

User Side for Backend

The screenshot displays the Eclipse IDE interface for a project named "Capstone Project - MAadharApplication". The main editor shows the `MAadharApplication.java` file, which is a Spring Boot application. The code includes package declarations, imports for `SpringApplication`, `ComponentScan`, and `SpringBootApplication`, and a `main` method that runs the application.

```
1 package com.simplilearn.demo;
2
3 import org.springframework.boot.SpringApplication;
4
5
6
7 @ComponentScan("com.simplilearn.demo")
8 @SpringBootApplication
9 public class MAadharApplication {
10
11     public static void main(String[] args) {
12         SpringApplication.run(MAadharApplication.class, args);
13     }
14
15 }
16
```

The Project Explorer on the left shows the project structure, including the `src/main/java/com/simplilearn/demo` package and its sub-packages (`entity`, `repo`, `service`), as well as `resources` and `test` directories.

The Console window at the bottom shows the output of the application startup, including logs from the `WebApplicationContext`, `LogHelper`, `hibernate`, `HikariDataSource`, and `TomcatWebServer`. The logs indicate that the application started successfully on port 8082.

```
MAadharApplication [Java Application] [pid: 16824]
2022-10-13 12:33:52.998 INFO 16824 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization c
2022-10-13 12:33:53.272 INFO 16824 --- [main] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [n
2022-10-13 12:33:53.338 INFO 16824 --- [main] org.hibernate.Version : HHH000412: Hibernate ORM core version 5.6.8.
2022-10-13 12:33:53.584 INFO 16824 --- [main] o.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations {
2022-10-13 12:33:53.704 INFO 16824 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2022-10-13 12:33:54.228 INFO 16824 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2022-10-13 12:33:54.256 INFO 16824 --- [main] org.hibernate.dialect.Dialect : HHH000400: Using dialect: org.hibernate.dial
2022-10-13 12:33:55.503 INFO 16824 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000490: Using JtaPlatform implementation:
2022-10-13 12:33:55.517 INFO 16824 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for per
2022-10-13 12:33:56.109 WARN 16824 --- [main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default
2022-10-13 12:33:57.094 INFO 16824 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8082 (http) with
2022-10-13 12:33:57.129 INFO 16824 --- [main] com.simplilearn.demo.MAadharApplication : Started MAadharApplication in 6.371 seconds
```

Backend Operation for apply aadhar

The screenshot displays the Postman application interface. At the top, there's a navigation bar with 'Home', 'Workspaces', and 'Explore' options, along with a search bar and user account links. Below this, a yellow banner indicates 'Working locally in Scratch Pad. Switch to a Workspace'. The left sidebar contains a 'Scratch Pad' section with 'New' and 'Import' buttons, and a 'Collections' list. The main workspace shows a POST request to 'localhost:8082/api/user/'. The request body is a JSON object:

```
{  "name": "kavi",  "address": "23,sai saran avenue Annan Nagar",  "email": "kavi@gmail.com",  "gender": "Female"}
```

. The response is also in JSON format:

```
{  "id": 1,  "name": "kavi",  "address": "23,sai saran avenue Annan Nagar",  "email": "kavi@gmail.com",  "gender": "Female"}
```

. The status bar at the bottom shows 'Status: 201 Created', 'Time: 632 ms', and 'Size: 278 B'. The Windows taskbar at the very bottom shows the date as 13-10-2022 and the time as 12:45.

Home Workspaces Explore Search Postman Sign In Create Account

Working locally in Scratch Pad. Switch to a Workspace

Scratch Pad New Import

Collections +

- New Collection
- New Collection
- New Collection

APIs

Environments

Mock Servers

Monitors

History

localhost:8082/api/user/ Save

POST localhost:8082/api/user/ Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "name": "kavi",
3   "address": "23,sai saran avenue Annan Nagar",
4   "email": "kavi@gmail.com",
5   "gender": "Female"
6 }
```

Body Cookies Headers (5) Test Results Status: 201 Created Time: 632 ms Size: 278 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "name": "kavi",
4   "address": "23,sai saran avenue Annan Nagar",
5   "email": "kavi@gmail.com",
6   "gender": "Female"
7 }
```

Find and Replace Console Runner Trash

90°F Cloudy ENG IN 12:45 13-10-2022

Edit/update Aadhar details Like name email address gender

Working locally in Scratch Pad. Switch to a Workspace

Scratch Pad

New Import

Collections

APIs

Environments

Mock Servers

Monitors

History

- > New Collection
- > New Collection
- > New Collection

localhost:8082/api/user/1

Save

Send

PUT localhost:8082/api/user/1

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON

Beautify

```
1 {
2   "name": "kavi",
3   "address": "XYZ Street",
4   "email": "kavi@gmail.com",
5   "gender": "Female"
6 }
```

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 102 ms Size: 258 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "name": "XYZ Street",
4   "address": "XYZ Street",
5   "email": "kavi@gmail.com",
6   "gender": "Female"
7 }
```

Find and Replace Console

Runner Trash

90°F Cloudy



ENG IN 12:49 13-10-2022

Delete Duplicate Aadhar or delete my apply process (kavi has to delete her details)

The screenshot displays the Postman application interface. At the top, there's a navigation bar with 'Home', 'Workspaces', and 'Explore' options. A search bar labeled 'Search Postman' is present. On the right, there are links for 'Sign In' and 'Create Account'. Below this, a yellow banner indicates 'Working locally in Scratch Pad. Switch to a Workspace'.

The main interface is divided into several sections. On the left, the 'Scratch Pad' sidebar shows a list of collections, APIs, environments, mock servers, monitors, and history. The central area shows a REST client interface for a DELETE request to 'localhost:8082/api/user/2'. The request body is a JSON object:

```
{  "name": "kavin",  "address": "XYZ Street",  "email": "kavin@gmail.com",  "gender": "Male"}
```

The response status is '200 OK' with a time of '44 ms' and a size of '178 B'. The response body is 'Object Deleted'.

At the bottom, there's a system tray showing the weather (90°F Cloudy), taskbar icons, and system clock (12:54, 13-10-2022).

View My details My aadhar details is approved or not

Home Workspaces ▾ Explore

Search Postman

Sign In Create Account

Working locally in Scratch Pad. Switch to a Workspace

Scratch Pad New Import

Collections +

APIs

Environments

Mock Servers

Monitors

History

localhost:8082/api/user/3

GET localhost:8082/api/user/3

Params Authorization Headers (8) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

1
2
3
4
5
6

```
{  "name": "kavi",  "address": "xyz street",  "email": "kavi@gmail.com",  "gender": "Female"}
```

Body Cookies Headers (5) Test Results

Status: 302 Found Time: 21 ms Size: 255 B Save Response

Pretty Raw Preview Visualize JSON

```
1  { 2  "id": 3, 3  "name": "kavi", 4  "address": "xyz street", 5  "email": "kavi@gmail.com", 6  "gender": "Female" 7 }
```

90°F Cloudy

Runner Trash

ENG IN 13:02 13-10-2022

User Details stored in Databases

```
MySQL 8.0 Command Line Client
+-----+
| mywork |
| performance_schema |
| productrecord |
| quiz_app |
| restful |
| restful_webservice |
| sakila |
| student |
| sys |
| world |
+-----+
21 rows in set (0.06 sec)

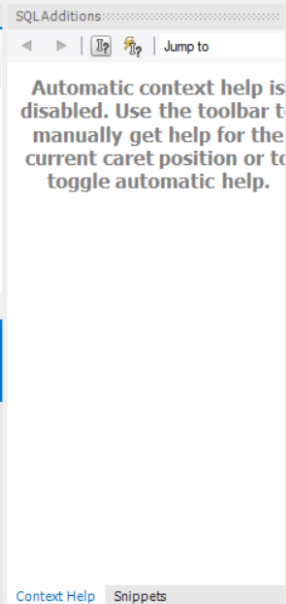
mysql> use aadhar;
Database changed
mysql> show tables;
+-----+
| Tables_in_aadhar |
+-----+
| user |
+-----+
1 row in set (0.03 sec)

mysql> select * from user;
+-----+-----+-----+-----+-----+
| id | address | email | gender | name |
+-----+-----+-----+-----+-----+
| 1 | xyz street | kavi@gmail.com | Female | xyz street |
| 3 | xyz street | kavi@gmail.com | Female | kavi |
+-----+-----+-----+-----+-----+
2 rows in set (0.03 sec)

mysql> drop tables;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1
mysql> drop table user;
Query OK, 0 rows affected (0.09 sec)

mysql> select * from user;
+-----+-----+-----+-----+-----+
| id | address | email | gender | name |
+-----+-----+-----+-----+-----+
| 1 | xyz street | kavi@gmail.com | Female | kavi |
| 2 | abc street | kavin@gmail.com | Male | kavin |
| 3 | pqrs street | sai@gmail.com | Male | sai |
| 4 | vrs street | vs@gmail.com | Male | vishnu |
+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql>
```



FrontEnd Operation

MAadharApp

localhost:4200/form

Welcome to MAadhar App

[Admin Login](#) [View All User Details](#) [Apply new Aadhar Card](#)

Login

Email

Email is required and Can't Be Empty

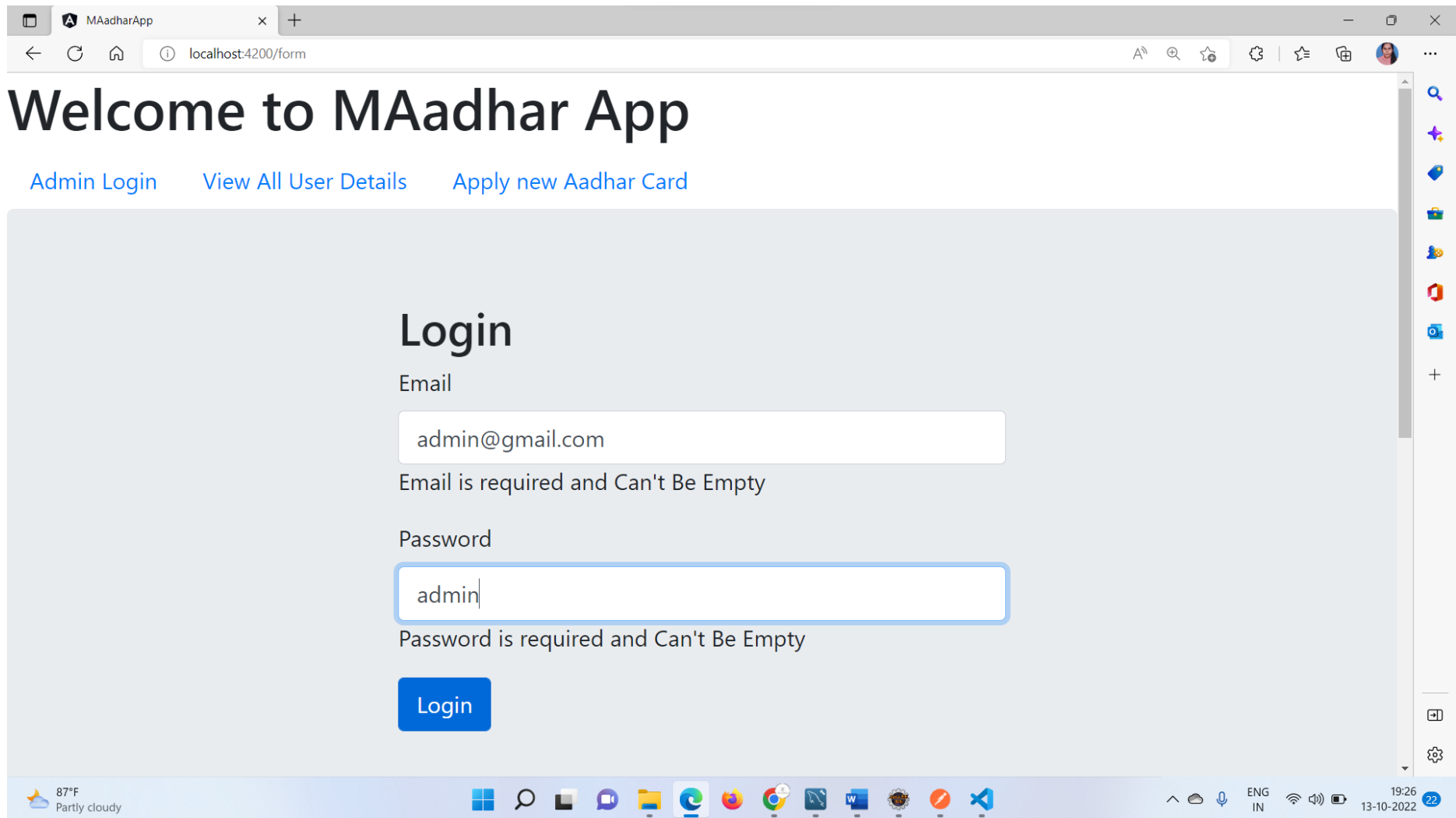
Password

Password is required and Can't Be Empty

Login

87°F Partly cloudy

19:25 13-10-2022



User can Apply New Aadhar

MAadharApp

localhost:4200/form

Welcome to MAadhar App

[Admin Login](#) [View All User Details](#) [Apply new Aadhar Card](#)

Name





























Address

Email

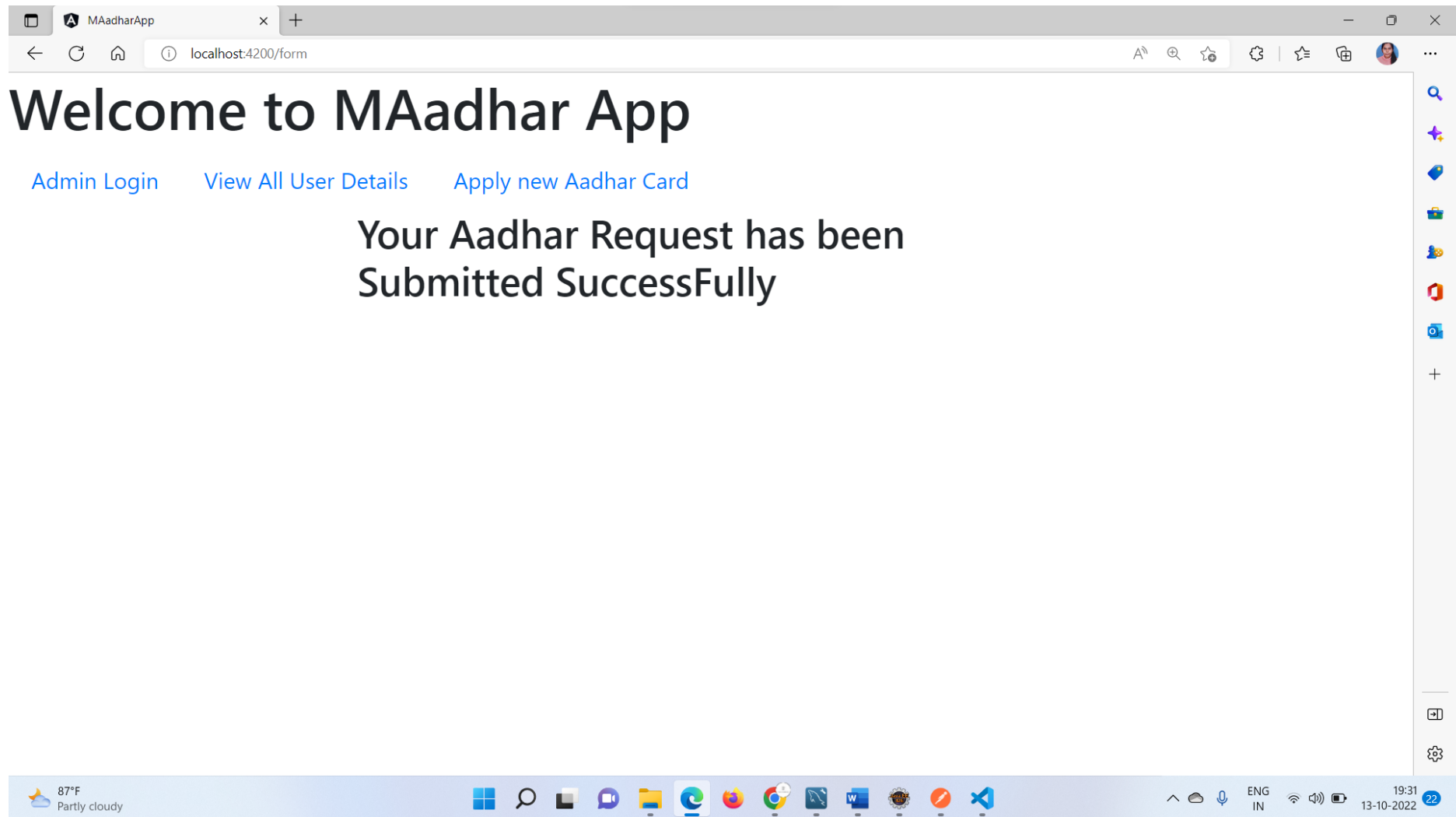
Gender

Apply

87°F
Partly cloudy



The image is a screenshot of a web browser displaying the MAadhar App interface. The browser's address bar shows 'localhost:4200/form'. The page has a white background with a large heading 'Welcome to MAadhar App' in black. Below the heading are three blue links: 'Admin Login', 'View All User Details', and 'Apply new Aadhar Card'. The form consists of four labeled input fields: 'Name' with the value 'Ammu', 'Address' with the value 'Anna Nagar, chennai', 'Email' with the value 'ammu@gmail.com', and 'Gender' with the value 'Female'. The 'Gender' field is currently selected, indicated by a blue border. A green 'Apply' button is positioned below the form fields. The browser's taskbar at the bottom shows various application icons, including Windows, Edge, and several other programs. The system tray on the right indicates the temperature is 87°F, the weather is 'Partly cloudy', and the time is 19:31 on 13-10-2022.



Data Stored in Backend

HomeWorkspacesExplore

Search Postman

Sign InCreate Account

Working locally in Scratch Pad. Switch to a Workspace

Scratch Pad

NewImport

Collections

APIs

Environments

Mock Servers

Monitors

History

localhost:8082/api/user/7

PUTlocalhost:8082/api/user/7

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettings

noneform-datax-www-form-urlencodedrawbinaryGraphQLJSON

123456

```
1{
2  "name": "Ammu",
3  "address": "pqrs street",
4  "email": "ammu@gmail.com",
5  "gender": "Female"
6}
```

BodyCookiesHeaders (8)Test Results

Status: 200 OKTime: 1275 msSize: 342 BSave Response

PrettyRawPreviewVisualizeJSON

1234567

```
1{
2  "id": 7,
3  "name": "Ammu",
4  "address": "pqrs street",
5  "email": "ammu@gmail.com",
6  "gender": "Female"
7}
```

Find and ReplaceConsole

87°FCloudy

WindowsTaskbarIcons

RunnerTrash

ENG IN19:4413-10-202222

×

New Import

New Import

< Unti ● GET loca ● GET loca ● GET loca ● DEL loca ● GET loca ● GET loca ● POST loc ● POST loc ● GET loca ● > + ...

No Environment

Save



</p>

Send

Cookies

Beautify

 Status: 302 Found Time: 48 ms Size: 345 B [Save Response](#) 

Admin can view all user details

MAadharApp

localhost:4200/users

Welcome to MAadhar App

[Admin Login](#) [View All User Details](#) [Apply new Aadhar Card](#)

User List Details

Id	Name	Address	Email	Gender	Actions
2	kavin	abc street	kavin@gmail.com	Male	<button>Approve</button> <button>Delete</button>
3	sai	pqrs street	sai@gmail.com	Male	<button>Approve</button> <button>Delete</button>
4	vishnu	vrs street	vs@gmail.com	Male	<button>Approve</button> <button>Delete</button>
5	mithu	mxy street	mi@gmail.com	Male	<button>Approve</button> <button>Delete</button>
7	Ammu	pqrs street	ammu@gmail.com	Female	<button>Approve</button> <button>Delete</button>

87°F Cloudy

ENG IN 19:45 13-10-2022

Admin can approved their request

MAadharApp

localhost:4200/users

[Admin Login](#) [View All User Details](#) [Apply new Aadhar Card](#)

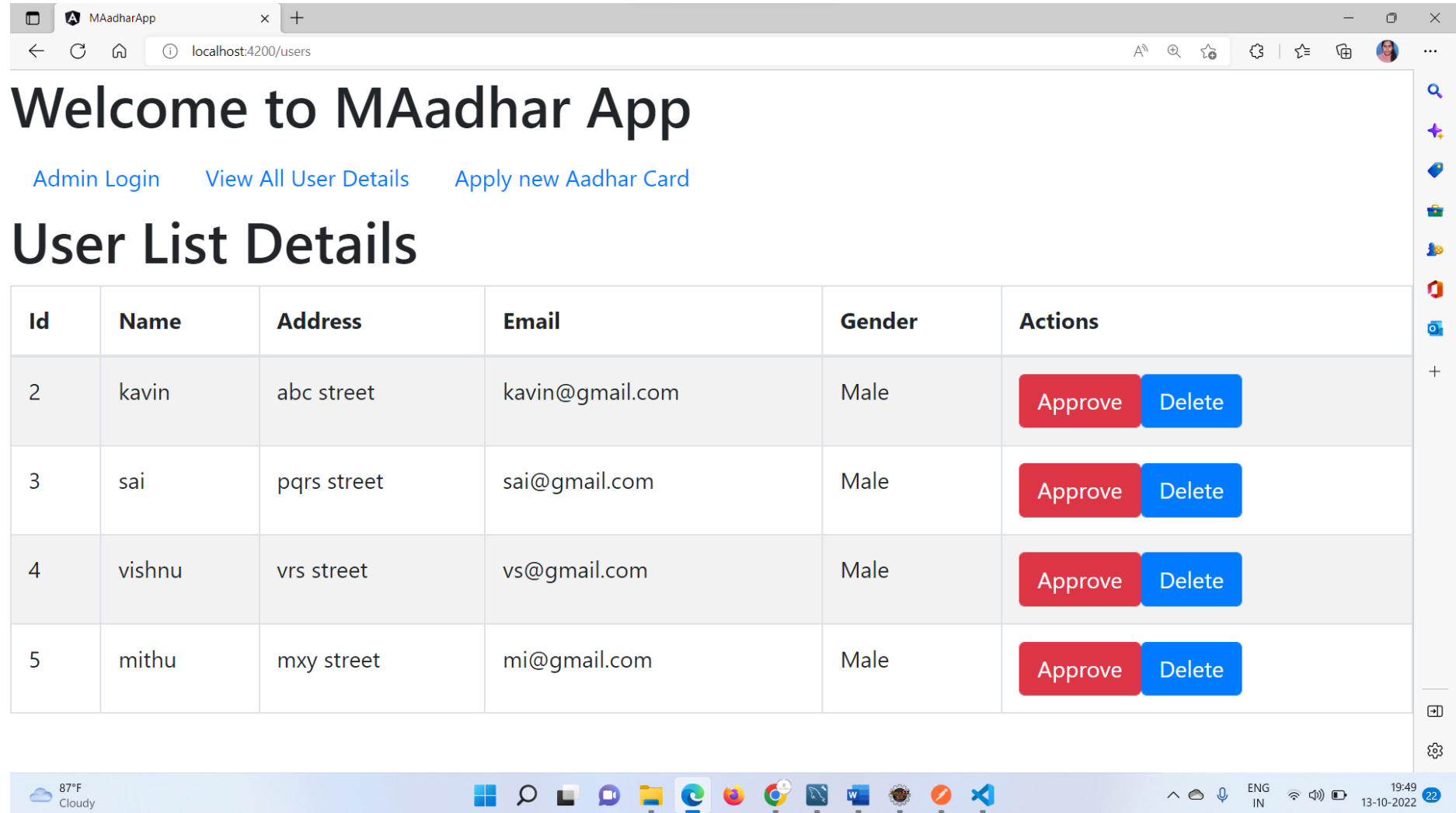
User List Details

Id	Name	Address	Email	Gender	Actions
2	kavin	abc street	kavin@gmail.com	Male	<button>Approve</button> <button>Delete</button>
3	sai	pqrs street	sai@gmail.com	Male	<button>Approve</button> <button>Delete</button>
4	vishnu	vrs street	vs@gmail.com	Male	<button>Approve</button> <button>Delete</button>
5	mithu	mxy street	mi@gmail.com	Male	<button>Approve</button> <button>Delete</button>
7	Ammu	pqrs street	ammu@gmail.com	Female	<button>Approve</button> <button>Delete</button>

87°F
Cloudy

ENG
IN 19:46
13-10-2022

Admin can delete their user request(id=7)



HomeWorkspacesExplore

Search Postman

Sign In

Create Account

Working locally in Scratch Pad. Switch to a Workspace

Scratch Pad

NewImport

UntilGET locaGET locaGET locaDEL locaGET locaGET locaPOST locPOST locGET loca

No Environment

Collections

APIs

Environments

Mock Servers

Monitors

History

localhost:8082/api/user/7

Save

Send

DELETElocalhost:8082/api/user/7

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettings

noneform-datax-www-form-urlencodedrawbinaryGraphQLJSON

123456

```
1 {
2   ... "name": "Ammu",
3   ... "address": "pqrs-street",
4   ... "email": "ammu@gmail.com",
5   ... "gender": "Female"
6 }
```

BodyCookiesHeaders (8)Test Results

Status: 404 Not FoundTime: 46 msSize: 273 BSave Response

PrettyRawPreviewVisualizeText

1 NO user Found

Find and ReplaceConsole

RunnerTrash

87°F Cloudy

Windows Taskbar Icons

ENG IN

19:50 13-10-2022

Testing

The image shows a web browser window with two tabs. The active tab is titled "Test Results Report" and displays a "Test Results Report" page. The browser's address bar shows the URL "C:/Users/Eshwar/Phase%203/CapstoneProject/test-output/html/index.html".

On the left side of the browser window, there is a sidebar with the heading "Test Results Report" and a link "Overview". Below this, there is a table with two rows: "Suite" and "Test". The "Test" row has a green checkmark next to it.

The main content area of the browser window displays the heading "Test" and the text "Test duration: 21.471s". Below this, there is a table with the heading "Passed Tests". The table has two columns: the first column lists the test names, and the second column lists the test durations. The test names are "com.demo.main.CapstoneTest", "admin", "loginTest", and "registerTest". The durations are "5.364s", "3.239s", and "6.022s" respectively.

Passed Tests	
com.demo.main.CapstoneTest	
admin	5.364s
loginTest	3.239s
registerTest	6.022s

Test Results Report

Test Results Report

Overview

Suite

Test

Test Results Report

Generated by [TestNG](#) with [ReportNG](#) at 19:43 IST on Thursday 13 October 2022
Eshwar@DESKTOP-S81C7U / Java 17.0.4 (Eclipse Adoptium) / Windows 11 10.0 (amd64)

Suite	Duration	Passed	Skipped	Failed	Pass Rate
Test	21.471 s	3	0	0	100%
Total		3	0	0	100%

Capstone Project - MAadharTesting/src/test/java/com/example/demo/MAadharTest.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- MAadharApplication [boot]
- src/main/java
 - com.simplilearn.demo
 - AdminController.java
 - MAadharApplication.java
 - UserController.java
 - com.simplilearn.demo.entity
 - Admin.java
 - User.java
 - com.simplilearn.demo.repo
 - AdminRepo.java
 - UserRepo.java
 - com.simplilearn.demo.service
 - AdminService.java
 - UserService.java
- src/main/resources
- src/test/java
 - com.example.demo
 - MAadharApplicationTests.java
- JRE System Library [JavaSE-11]
- Maven Dependencies
- src
- target
 - HELP.md
 - mvnw
 - mvnw.cmd
 - pom.xml

MAadharTesting

- src/main/java
 - com.example.demo
- src/test/java
 - com.example.demo
 - MAadharTest.java
- JRE System Library [JavaSE-11]
- Maven Dependencies
- src
- target

MAadharTest.java

```
2
3*import org.openqa.selenium.By;
9
10 Run All
11 public class MAadharTest
12 {
13     WebDriver driver;
14
15     @Test
16     Run | Debug
17     public void MAadhar() {
18         driver.get("http://localhost:4200/");
19         driver.findElement(By.id("email")).sendKeys("kavi@gmail.com");
20         driver.findElement(By.id("pass")).sendKeys("kavi@123");
21         driver.findElement(By.name("login")).submit();
22     }
23
24     public void ApplyNewAadhar() {
25         driver.get("http://localhost:4200/");
26         driver.findElement(By.id("name")).sendKeys("kavi@gmail.com");
27         driver.findElement(By.id("address")).sendKeys("xyz street");
28         driver.findElement(By.id("email")).sendKeys("kavi@123");
29         driver.findElement(By.id("gender")).sendKeys("Female");
30         driver.findElement(By.name("apply")).submit();
31     }
32
33     @BeforeMethod
34     public void beforeMethod() {
35         System.setProperty("webdriver.chrome.driver", "D:\\\\Phase 5\\\\SeleniumJarFiles\\\\\\ch
36         driver=new ChromeDriver();
37     }
38
39     @AfterMethod
40     public void afterMethod() {
41         // driver.close();
42         driver=null;
43     }
44 }
```

Outline

- com.example.demo
- MAadharTest
 - driver: WebDriver
 - MAadhar(): void
 - ApplyNewAadhar(): void
 - beforeMethod(): void
 - afterMethod(): void

Markers Properties Servers Data Source Explorer Snippets Terminal Console Results of running class MAadharTest

<terminated> MAadharTest [TestNG] C:\Program Files\Java\jdk-11.0.15\bin\javaw.exe (14-Oct-2022, 10:58:16 AM - 10:58:17 AM) [pid: 25920]

[RemoteTestNG] detected TestNG version 7.5.0

83°F Mostly cloudy

10:59 14-10-2022