**Employee management system**

**Purpose**

Employee management system is a simple maven CRUD app for capturing and editing employee details. The application provides the following basic functionality

1. Create employee
2. Delete employee
3. Edit employee
4. View employee details

**Frameworks and tools used**

**Language**

* Java

**Inversion of control/dependency injection**

* Spring framework 5.0.8

**Persistence**

* Hibernate 5.0.7 Final
* PostgreSQL 42.1.2

**Presentation**

* JSF 2.2.18
* Bootfaces 1.3.0
* Primefaces 6.2
* Bootstrap 3.3.7

**Application server (servlet container)**

* Wildfly 10.0.0. Final

**Build tool (Dependency management)**

* Maven 3.5.4

**IDE**

* NetBeans IDE 8.2(One can use any IDE which is compatible with maven or just a plain maven command line is fine. For this project is created a maven project and imported it into as a NetBeans project.

**Testing**

* Junit 4.12

**Project overview**

The following section provides the project overview and how all the components of the project fit together to form a solution.

* A maven project was created using the command line and imported to a NetBeans IDE.
* This maven project is based on a Project Object Model (POM) file where all the project dependencies are outlined and resolved.
* After the declaration of maven dependencies, I ran a **Maven clean install** command on the command line to download all the required dependencies to my local machine.
* After downloading all the required dependencies, the following packages were created:

1. **Model**

This package consists of all entities that were created from the use case. This includes Person, Employee, Address and the BaseEntity which consist of common attributes.

1. **Common**

This package consists of common code that is shared across the entire project.

1. **Persistence**

The persistence package consist of a persistent service which retrieves

1. Service package
2. UI package
3. Test packages

Running the project