

This document consists of instruction for running the program.

1. Prerequisite

1.1 MYSQL setup

The application requires an mysql server hosted at localhost port 3306. For further reference database connection url located in the Database class takes the following form.

“jdbc:mysql://localhost:3306/ssolution”

The connection set up should consist of username: root and password: root1234. Within the connection there should be a schema with the name “ssolution”. Upon creating the ssolution schema import the data located in the sql script “schema” to create and populate necessary tables required for the application. If there are other details required beyond the scope discussed here, please refer to the Database class in the source code as it pertains to all the Database related functionalities of the application.

1.2 JRE Requirement

This program was developed and executed on a Java RunTime Environment. So please make sure your computer comprise of JRE 1.8.0 or higher.

1.3 OS Requirement

Since the application os requirement is windows. This application will work in a Windows environment that fulfills the JRE requirement.

2. Starting the application and usage

2.1 Starting the application

schema	5/10/2020 2:34 AM	SQL Text File	3 KB
sourceCode	5/10/2020 2:17 AM	WinZip File	2,280 KB
S-Squared Personnel	5/10/2020 2:08 AM	Application	3,575 KB
S-Squared Personnel	5/10/2020 2:03 AM	Executable Jar File	3,548 KB

Figure 2.1 Unzipped Project zip folder structure

The application does not require any installation beyond the prerequisite given above. The application can be run by selecting the S-Squared Personnel Executable Jar or the S-Squared Personnel Executable located in the folder of the unzipped Project zip file.

2.2 Usage Home Page

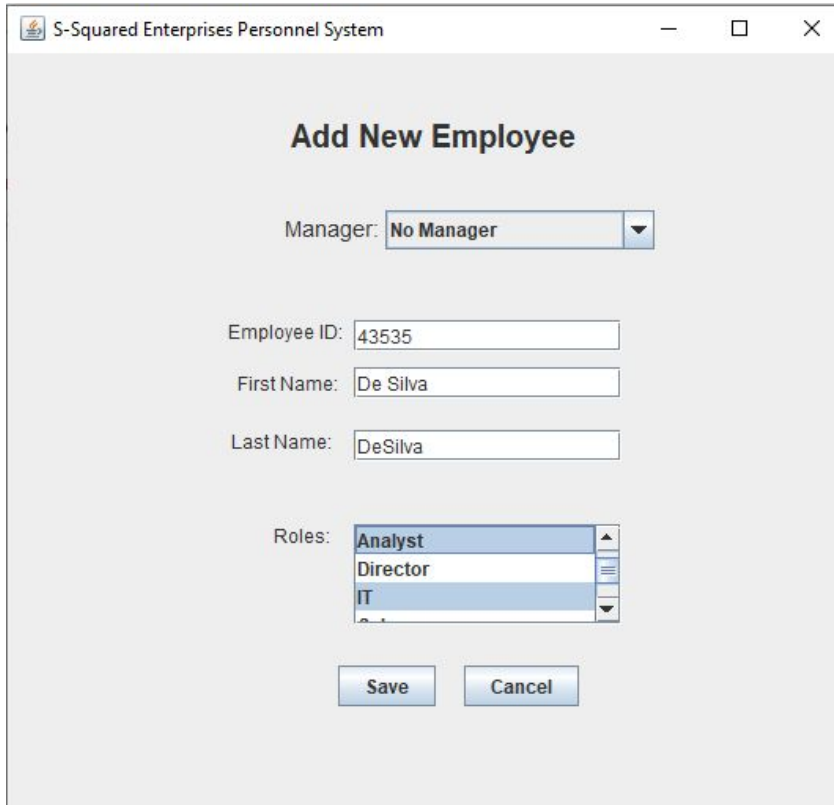
Employee ID	First Name	Last Name
23555	Adam	Braun
46544	Kristen	Floyd
456656	Brian	Cruz

Add Employee

Figure 2.2 Home Page

Upon successful run the user will be directed to the home page(Figure 2.2). Here users can view the employees under a specific manager by selecting the respective manager from the column values. If a user wishes to add a new employee, the user can simply click add employee to go to the employee registration page.

2.3 Adding new Employees



The screenshot shows a web application window titled "S-Squared Enterprises Personnel System". The main heading is "Add New Employee". Below this, there is a "Manager:" label followed by a dropdown menu showing "No Manager". Below that are three text input fields: "Employee ID:" with the value "43535", "First Name:" with the value "De Silva", and "Last Name:" with the value "DeSilva". Below these is a "Roles:" label followed by a list box containing "Analyst", "Director", and "IT". At the bottom of the form are two buttons: "Save" and "Cancel".

Figure 2.3 Employee registration page

In the employee registration page users can add a new employee to the system. Here if the employee is supervised, the employee can simply select the supervisor from the Manager column if the manager is registered in the system. Employees must provide employee id, first name and Last name in the respective fields. Then the employee can select the role from the Roles field. When selecting roles, if the employee has multiple roles then he/ or she can hold the "Ctrl" key and select multiple roles in the options.

