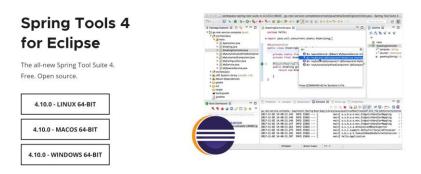
About: Web application is created where the employee can take up a questionnaire that verifies if the employee's system is in compliance with the organization. The application will provide feedback to the employee with downloadable files as links for all non-compliant parameters.

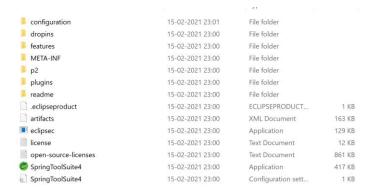
Environmental Setup:

STS can be installed from https://spring.io/tools.

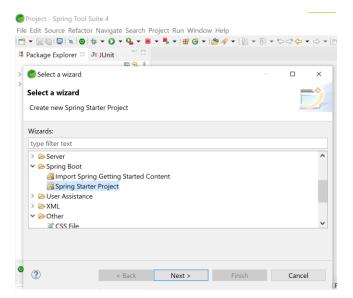


Download the Windows OS version.

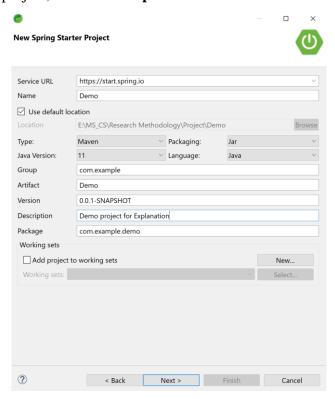
This is an executable jar file, which when extracted gave the following files.



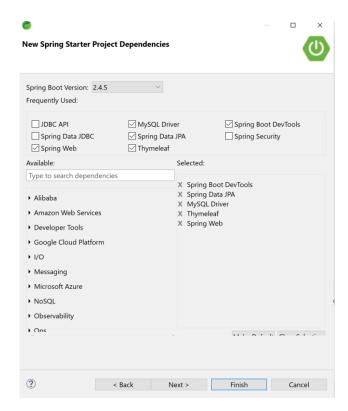
To open the application, use the 'SpringToolSuite4' application. Click on **File > New >Other** >**SpringStarterProject** and click on **Next**



Give a **name** for the project, enter a **description** and click on Next.

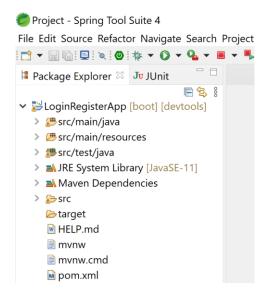


Select the required dependencies. For building this project, we used the selected dependencies as given in the screenshot. If we need any other dependencies, just type in the "Type to search dependencies" text field. Click on **Finish** once selected.

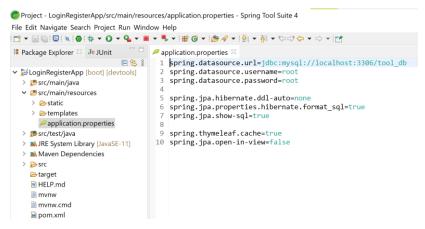


This will take around 30-40 minutes for creating the project, as it is downloading the dependencies from Internet.

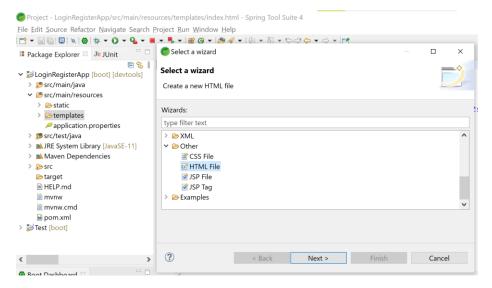
Once the project is created, it will contain the following folders under the project.



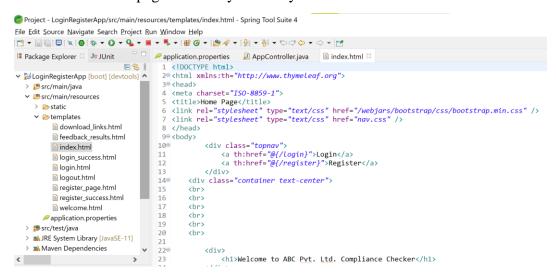
Under **src/main/resources** > **application.properties** file, add the properties required for the application.



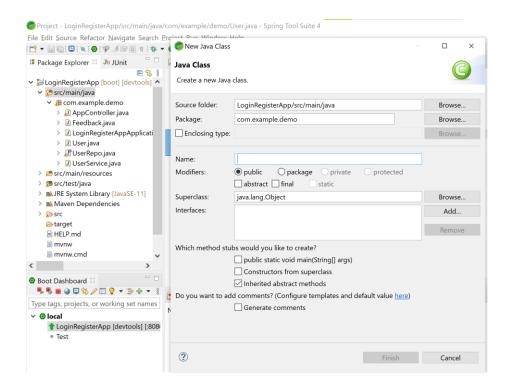
To create .html files, under the project, right click on **src/main/resources > templates > New** > **Other > HTML file** and click **Next.** Enter a name for the file and click **Finish.**



We can write html pages with Thymeleaf syntax in these .html files created.



For creating .java files associated with the .html files, right click on **src/main/resources** > **New** > **Class.** Enter a name for the file and click **Finish.**



Once all the files are created, we have to run the application. For this, run the file **LoginRegisterAppApplication.java** as java application. Upon successful running, it will display the message 'Tomcat started on port(s): 8080' in the console.



Open browser and enter http://localhost:8080/. The index.html page will open up.

Screenshots of Results

Home page is given below. When we click on Register, the page to register is displayed.



Welcome to ABC Pvt. Ltd. Compliance Checker

Welcome to ABC Pvt. Ltd. Compliance Checker

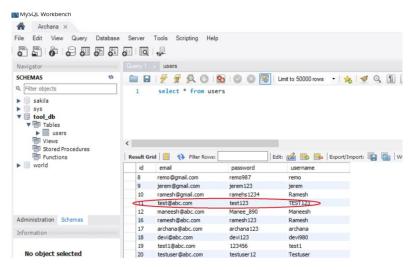
Validations are done in all web forms. If the user enters doesn't enter all the fields, a warning error message will be displayed. Also, if the email Id already exists, then also an error message will be displayed. This will be checked with the database.

Employee Registration

Employee Registration



An example screenshot of database is as follows.



Once the employee successfully registers in, he/she will be redirected to the page for logging in. There also we have done validations for the web form. The credentials entered are checked with the values in the database. If they don't match also, a message will be displayed.

You have registered Successfully Click here to Login Enter your credentials to Login Enter your Email ID Enter your Email ID Enter your Email ID Enter your Email ID Invalid Credentials

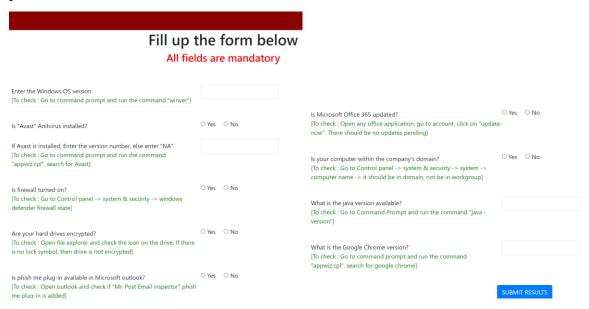
Upon successful login, the employee can take up the Questionnaire.

Welcome test123@abc.com

To verify if your system comply with security standards of our organization, click on the below link to take up the questionnaire

QUESTIONNAIRE

The Questionnaire looks like below. Contains questions for checking compliance of nine parameters.

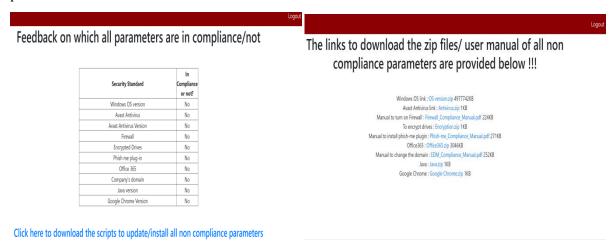


TEST CASE 1 – Certain parameters are not in compliance. Once user clicks on the 'click here to download the scripts to update/install all non-compliance parameters', he will be redirected to the next page which contains link, which he can download and install.



Click here to download the scripts to update/install all non compliance parameters

TEST CASE 2 – All parameters are not in compliance. Next page will contain the links for all nine parameters.



TEST CASE 2 – All parameters are in compliance. User can log out of the application.

Security Standard Compliance or not?

Windows OS version Yes
Awast Antoinus Yes
Awast Antoinus Version Yes
Firewall Yes
Encrypted Drives
(Sinch year Arts in Internation of Yes)

You don't have any softwares to be updated You may LOGOUT!!!!

Office 365
Company's domain
Java version
Google Chrome Version

Feedback on which all parameters are in compliance/not

You have successfully logged out

Click here to go back to home page