

**<<QUIZ PRACTICE>>**

**Software Design Document**

– Hanoi, August 2019 –

**Table of Contents**

[I. Overview 3](#_gjdgxs)

[1. Code Packages 3](#_30j0zll)

[2. Database Schema 3](#_1fob9te)

[II. Code Designs 4](#_3znysh7)

[1. <Feature/Function Name1> 4](#_2et92p0)

[a. Class Diagram 4](#_tyjcwt)

[b. Class Specifications 4](#_3dy6vkm)

[c. Sequence Diagram(s) 4](#_1t3h5sf)

[d. Database queries 5](#_4d34og8)

[2. <Feature/Function Name2> 5](#_2s8eyo1)

[III. Database Tables 5](#_17dp8vu)

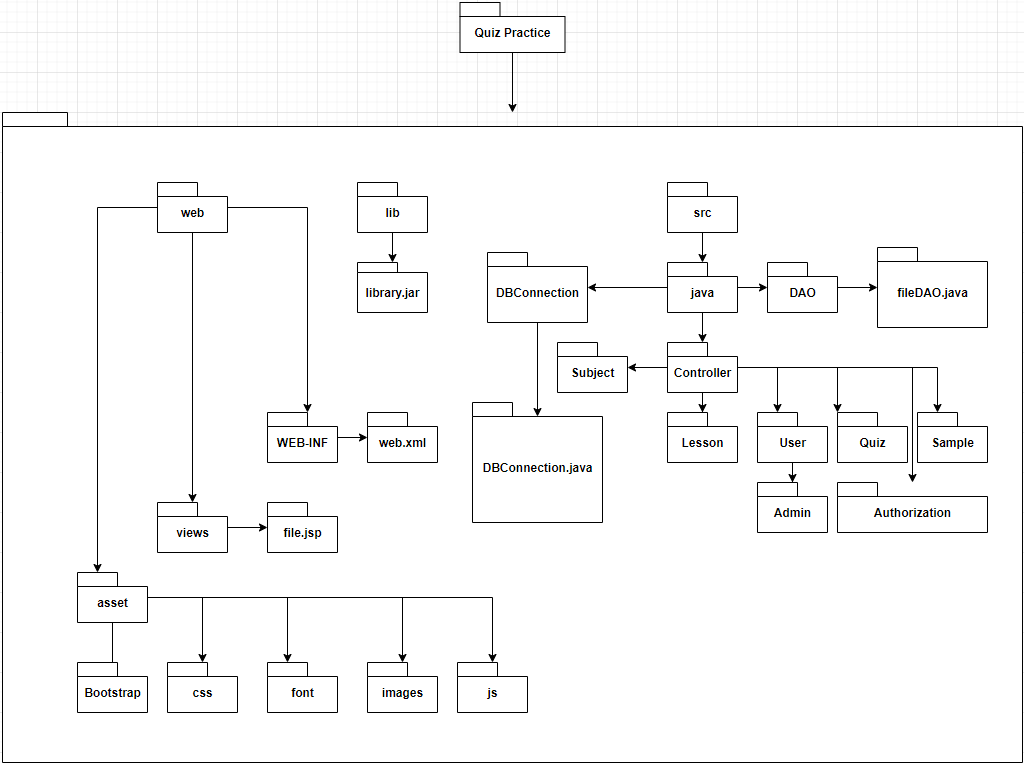
[1. <Table name 1> 5](#_3rdcrjn)

[2. <Table name 2…> 5](#_26in1rg)

# I. Overview

## 1. Code Packages/Namespaces

*[Provide the package diagram for each sub-system. The content of this section including the overall package diagram, the explanation, package and class naming conventions in each package. Please see the sample and description table format below – following Java project naming convention]*



***Package descriptions & package class naming conventions***

|  |  |  |
| --- | --- | --- |
| **No** | **Package** | **Description** |
| *01* | *web* | *Hold all front-end feature*  *Naming follow HTML/CSS naming style* |
| *02* | *asset* | *Hold library which support for front-end* |
| *03* | *views* | *Hold all jsp file* |
| *04* | *WEB-INF* | *Hold only web.xml file* |
| *05* | *lib* | *Hold all addition library which define as jar type* |
| *06* | *src/java* | *Hold all java file* |
| *07* | *DBConnection* | *Hold only DBConnection.java file* |
| *08* | *DAO* |  |

## 2. Coding Conventions

# II. Code Designs

## 1. <Common Feature>

*[Provide the detailed design for the function <Feature/Function Name1>. It include Class Diagram, Class Specifications, and Sequence Diagram(s)]*

### a. Class Diagram

*[This part presents the class diagram for the relevant feature]*



### b. Class Specifications

*[Provide the description for each class and the methods in each class, following the table format as below]*

#### XYZ Class

*[Provide the detailed description for the class methods]*

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *01* | *<method name>* | *<Description of the method, including the inputs, outputs & internal method processing>* |
|  |  |  |

#### ABC Class

***Class Methods***

*[Provide the detailed description for the class methods]*

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *01* | *<method name>* | *<Description of the method, including the inputs, outputs & internal method processing>* |
|  |  |  |

### c. Sequence Diagram(s)

*[Provide the sequence diagram(s) for the feature, see the sample below]*



### d. Database queries

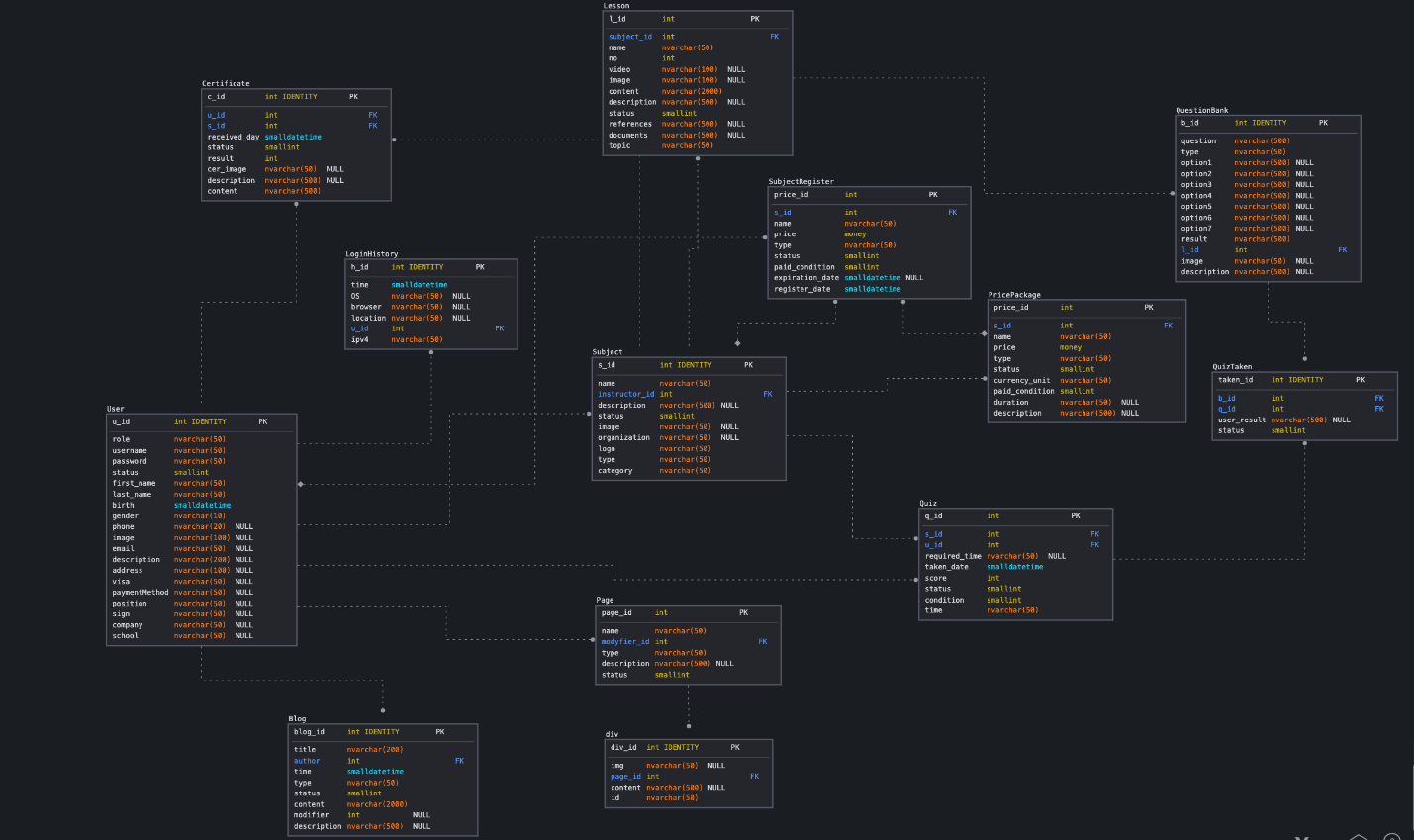
*[Provide the detailed SQL (select, insert, update...) which are used in implementing the function/screen]*

## 2. <Feature/Function Name2>

…

# III. Database Design

## 1. Database Schema



## 2. Table Description

|  |  |  |
| --- | --- | --- |
| **No** | **Table** | **Description** |
| *01* | *<Table name>* | *<Description of the table>*  *- Primary keys: <<list of primary key fields>>*  *- Foreign keys: <<list of foreign key fields>>* |
| *02* |  |  |