FSD-CAPSTONE PROJECT: Health Care Application.

Angular Part:-

List users:

```
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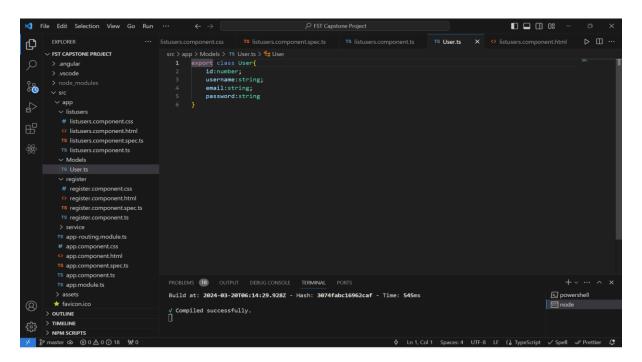
                                                                                           EXPLORER
    > .angular
                                <h2 style="color: □DodgerBlue;">Users List</h2>

                                         Id
UserName
Email

∨ Models

                                       {{u.id}}
{{u.id}}
      TS User.ts
                                         {{u.email}}
      > service
     TS app-routing.module.ts
     # app.component.css
      o app.component.html
      TS app.component.spec.ts
                          PROBLEMS 18 OUTPUT DEBUG CONSOLE TERMINAL PORTS
                                                                                                  ≥ powershell
                          Build at: 2024-03-20T06:14:29.928Z - Hash: 3074fabc16962caf - Time: 545ms
                          √ Compiled successfully.
```

List User:



Register component:

```
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      V FST CAPSTONE PROJECT (1/4 PT ひ 🗗 src > app > register > 0 register.component.html > ⊗ div.row > ⊗ div.col-6.offset-3 > ⊗ form.mt-3 > ⊗ button.btn.btn-primary.mt-3
        > .angular
                                                               <div class="col-6 offset-3">
                                                                    <h2 class="text-bg-primary p-2 text-center" style="color: DodgerBlue;">Registration Form</h2>
<form class="mt-3" (ngSubmit)="onSubmit()">
8
                                                                        ∨ app

√ listusers

           # listusers.component.css
                                                                     (\five-
\(div \class=\frac{\text{form-group"}}{\text{class=\frac{\text{color: } \begin{align*} DodgerBlue; "}\text{Email} \(/\label) \\
\text{cinput type=\frac{\text{email"}}{\text{class=\frac{\text{form-control" name=\text{email"}}}}\end{align*}
\]

           ∨ Models
                                                                      | [(ngModel)]="user.email">
</div
<div class="form-group">
</abel style="color: DodgerBlue;">Password</label>
<input type="password" class="form-control" name="password"
[(ngModel)]="user.password">
           TS User.ts
           ∨ register
            register.component.html
                                                                    TS app-routing.module.ts
          # app.component.css
                                                 PROBLEMS (18) OUTPUT DEBUG CONSOLE TERMINAL
                                                 Build at: 2024-03-20T06:14:29.928Z - Hash: 3074fabc16962caf - Time: 545ms
        * favicon.ico
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```

Service component:

```
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¬ FST CAPSTONE PROJECT 
¬ □ □ Src > app > service > TS userservice.service.service.spec.ts > ...

                       > .angular
                                                                                                                                                             import { UserserviceService } from './userservice.service';
 3
                                                                                                                                                               describe('UserserviceService', () => {
  let service: UserserviceService;
                                                                                                                                                                       beforeEach(() => {
   TestBed.configureTestingModule({});

    listusers.component.html

                                  TS listusers.component.spec.ts

∨ Models

                                                                                                                                                                       it('should be created', () => {
   expect(service).toBeTruthy();
                                 TS User.ts

√ register

                               TS app-routing.module.ts
                               # app.component.css
                                                                                                                                           PROBLEMS 23 OUTPUT DEBUG CONSOLE TERMINAL PORTS
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                             TS app.module.ts
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```

App Component:

```
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                           ◆ app.component.html X TS userservice.service.spec.ts
    EXPLORER
                                ∨ app
Se .
                                      TS listusers.component.ts
                                         <a class="nav-link" routerLink="register" style="color: □ DodgerBlue;">Register</a>
                                       DodgerBlue;">ListUsers
      # register.component.css
      ∨ service
      TS userservice.service.spec.ts
                                  <h6 style="color: □red;"> A healthcare application is a digital tool used on a mobile phone or tablet PC
                                  # app.component.css
      TS app.component.spec.ts
     > assets
     ★ favicon.ico
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App Component.spec.ts

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                                                               oregister.component.html TS app.module.ts TS app.component.spec.ts X TS app.component.ts
       EXPLORER

∨ FST CAPSTONE PROJECT

                                          1 import { TestBed } from '@angular/core/testing';
                                               import { RouterTestingModule } from '@angular/router/testing';
                                               import { AppComponent } from './app.component';
         listusers
 6
         TS listusers.component.spec.ts
                                          5 describe('AppComponent', () => {
         TS listusers.component.ts
                                                beforeEach(async () => {
                                                  await TestBed.configureTestingModule({
                                                    imports: [
         TS User.ts
                                                      RouterTestingModule
         ∨ register
          # register.component.css
                                                   declarations: [
          register.component.html
          TS register.component.spec.ts
                                                  }).compileComponents();
          TS register.component.ts
          TS userservice.service.spec.ts
                                                 const fixture = TestBed.createComponent(AppComponent);
         TS app-routing.module.ts
                                                  const app = fixture.componentInstance;
         # app.component.css
                                                  expect(app).toBeTruthy();
         o app.component.html
         TS app.component.ts
                                                  const fixture = TestBed.createComponent(AppComponent);
        TS app.module.ts
                                                  const app = fixture.componentInstance;
                                                 expect(app.title).toEqual('healthcare-frontend');
        favicon ico
                                        PROBLEMS 23 OUTPUT DEBUG CONSOLE TERMINAL PORTS
                                                                                                                                                         + v ... ^ x
        o index.html
                                        Build at: 2024-03-20T06:14:29.928Z - Hash: 3074fabc16962caf - Time: 545ms
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                                                                                                                                                   ₪ node
       # styles.css
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     > TIMELINE
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```

Backend Part in Eclipse:

User Controller:

```
phase 3 springboot - HealthCare/src/main/java/com/cisco/health/controller/UserController.java - Eclipse IDE
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                                                                                                                                                                                                   © UserService... ② UserReposito... ② VisitContro...  

Ø application... ② HealthCareAp... ② UserControl... Open Perspective
      ConsumerRest [boot] [devtools]
                                                                                                  3. import java.util.List;
      CRUDapp
                                                                                                    @CrossOrigin("http://localhost:4200")
@RestController
      ► HealthCare [boot] [devtools] [phase 20

> 35 > src/main/java

                       ♣ HealthCareApplication.java
            🔒 > UserController.java
                                                                                                                private UserService service;

    & com.cisco.health.entity

                  > & Category.java
> & Medicine.java
                                                                                                                            iic ResponseEntity<User> createUser(@RequestBody User user) {
   return new ResponseEntity<User> (service.addUser(user), HttpStatus.OK);
                   > 🔒 Order.java
            > 🖟 User.java

> 🔏 > com.cisco.health.repo
                                                                                                                public ResponseEntity<List<User>> getAll() {
    return new ResponseEntity<List<User>> (service.getAllUsers(), HttpStatus.OK);
                  > 🎎 > UserRepository.java

→ 
→ com.cisco.health.service
→ 
→ UserService.java
                                                                                                               @GetMapping("[id]")
public ResponseEntity<Object> getUserById(@PathVariable Integer id){
    User foundUser = service.getUserById(id);
    if(foundUser!=null)
        return new ResponseEntity<Object>(foundUser,HttpStatus.OK);
              > # > com.cisco.rest
                 templates
                                                                                                                                        return new ResponseEntity<Object>("No User found with Id" +id, HttpStatus.NOT_FOUND);
                  ♠ > src/test/java
            ■ JRF System Library [JavaSF-17]

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            mvnw.cmd
                                                                                           Hibernate: select u1_0.id,u1_0.email,u1_0.password,u1_0.username from user u1_0
Hibernate: select o1_0.user_id,o1_0.id,o1_0.date_time,o1_0.status,o1_0.total_price from order_table o1_0 where o1_0.user_id*
             🔒 pom.xml
      👺 junit1
```

Entity: Category, Medicine, Order and User.

```
phase 3 springboot - HealthCare/src/main/java/com/cisco/health/entity/Category.java - Eclipse IDE
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ConsumerRest [boot] [devtools]
                                                                                                                                                                                                                                      3*import java.util.List;
                                                                                                                                                                                                                                                                           @Id
@GeneratedValue(strategy = GenerationType.IDENTITY)
private Long id;
private String name;
@OneToMany(mappedBy = "category", cascade = CascadeType.ALL)
private List<Medicine> medicines;
public Long getId() {
    return id;
}
                                                                                                                                                                                                                                                                             public void setId(Long id) {
   this.id = id;
                                                                                                                                                                                                                                                                             public String getName() {
    return name;
                                                                                                                                                                                                                                                                             public void setName(String name) {
                                                                                                                                                                                                                                                                             public List<Medicine> getMedicines() {
    return medicines:
                                          templates
                                                                                                                                                                                                                                                                               public void setMedicines(List<Medicine> medicines) {
                            ■ JRE System Library [JavaSE-17]

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    mvnw.cmd

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Hibernate: select ol_0.user_id,ol_0.id,ol_0.date_time,ol_0.status,ol_0.total_price from order_table ol_0 where ol_0.user_id*
                 Smart Insert
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```

```
phase 3 springboot - HealthCare/src/main/java/com/cisco/health/entity/Medicine.java - Eclipse IDE
          3*import jakarta.persistence.Entity;

    ConsumerRest [boot] [devto
    CRUDapp
    FirstSpringbootApp [boot]

                                                                                                                                                    10 @Entity
11 public class Medicine {
             in > HealthCare (bo
               8Id
@GeneratedValue(strategy = GenerationType.IDENTITY)
private Long id;
private String name;
private double price;
private int quantity;
8ManyToone
                                                                                                                                                                                 @JoinColumn(name="category_id")
private Category category;
public Long getId() {
    return id;
}

    Category.java
    Medicine.java

| Wedicine.java | Wedicine.ja
                                                                                                                                                                                 public void setId(Long id) {
   this.id = id;
                                                                                                                                                                                  public String getName() {
   return name;
                      a src/main/resources
                                                                                                                                                                                  public void setName(String name) {
    this.name = name;
                       - Storic Manufesources
- Static
- templates
- application.properties
- src/test/java
- JRE System Library [JavaSE-17]
- Maven Dependencies
                                                                                                                                                                                  public double getPrice() {
   return price;
                                                                                                                                                                                  public void setPrice(double price) {
   this.price = price;
                       ≥ src
target
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   phase 3 springboot - HealthCare/src/main/java/com/cisco/health/entity/User.java - Eclipse IDE
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            □ CRUDapp

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           FirstSpringbootApp [boot] 11 2 @Entity
Sh > HealthCare [boot] [devtools] [phase 13 public class User {
             ∨ 3% > src/main/java
                                                                                                                                              15e 16 17 18 19 20 21e 22 23e 24 25 26e 27 28 29e 30 31 32e 33 34 35e 36 37 38e 39 40 41e 42 43 44e
                                                                                                                                                                                @Id
@GeneratedValue(strategy = GenerationType.IDENTITY)
private Long id;
private String username;
private String password;
private String email;
@OneToMany(mappedBy = "user",cascade = CascadeType.ALL)
private List<Order> orders;
public Long getId() {
    return id;
}

→ ♣ > com.cisco.health

                                > & HealthCareApplication.java

→ 
→ com.cisco.health.controller

→ 
→ SerController.java

→ 6 com.cisco.health.entity

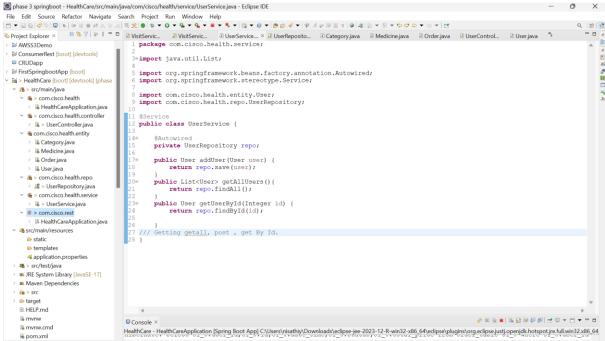
                                      & Category.java
& Medicine.java
                                       Order.iava
                       public void setId(Long id) {
    this.id = id;
                      > > UserRepository.java
* $\blue{\mathbf{n}}$ > com.cisco.health.service
                                                                                                                                                                                 public String getUsername() {
                                > 🔒 > UserService.java
                         > # > com cisco rest
                                                                                                                                                                                 public void setUsername(String username) {
   this.username = username;
                              public String getPassword() {
   return password;
                              templates
                                application.properties
                      > src/test/java
                                                                                                                                                                                  public void setPassword(String password) {
                       ■ JRE System Library [JavaSE-17]
                                                                                                                                                                                                     this.password = passw
                       Maven Dependencies
                                                                                                                                                                                 public String getEmail() {
   return email;
                    8m > src
                    public void setEmail(String email) {
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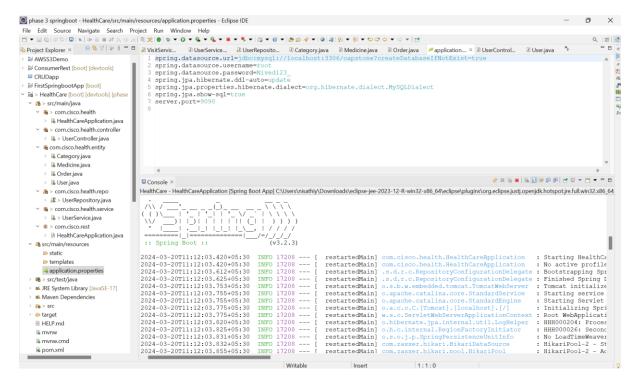
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Service:

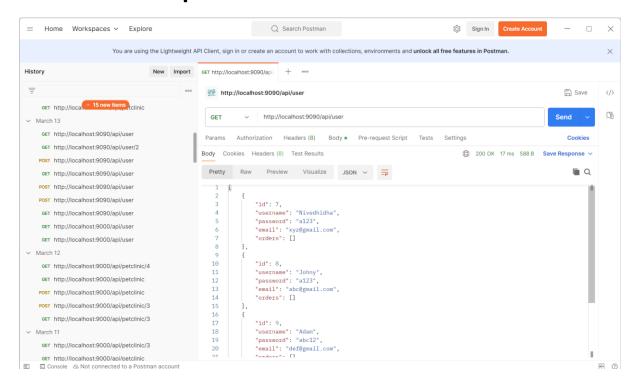


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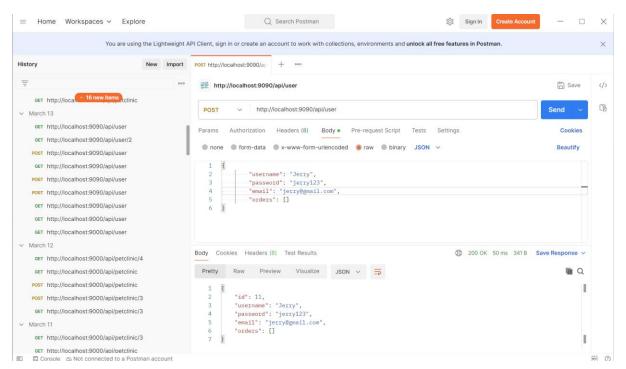
Application Properties:



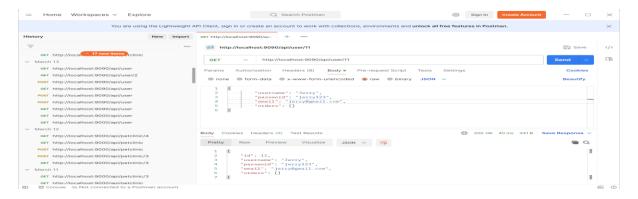
Get All API Response:



Post Object:



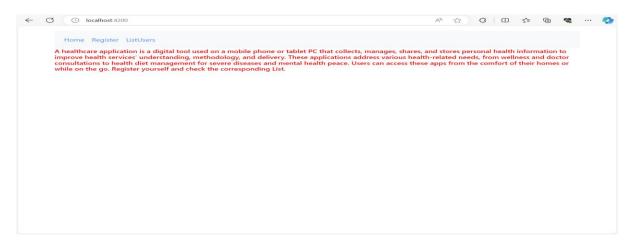
Get Object by Id:



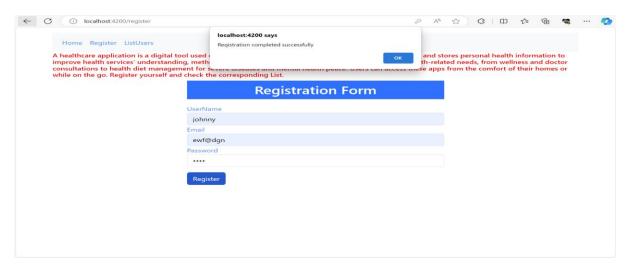
Database: Capstone.

Local Host Response:

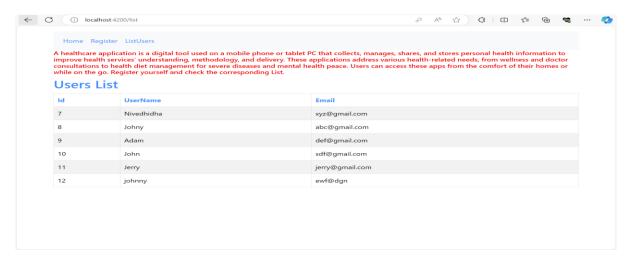
Output Screen.



Registration Screen.



UserList.



Jenkins Capstone Project:

