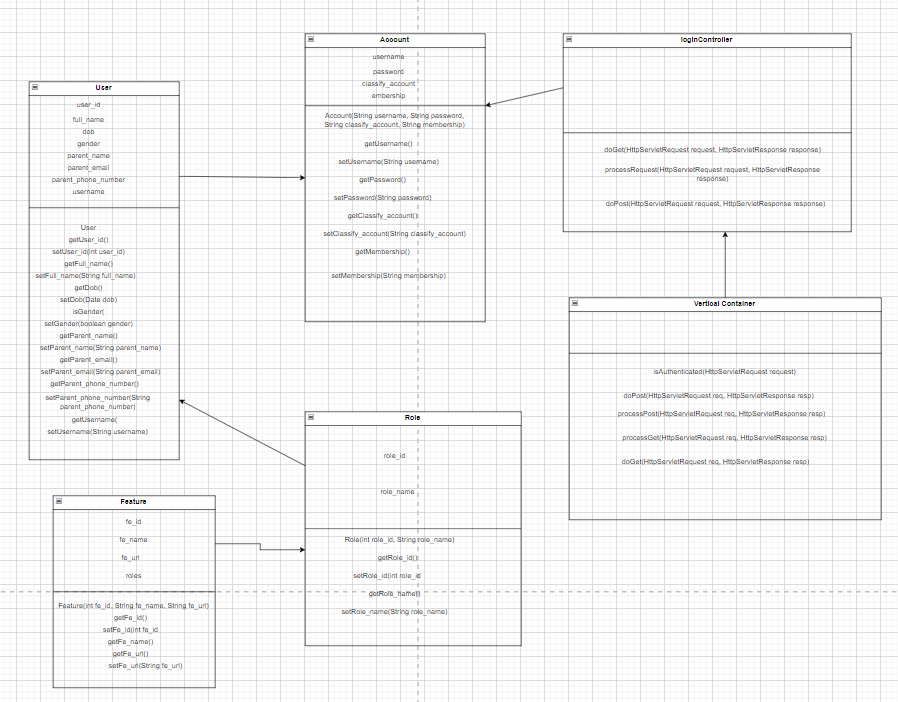
### b. Table Description

|  |  |  |
| --- | --- | --- |
| **No** | **Table** | **Description** |
| *01* | *<Table name>* | *<Description of the table>* |

# II. Code Designs

## 1. Login

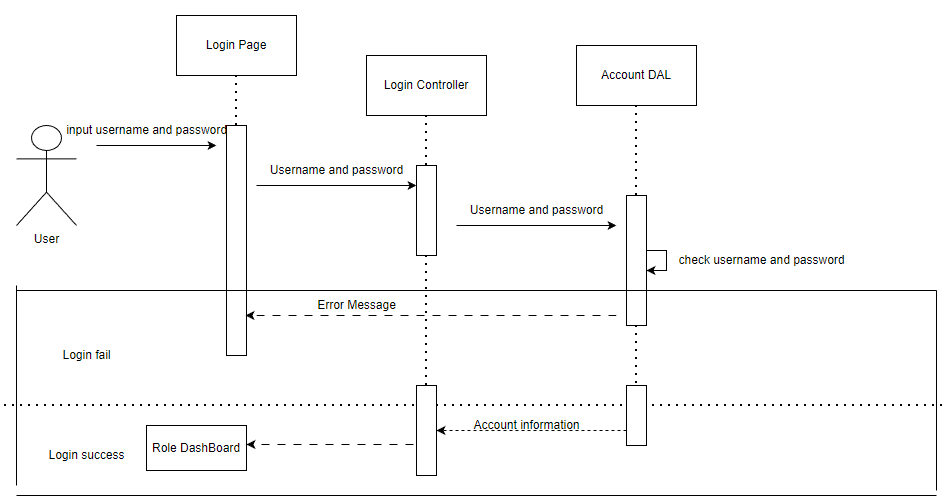
### a. Class Diagram



### b. Class Specifications

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| 01 | doGet(HttpServletRequest request, HttpServletResponse response). | guide the input data stream. |
| 02 | doPost(HttpServletRequest request, HttpServletResponse response). | move to processRequest(HttpServletRequest request, HttpServletResponse response). |
| 03 | processRequest(HttpServletRequest request, HttpServletResponse response). | Handle the data stream about login. |

### c. Sequence Diagram(s)



### d. Database Queries

"SELECT \* FROM Account \n" + "WHERE username = ? \n" + "and password = ?"

## 2. <Feature/Function Name2>

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