Technical Design Document

Client: viettridao

Project: Work Log System

Author : TuND

# Revision History

| Version | Date | Author | Change |
| --- | --- | --- | --- |
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|  |  |  |  |

**1 . Technology details project**

**1.1 Programming language**

* Server : Java version 8.
* Client : HTML 5.

**1.2 Developing Web Application**

Use Spring Boot Framework for developing Web Applicaton.

1.2.1 Back-end

* Spring Boot version 2.3.0.
* Controller layer : Spring MVC.
* View : ThymeLaef.
* Handing AJAX/JSON : Gson version 2.8.5
* File Configuration : application.properties

1.2.2 Database

* Management system : SQL Server.
* ORM Framework : Hibernate version 4.3.11.Final
* Configuration :
  + User : WLS
  + Password : A2ZTeam
  + Database Name : ProjectWLS
  + Address:port => localhost:1433

1.2.3 Font-end.

* Enent Handing : jQuery version 3.3.1
* Interface : Bootstrap version 4.0.0
* Form Handing : Use the HTML form tag mixed with Thymeleaf attributes.
* Get Data From Server : AJAX in libraly jQuery 3.3.1
* CSS Preprocessor : SASS syntax SCSS.
* Form Validation : Java Bean validation API provided by Spring MVC.

1.2.4 Name

* Source code naming convention:
* vn.vtd.wls.admin.controller
* vn.vtd.wls.admin.service
* vn.vtd.wls.user.controller
* vn.vtd.wls.user.service
* Prototype naming convention:

**(ĐỢI SRS)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Admin | | | | |
| SRS | Name Screen | Title Screen | CSS Name | JS Name |
|  | WLS\_AD01 | Home | WLS-AD01-Css | WLS-AD01-Js |
|  | WLS-AD02 | Manage Member | WLS-AD02-Css | WLS-AD02-Js |
|  | WLS-AD03 | Manege Projects | WLS-AD02-Css | WLS-AD02-Js |
|  |  |  |  |  |
|  | WLS-PM01 | Home | WLS-PM01-Css | WLS-PM01-Js |
|  | WLS-PM02 | My Projects | WLS-PM02-Css | WLS-PM02-Js |
|  | WLS-PM03 | Manage Projects | WLS-PM03-Css | WLS-PM03-Js |
|  | WLS-PM03-01  (Member) | Manage Member | WLS-PM03-01-Css | WLS-PM03-01-Js |
|  |  |  |  |  |
|  |  |  |  |  |

1.2.5 Other

* File deploy : jar
* IDE : Spring Tool Suite 3.9.11