



**BHASKARACHARYA NATIONAL INSTITUTE FOR SPACE  
APPLICATIONS AND GEO-INFORMATICS**

**WEEKLY PROGRESS REPORT (17/01/2024 – 23/01/2024)**

**WEEK 1**

**PROJECT NAME**

**OPEN WEB LEARNING MANAGEMENT SYSTEM**

**PROJECT DESCRIPTION :**

**CREATING THE USER REGISTRATION FORM  
AND AUTHENTICATE THE FIELD**

**GROUP MEMBER :**

**RATHOD MANAV**

**GROUP ID :**

**24RC2**

**GROUP GUIDE :**

**DR YAGNESH VYAS**

**GROUP COORDINATOR :**

**SIDHDHARTH PATEL**

**COLLEGE GUIDE NAME :**

**PROF. NIRANJAN PRAJAPATI**

**COLLEGE GUIDE EMAIL. :**

**NKPRAJAPATI@GECG28.AC.IN**

**COLLEGE NAME :**

**GOVERNMENT ENGINEERING COLLEGE  
GANDHINAGAR**

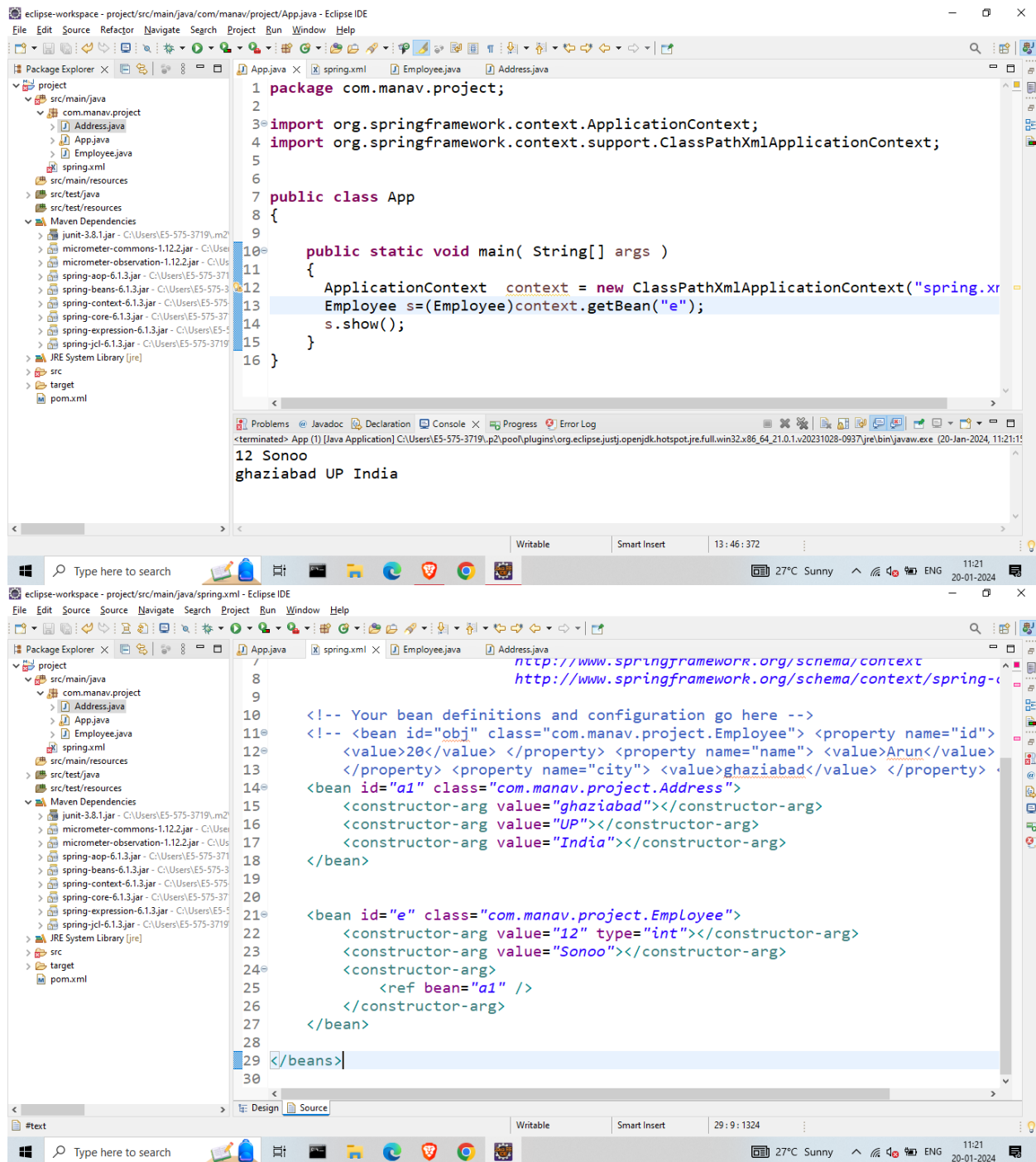
17/01/2024	<ul style="list-style-type: none"> <li>• Learn about basic of Spring Core Framework</li> </ul>
18/01/2024	<ul style="list-style-type: none"> <li>• Run code of constructor injection and setter injection</li> </ul>
19/01/2024	<ul style="list-style-type: none"> <li>• Learn about Bean Life Cycle , Annotation in Spring Framework</li> </ul>
20/01/2024	<ul style="list-style-type: none"> <li>• Learn about basic of Spring MVC Framework</li> </ul>
21/01/2024	Holiday(Sunday)
22/01/2024	<ul style="list-style-type: none"> <li>• Added plugin of STS in Eclipse IDE</li> <li>• Created the basic demo project in Spring Boot</li> </ul>
23/01/2024	<ul style="list-style-type: none"> <li>• Created the User Registration web page in spring boot</li> <li>• Connected the User Registration Form entry into Database</li> </ul>

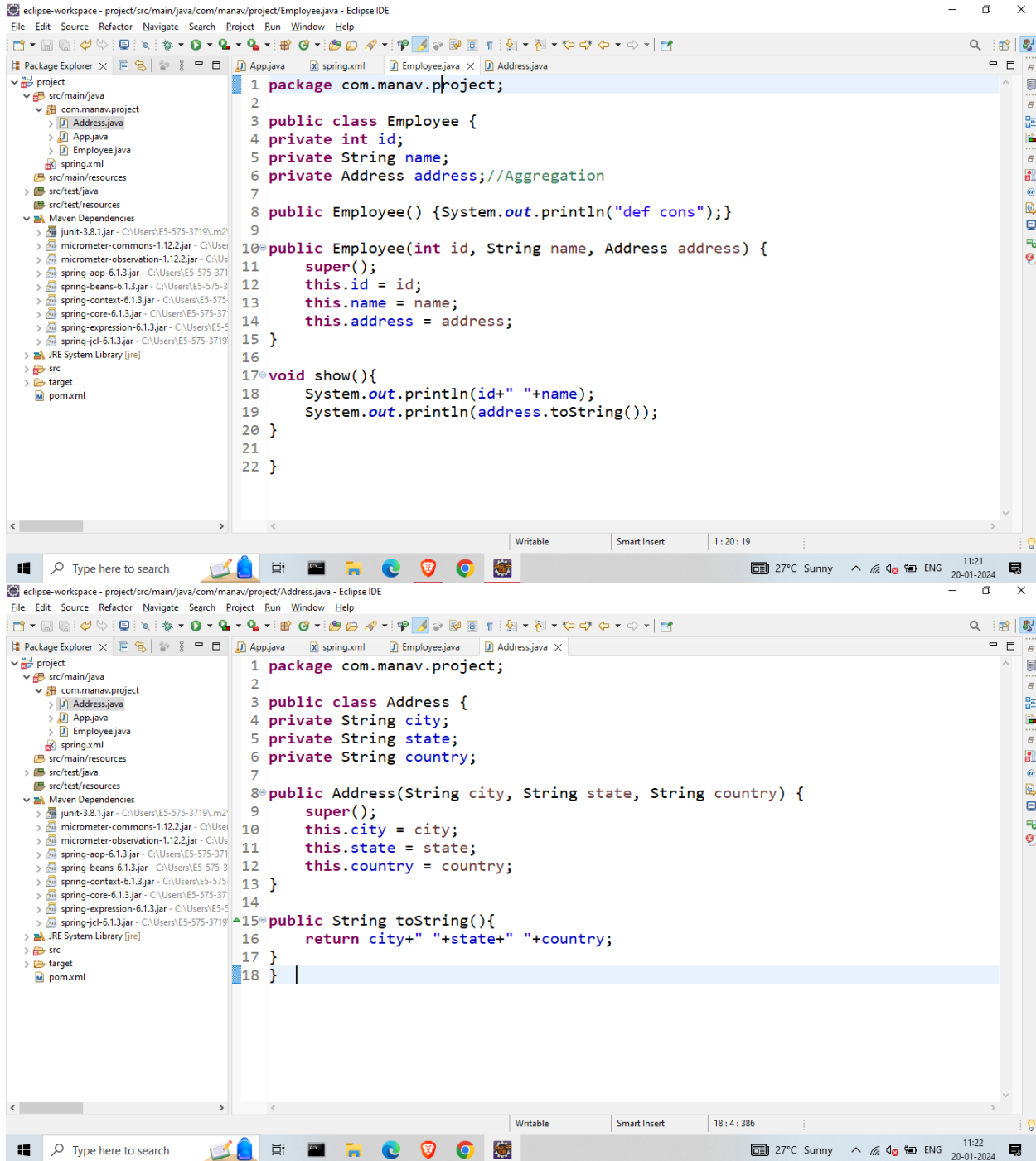
Next Week Plan	Validate the field's of Form and perform CRUD operation in database , Create the searching bar and represent the data into Grid views .
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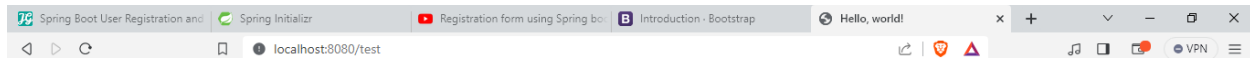
## REFERENCE :

- <https://www.javatpoint.com/spring-modules>
- <https://www.javatpoint.com/spring-boot-tutorial>
- <https://www.javaguides.net/2018/10/user-registration-module-using-springboot-springmvc-springsecurity-hibernate5-thymeleaf-mysql.html>
- <https://start.spring.io/>
- <https://spring.io/guides/gs/spring-boot/>

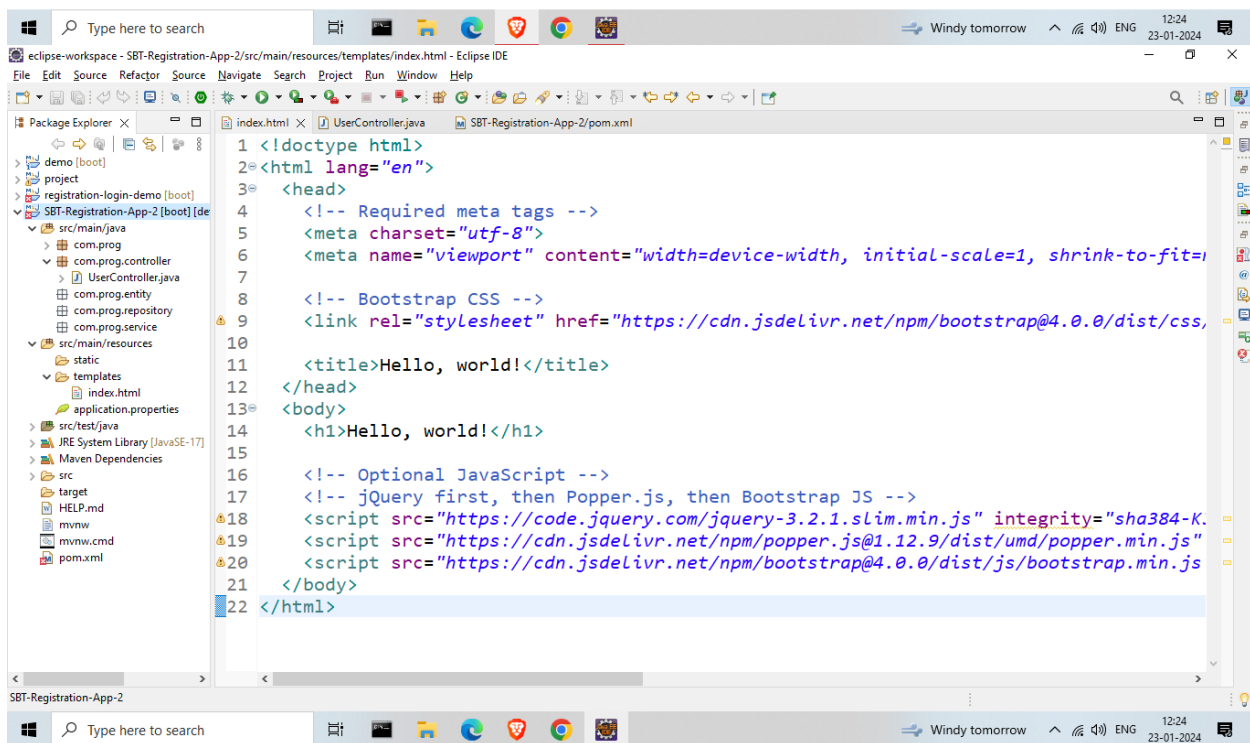
## SCREEN SHOTS :







# Hello, world!



eclipse-workspace - SBT-Registration-App-2/src/main/java/com/prog/controller/UserController.java - Eclipse IDE

File Edit Source Refactor Source Navigate Search Project Run Window Help

Package Explorer

- demo [boot]
- project
- registration-login-demo [boot]
- SBT-Registration-App-2 [boot] [de]
  - src/main/java
    - com.prog
      - com.prog.controller
        - UserController.java
      - com.prog.entity
      - com.prog.repository
      - com.prog.service
    - src/main/resources
      - static
      - templates
        - index.html
      - application.properties
    - src/test/java
    - JRE System Library [JavaSE-17]
    - Maven Dependencies
    - src
      - target
      - HELP.md
      - mvnw
      - mvnw.cmd
      - pom.xml

```
1 package com.prog.controller;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.GetMapping;
5
6 @Controller
7 public class UserController {
8     @GetMapping("/test")
9     public String home() {
10         return "index";
11     }
12 }
13
14
```

Writeable Smart Insert 11:6:258

eclipse-workspace - SBT-Registration-App-2/src/main/java/com/prog/SbtRegistrationApp2Application.java - Eclipse IDE

File Edit Source Refactor Source Navigate Search Project Run Window Help

Package Explorer

- demo [boot]
- project
- registration-login-demo [boot]
- SBT-Registration-App-2 [boot] [de]
  - src/main/java
    - com.prog
      - SbtRegistrationApp2Appl
    - com.prog.controller
      - UserController.java
    - com.prog.entity
    - com.prog.repository
    - com.prog.service
  - src/main/resources
    - static
    - templates
      - index.html
    - application.properties
  - src/test/java
  - JRE System Library [JavaSE-17]
  - Maven Dependencies
  - src
    - target
    - HELP.md
    - mvnw
    - mvnw.cmd
    - pom.xml

```
1 package com.prog;
2
3 import org.springframework.boot.SpringApplication;
4
5 @SpringBootApplication
6 public class SbtRegistrationApp2Application {
7     public static void main(String[] args) {
8         SpringApplication.run(SbtRegistrationApp2Application.class, args);
9     }
10 }
11
12
13
14
```

Writeable Smart Insert 1:1:0

eclipse-workspace - SBT-Registration-App-2/src/main/java/com/prog/controller/UserController.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

application.properties UserDtls.java SbtRegistrationApp... UserController.java UserRepository.java index.html SBT-Registration-App...

```
16 @Controller
17 public class UserController {
18
19     @Autowired
20     private UserRepository repo;
21
22     @GetMapping("/")
23     public String home() {
24         return "index";
25     }
26
27     @PostMapping("/register")
28     public String register(@Validated @ModelAttribute UserDtls u, BindingResult bindingResult) {
29         if (bindingResult.hasErrors()) {
30             // If there are validation errors, return to the form page
31             return "index";
32         }
33         repo.save(u);
34         // Set the session attribute after saving the user
35         session.setAttribute("message", "User registration successful");
36         // Add the attribute to the model for further processing in the view
37         model.addAttribute("sessionMessage", session.getAttribute("message"));
38         // Redirect to a dedicated success page
39         return "redirect:/";
40     }
41 }
```

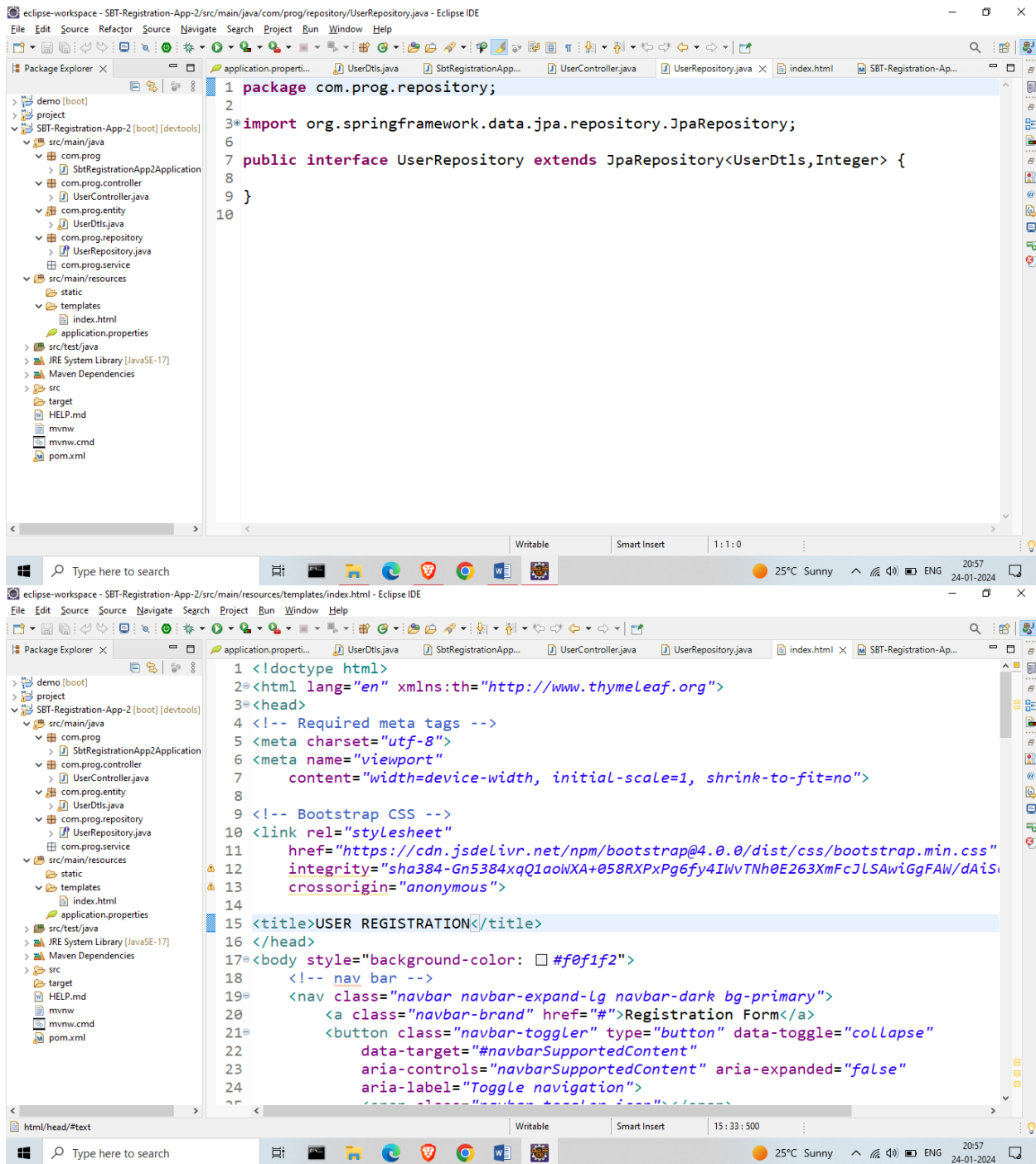
eclipse-workspace - SBT-Registration-App-2/src/main/java/com/prog/entity/UserDtls.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

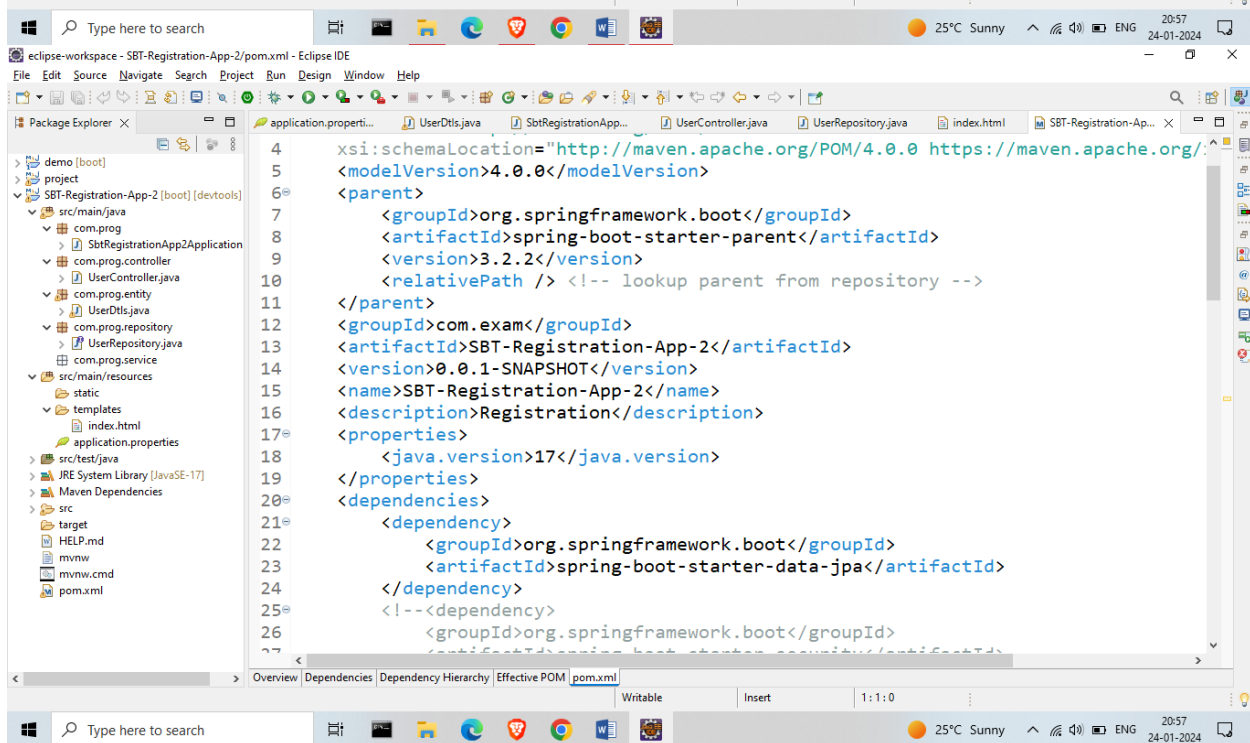
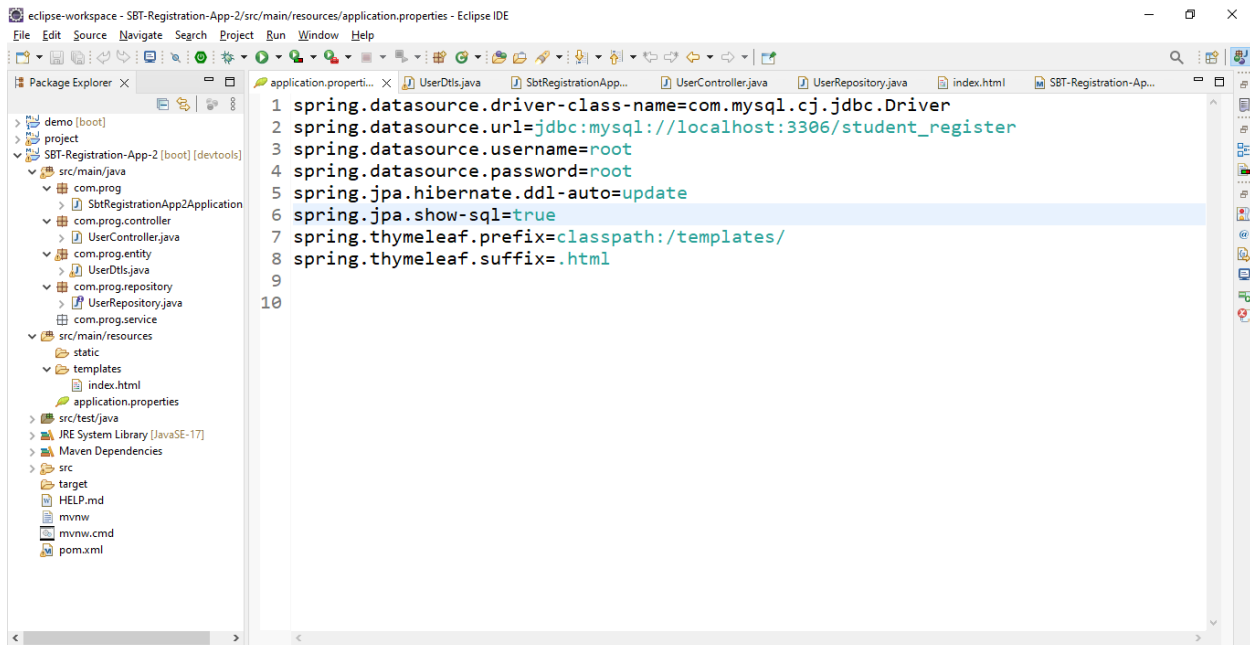
Package Explorer

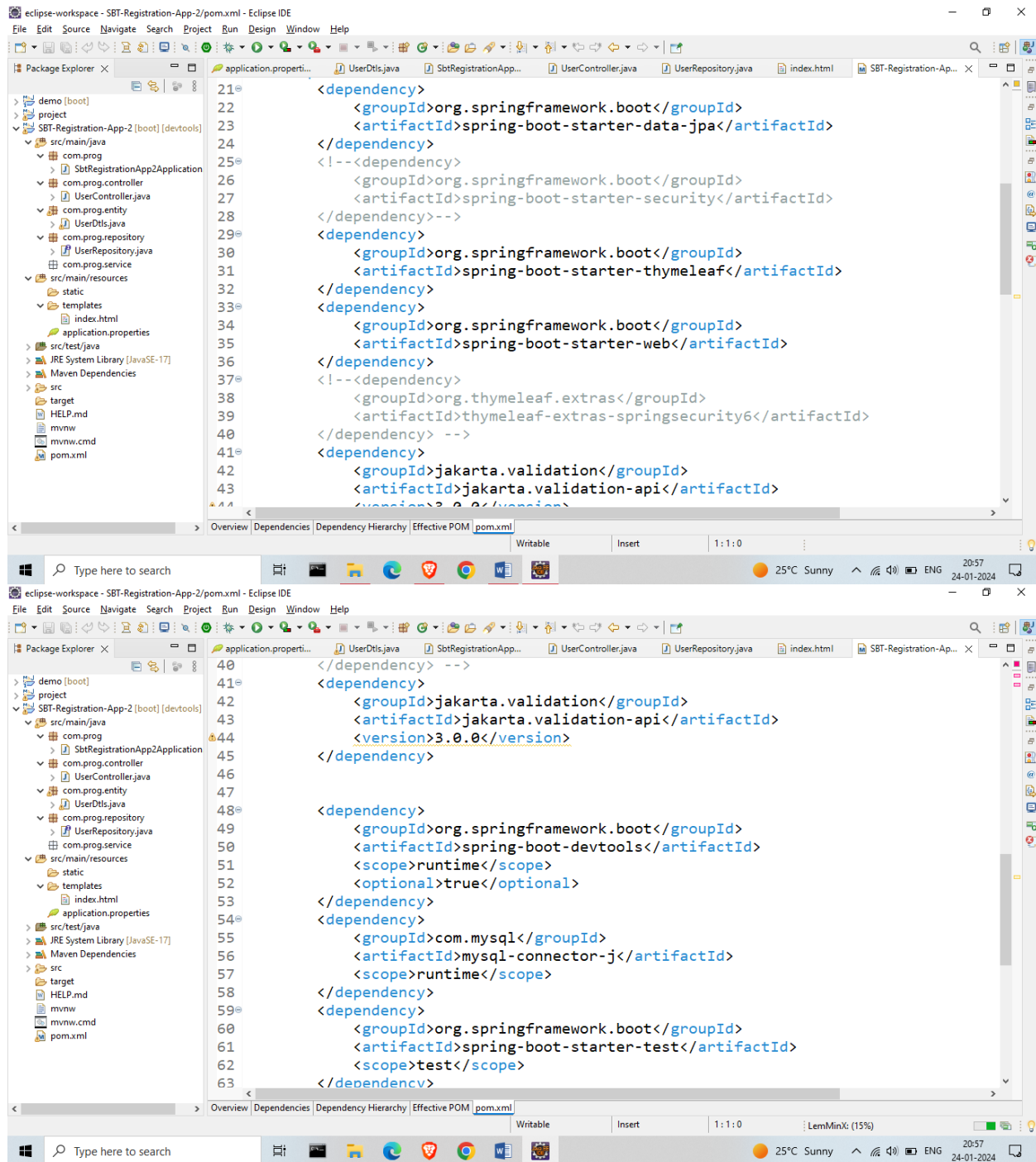
application.properties UserDtls.java SbtRegistrationApp... UserController.java UserRepository.java index.html SBT-Registration-App...

```
1 package com.prog.entity;
2
3 import jakarta.persistence.Column;
4
5
6
7
8
9
10
11
12
13
14
15
16 @Entity
17 @Table(name="USER_DTLS")
18 public class UserDtls {
19     @Id
20     @GeneratedValue(strategy=GenerationType.IDENTITY)
21     private int id;
22
23     @NotBlank(message = "Full Name is required")
24     @Size(min = 2, max = 100, message = "Full Name must be between 2 and 100 characters")
25     @Column(name="Name")
26     private String fullname;
27
28     @NotBlank(message = "Gender is required")
29     private String gender;
30
31     @NotBlank(message = "Date of Birth is required")
32     private String dob;
33
34     @NotBlank(message = "Address is required")
35     private String address;
36 }
```









The screenshot shows the Eclipse IDE interface with two windows open. The top window displays the Spring Boot logo and version (v3.2.2). The bottom window shows the console output of the application startup, including messages about DevTools, Spring Data JPA, Tomcat, and Hibernate.

```

2024-01-24T20:59:53.169+05:30 INFO 1180 --- [ restartedMain] c.prog.SbtRegistrationApp2Application : St
2024-01-24T20:59:53.178+05:30 INFO 1180 --- [ restartedMain] c.prog.SbtRegistrationApp2Application : No
2024-01-24T20:59:54.158+05:30 INFO 1180 --- [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : De
2024-01-24T20:59:54.159+05:30 INFO 1180 --- [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : Fo
2024-01-24T21:00:01.846+05:30 INFO 1180 --- [ restartedMain] s.s.d.r.c.RepositoryConfigurationDelegate : Bo
2024-01-24T21:00:02.198+05:30 INFO 1180 --- [ restartedMain] s.s.d.r.c.RepositoryConfigurationDelegate : Fil
2024-01-24T21:00:06.066+05:30 INFO 1180 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : To
2024-01-24T21:00:06.208+05:30 INFO 1180 --- [ restartedMain] o.apache.catalina.core.StandardService : St
2024-01-24T21:00:06.580+05:30 INFO 1180 --- [ restartedMain] o.apache.catalina.core.StandardEngine : St
2024-01-24T21:00:06.580+05:30 INFO 1180 --- [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : In
2024-01-24T21:00:06.580+05:30 INFO 1180 --- [ restartedMain] w.s.c.ServletWebServerApplicationContext : Ro
2024-01-24T21:00:07.951+05:30 INFO 1180 --- [ restartedMain] o.hibernate.jpa.internal.util.LogHelper : HHI
2024-01-24T21:00:08.785+05:30 INFO 1180 --- [ restartedMain] org.hibernate.Version : HHI
2024-01-24T21:00:09.034+05:30 INFO 1180 --- [ restartedMain] o.h.c.internal.RegionFactoryInitiator : HHI
2024-01-24T21:00:11.209+05:30 INFO 1180 --- [ restartedMain] o.s.o.i.p.SpringPersistenceUnitInfo : No

```

The bottom window shows the console output of the application startup, including messages about DevTools, Spring Data JPA, Tomcat, and Hibernate.

```

: Starting SbtRegistrationApp2Application using Java 21.0.1 with PID 1180 (C:\Users\E5-575-3719\workspace\SBT-Registration-App-2\pom.xml - Eclipse IDE
: No active profile set, falling back to 1 default profile: "default"
sor : Devtools property defaults active! Set 'spring.devtools.add-properties' to 'false' to disable
sor : For additional web related logging consider setting the 'logging.level.web' property to 'DEBUG'
ate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
ate : Finished Spring Data repository scanning in 279 ms. Found 1 JPA repository interface.
er : Tomcat initialized with port 8080 (http)
e : Starting service [Tomcat]
: Starting Servlet engine: [Apache Tomcat/10.1.18]
: Initializing Spring embedded WebApplicationContext
ext : Root WebApplicationContext: initialization completed in 12396 ms
er : HHH000204: Processing PersistenceUnitInfo [name: default]
: HHH000412: Hibernate ORM core version 6.4.1.Final
: HHH000026: Second-level cache disabled
: No LoadTimeWeaver setup: ignoring JPA class transformer
: HikariPool-1 - Starting...
: HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@3adde095
: HikariPool-1 - Start completed.

```

Inbox (2,361) - manavrathod56102@g... USER REGISTRATION x +

localhost:8080

Registration Form Home Login Signup

### Registration Form

Full Name

Email address

Enter email

We'll never share your email with anyone else.

Gender ☐ M ☐ F

DOB

dd-mm-yyyy

Address

1234 Main St

Password

Password

Submit

Type here to search

25°C Sunny 21:07 24-01-2024

Inbox (2,361) - manavrathod56102@g... USER REGISTRATION x +

localhost:8080

Registration Form Home Login Signup

### Registration Form

Full Name

manav

Email address

manavrathod2602@gmail.com

We'll never share your email with anyone else.

Gender ☒ M ☐ F

DOB

13-11-2003

Address

east maninagar ahmedabad

Password

\*\*\*\*\*

Submit

Type here to search

25°C Sunny 21:15 24-01-2024

eclipse-workspace - SBT-Registration-App-2/src/main/resources/templates/index.html - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

SBT-Registration-App-2 - SbtRegistrationApp2Application [Spring Boot App] C:\Users\ES-575-3719\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64.21.0.1.x20231028-0937\jre\bin\java.exe (24-Jan-2024, 9:05:49 pm) [pid: 1568]

```
2024-01-24T21:06:25.005+05:30 INFO 1568 --- [ restartedMain] o.apache.catalina.core.StandardEngine : St
2024-01-24T21:06:25.244+05:30 INFO 1568 --- [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : In
2024-01-24T21:06:25.244+05:30 INFO 1568 --- [ restartedMain] w.s.c.ServletWebServerApplicationContext : Ro
2024-01-24T21:06:25.773+05:30 INFO 1568 --- [ restartedMain] o.hibernate.jpa.internal.util.LogHelper : HHI
2024-01-24T21:06:26.319+05:30 INFO 1568 --- [ restartedMain] org.hibernate.Version : HHI
2024-01-24T21:06:26.568+05:30 INFO 1568 --- [ restartedMain] o.h.c.internal.RegionFactoryInitiator : HHI
2024-01-24T21:06:27.460+05:30 INFO 1568 --- [ restartedMain] o.s.o.j.p.SpringPersistenceUnitInfo : No
2024-01-24T21:06:27.654+05:30 INFO 1568 --- [ restartedMain] com.zaxxer.hikari.HikariDataSource : Hil
2024-01-24T21:06:29.344+05:30 INFO 1568 --- [ restartedMain] com.zaxxer.hikari.pool.HikariPool : Hil
2024-01-24T21:06:29.360+05:30 INFO 1568 --- [ restartedMain] com.zaxxer.hikari.HikariDataSource : Hil
2024-01-24T21:06:33.698+05:30 INFO 1568 --- [ restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator : HHI
2024-01-24T21:06:33.846+05:30 INFO 1568 --- [ restartedMain] j.LocalContainerEntityManagerFactoryBean : In
2024-01-24T21:06:34.380+05:30 WARN 1568 --- [ restartedMain] JpaBaseConfiguration$JpaWebConfiguration : spi
2024-01-24T21:06:34.435+05:30 INFO 1568 --- [ restartedMain] o.s.b.a.w.s.WelcomePageHandlerMapping : Ad
2024-01-24T21:06:35.422+05:30 INFO 1568 --- [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : Li
2024-01-24T21:06:35.643+05:30 INFO 1568 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : To
2024-01-24T21:06:35.661+05:30 INFO 1568 --- [ restartedMain] c.prog.SbtRegistrationApp2Application : St
2024-01-24T21:06:51.332+05:30 INFO 1568 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : In
2024-01-24T21:06:51.333+05:30 INFO 1568 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : In
2024-01-24T21:06:51.339+05:30 INFO 1568 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Co
2024-01-24T21:16:00.191+05:30 WARN 1568 --- [nio-8080-exec-2] o.a.c.util.SessionIdGeneratorBase : Cr
Hibernate: insert into user_dtls (address,dob,email,name,gender,password) values (?, ?, ?, ?, ?, ?)
Hibernate: insert into user_dtls (address,dob,email,name,gender,password) values (?, ?, ?, ?, ?, ?)
```

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigation: user\_dtls user\_dtls user\_dtls user\_dtls user\_dtls

SCHEMAS

Filter objects

student\_register

Tables

user\_dtls

Views

Stored Procedures

Functions

sys

SQL Additions:

1 • SELECT \* FROM student\_register.user\_dtls;

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

id	address	dob	email	name	gender	password
1	abvduafuyf	2024-01-06	abc@1223	manav	option1	abc
2	gwrugfsvjd	2024-01-03	bishu@1223	bishu	option1	123
3	gwrugfsvjd	2024-01-04	raj@gmail.com	raj	option1	123
4	gwrugfsvjd	2024-01-04	raj@gmail.com	raj	option1	123
5	gwrssafefqfakj	2024-01-01	dafbak@gmail.com	jaya	option2	12312
6	gwrssafefqfakj	2024-01-01	dafbak@gmail.com	jolly	option1	q32fd1
7	gwrssafefqfakj	2024-01-01	dafbak@gmail.com	jolly	option1	232424

Administration Schemas

Information

Table: user\_dtls

Columns:

- id int AI PK
- address varchar(255)
- dob varchar(255)
- email varchar(255)
- name varchar(255)
- gender varchar(255)
- password varchar(255)

Object Info Session

Action Output

#	Time	Action	Message	Duration / Fetch
3	21:17:06	SELECT * FROM student_register.user_dtls LIMIT 0, 1000	14 row(s) returned	0.000 sec / 0.000 sec
4	21:17:24	SELECT * FROM student_register.user_dtls LIMIT 0, 1000	14 row(s) returned	0.015 sec / 0.000 sec
5	21:22:35	SELECT * FROM student_register.user_dtls LIMIT 0, 1000	14 row(s) returned	0.000 sec / 0.000 sec
6	21:28:14	SELECT * FROM student_register.user_dtls LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
7	21:28:31	SELECT * FROM student_register.user_dtls LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
8	21:28:59	DROP TABLE 'student_register'.user_dtls	Running...	?

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigation: user\_dtls user\_dtls user\_dtls user\_dtls user\_dtls user\_dtls user\_dtls

SQL Additions: Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

SCHEMAS

Filter objects

student\_register

Tables

user\_dtls

Views

Stored Procedures

Functions

sys

Result Grid

	id	address	dob	email	fullname	gender	password
1	gwg	2024-01-10	manavratod561@gmail.com	manav	Male	4fdwg	

user\_dtls 2

Apply Revert Context Help Snippets

Information

Schema: student\_register

Object Info Session

Action Output

#	Time	Action	Message	Duration / Fetch
5	21:22:35	SELECT * FROM student_register.user_dtls LIMIT 0, 1000	14 row(s) returned	0.000 sec / 0.000 sec
6	21:28:14	SELECT * FROM student_register.user_dtls LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
7	21:28:31	SELECT * FROM student_register.user_dtls LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
8	21:28:59	DROP TABLE 'student_register'.user_dtls	0 row(s) affected	10.078 sec
9	21:29:31	SELECT * FROM student_register.user_dtls LIMIT 0, 1000	Error Code: 1146. Table 'student_register.user_dtls' doesn't exist	0.265 sec
10	21:34:31	SELECT * FROM student_register.user_dtls LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

eclipse-workspace - SBT-Registration-App-2/src/main/resources/application.properties - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

Problems Javadoc Declaration Console Progress Error Log

2024-01-24T21:33:09.477+05:30 INFO 7540 --- [ restartedMain] o.apache.catalina.core.StandardService : St

2024-01-24T21:33:09.478+05:30 INFO 7540 --- [ restartedMain] o.apache.catalina.core.StandardEngine : St

2024-01-24T21:33:09.632+05:30 INFO 7540 --- [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : In

2024-01-24T21:33:09.633+05:30 INFO 7540 --- [ restartedMain] w.s.c.ServletWebServerApplicationContext : Ro

2024-01-24T21:33:10.283+05:30 INFO 7540 --- [ restartedMain] o.hibernate.jpa.internal.util.LogHelper : HHI

2024-01-24T21:33:10.803+05:30 INFO 7540 --- [ restartedMain] org.hibernate.Version : HHI

2024-01-24T21:33:11.209+05:30 INFO 7540 --- [ restartedMain] o.h.c.internal.RegionFactoryInitiator : HHI

2024-01-24T21:33:12.160+05:30 INFO 7540 --- [ restartedMain] o.s.o.j.p.SpringPersistenceUnitInfo : No

2024-01-24T21:33:12.359+05:30 INFO 7540 --- [ restartedMain] com.zaxxer.hikari.HikariDataSource : Hil

2024-01-24T21:33:13.183+05:30 INFO 7540 --- [ restartedMain] com.zaxxer.hikari.pool.HikariPool : Hil

2024-01-24T21:33:13.187+05:30 INFO 7540 --- [ restartedMain] com.zaxxer.hikari.HikariDataSource : Hil

2024-01-24T21:33:16.723+05:30 INFO 7540 --- [ restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator : HHI

Hibernate: create table user\_dtls (id integer not null auto\_increment, address varchar(255), dob varchar(255)

2024-01-24T21:33:19.791+05:30 INFO 7540 --- [ restartedMain] j.LocalContainerEntityManagerFactoryBean : In

2024-01-24T21:33:20.514+05:30 WARN 7540 --- [ restartedMain] JpaBaseConfiguration\$JpaWebConfiguration : sp

2024-01-24T21:33:20.576+05:30 INFO 7540 --- [ restartedMain] o.s.b.a.w.s.WelcomePageHandlerMapping : Ad

2024-01-24T21:33:21.828+05:30 INFO 7540 --- [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : Li

2024-01-24T21:33:21.971+05:30 INFO 7540 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : To

2024-01-24T21:33:22.015+05:30 INFO 7540 --- [ restartedMain] c.prog.SbtRegistrationApp2Application : St

2024-01-24T21:34:00.674+05:30 INFO 7540 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : In

2024-01-24T21:34:00.675+05:30 INFO 7540 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : In

2024-01-24T21:34:00.677+05:30 INFO 7540 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Co

Hibernate: insert into user\_dtls (address,dob,email,fullname,gender,password) values (?, ?, ?, ?, ?, ?)