<<ACADEMIC BLOG AT FPTU>>

Software Design Document

– Hanoi, April 2021 –

Table of Contents

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	*<Package name>*	*<Description of the package>* *<Class naming convention>*
02		

2. Database Schema

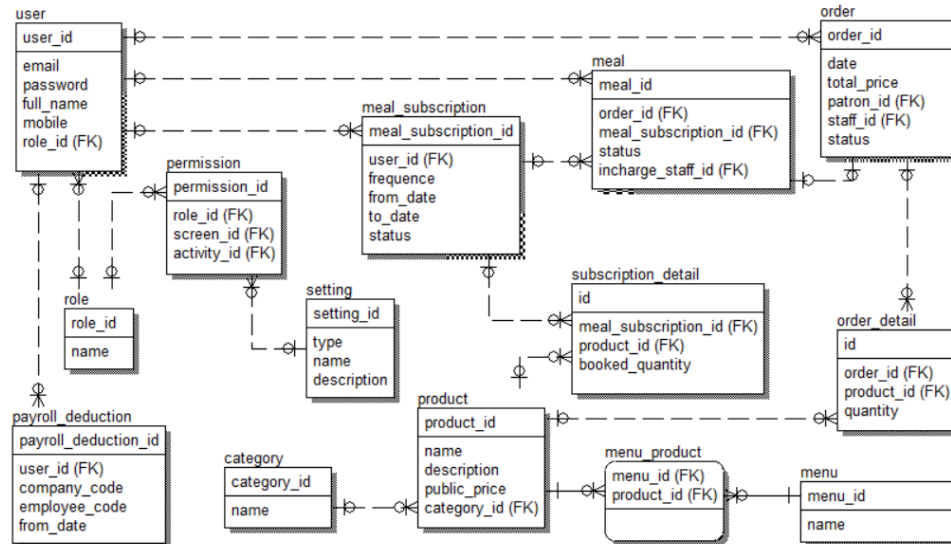*[Provide the tables relationship like example below – following MySQL database naming convention]*

Table descriptions & package class naming conventions are as below
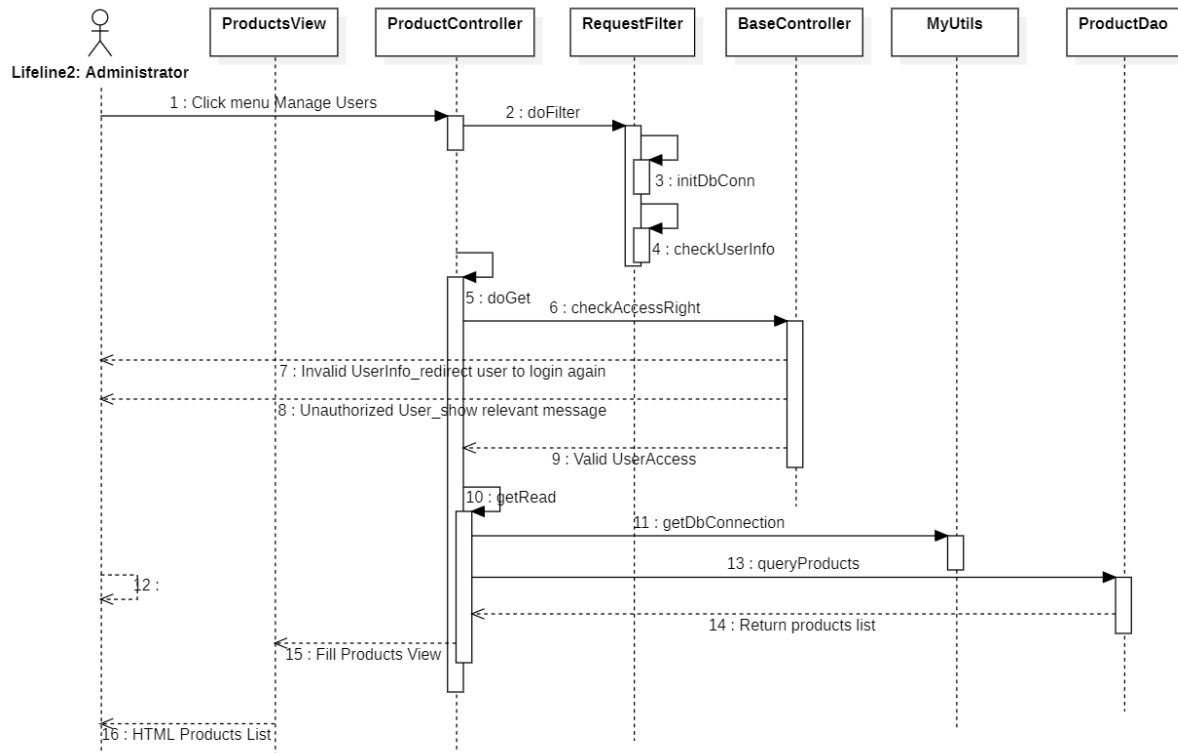
No	Table	Description
01	*<Table name>*	*<Description of the table>* *- Primary keys: <<list of primary key fields>>* *- Foreign keys: <<list of foreign key fields>>*
02		

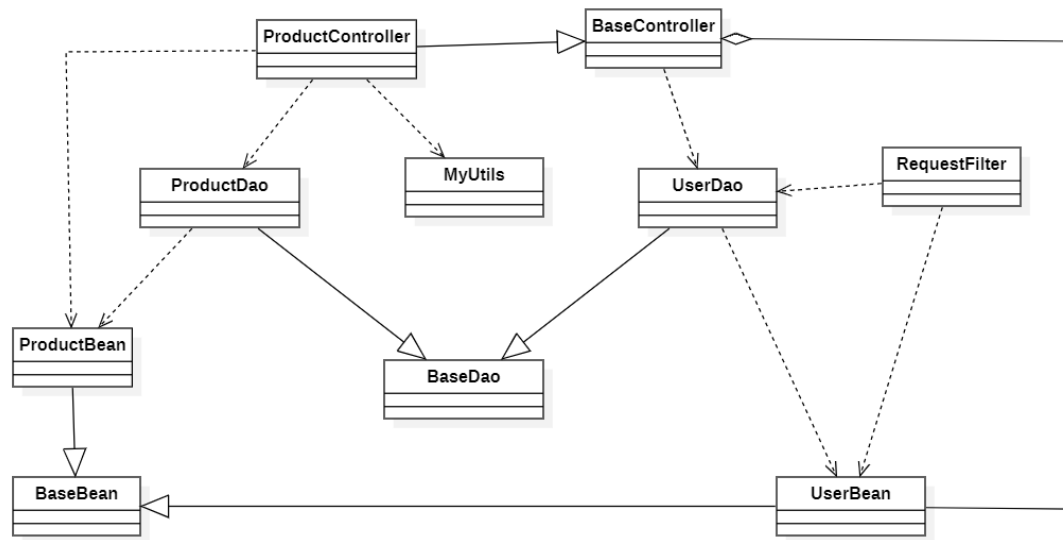# II. Code Designs

1. <Feature/Function Name1>

[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 Tables

1. <Table name 1>
[Give some lines about the table here>>
[Table fields, in the form of table format as below]

#	Field name	Type	Size	Unique	Not Null	PK/FK	Notes
1	Field name1						
2	Field name2						

2. <Table name 2…>