

**<<Project name>>**

**Software Design Specification**

– Hanoi, August 2022 –

Record of changeS

|  |  |  |  |
| --- | --- | --- | --- |
| Date | A\* M, D | In charge | Change Description |
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\*A - Added M - Modified D - Deleted

**Table of Contents**

[I. Overview 4](#_Toc96516286)

[1. Code Packages 4](#_Toc96516287)

[2. Database Design 4](#_Toc96516288)

[a. Database Schema 4](#_Toc96516289)

[b. Table Description 4](#_Toc96516290)

[II. Code Designs 5](#_Toc96516291)

[1. <Feature/Function Name1> 5](#_Toc96516292)

[a. Class Diagram 5](#_Toc96516293)

[b. Class Specifications 5](#_Toc96516294)

[c. Sequence Diagram(s) 5](#_Toc96516295)

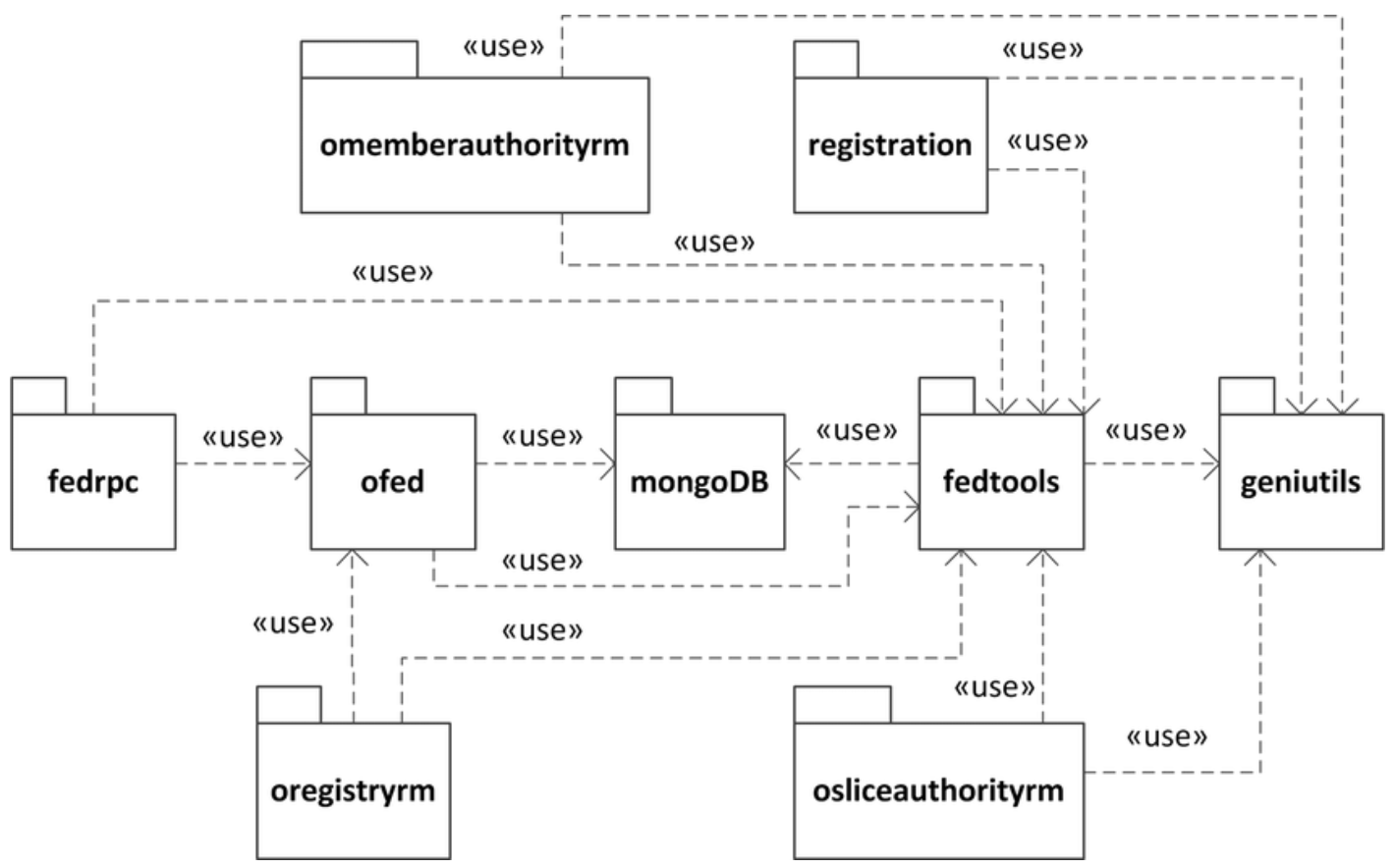
[d. Database queries 6](#_Toc96516296)

[2. <Feature/Function Name2> 6](#_Toc96516297)

# I. Overview

## 1. Code Packages

*[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 & description table format below (****please note: package names don’t follow Java package naming convention yet****)]*



***Package descriptions***

|  |  |  |
| --- | --- | --- |
| **No** | **Package** | **Description** |
| *01* | *omemberauthorityrm* | *<Description of the package>* |
| *02* | *registration* | *<Description of the package>* |
| *03* | *fedrpc* | *<Description of the package>* |
| *04* | *ofed* | *<Description of the package>* |
| *05* | *mongoDB* | *<Description of the package>* |
| *06* | *fedtools* | *<Description of the package>* |
| *07* | *…* |  |

## 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. <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>

…