

# 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 `WebApplicationContext`, `LogHelper`, `hibernate`,  `HikariDataSource`, and `TomcatWebServer`. 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 is '201 Created' with a time of '632 ms' and size of '278 B'. The bottom of the screen shows a Windows taskbar with various application icons and system information like '90°F Cloudy' and '12:45 13-10-2022'.

## Edit/update Aadhar details Like name email address gender

HomeWorkspacesExplore

Search Postman

Sign InCreate Account

Working locally in Scratch Pad. Switch to a Workspace

Scratch Pad

NewImport

UntlGET locaGET locaGET locaDEL locaGET locaGET locaPOST locPOST locPUT loca

Collections

+

Environments

Mock Servers

Monitors

History

localhost:8082/api/user/1

Save

Send

PUTlocalhost:8082/api/user/1

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettings

noneform-datax-www-form-urlencoderawbinaryGraphQLJSON

123456

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

BodyCookiesHeaders (5)Test Results

Status: 200 OKTime: 102 msSize: 258 BSave Response

PrettyRawPreviewVisualizeJSON

1234567

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

Find and ReplaceConsole

RunnerTrash

90°F Cloudy

Windows Taskbar Icons

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 three sections. On the left is the 'Scratch Pad' sidebar with icons for Collections, APIs, Environments, Mock Servers, Monitors, and History. The middle section shows a list of requests with tabs for 'Unti', 'GET loca', 'GET loca', 'GET loca', 'DEL loca', 'GET loca', 'GET loca', 'POST loc', 'POST loc', and 'DEL loca'. The selected request is 'DELETE localhost:8082/api/user/2'. The 'Body' tab is active, showing a JSON payload:

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

The bottom section shows the response details. The status is '200 OK', time is '44 ms', and size is '178 B'. The response body is 'Object Deleted'.

The Windows taskbar at the bottom shows the system clock as 12:54 on 13-10-2022, along with various application icons and a weather widget indicating 90°F and Cloudy.

## 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

Send

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

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

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

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 }
```

Find and Replace Console

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

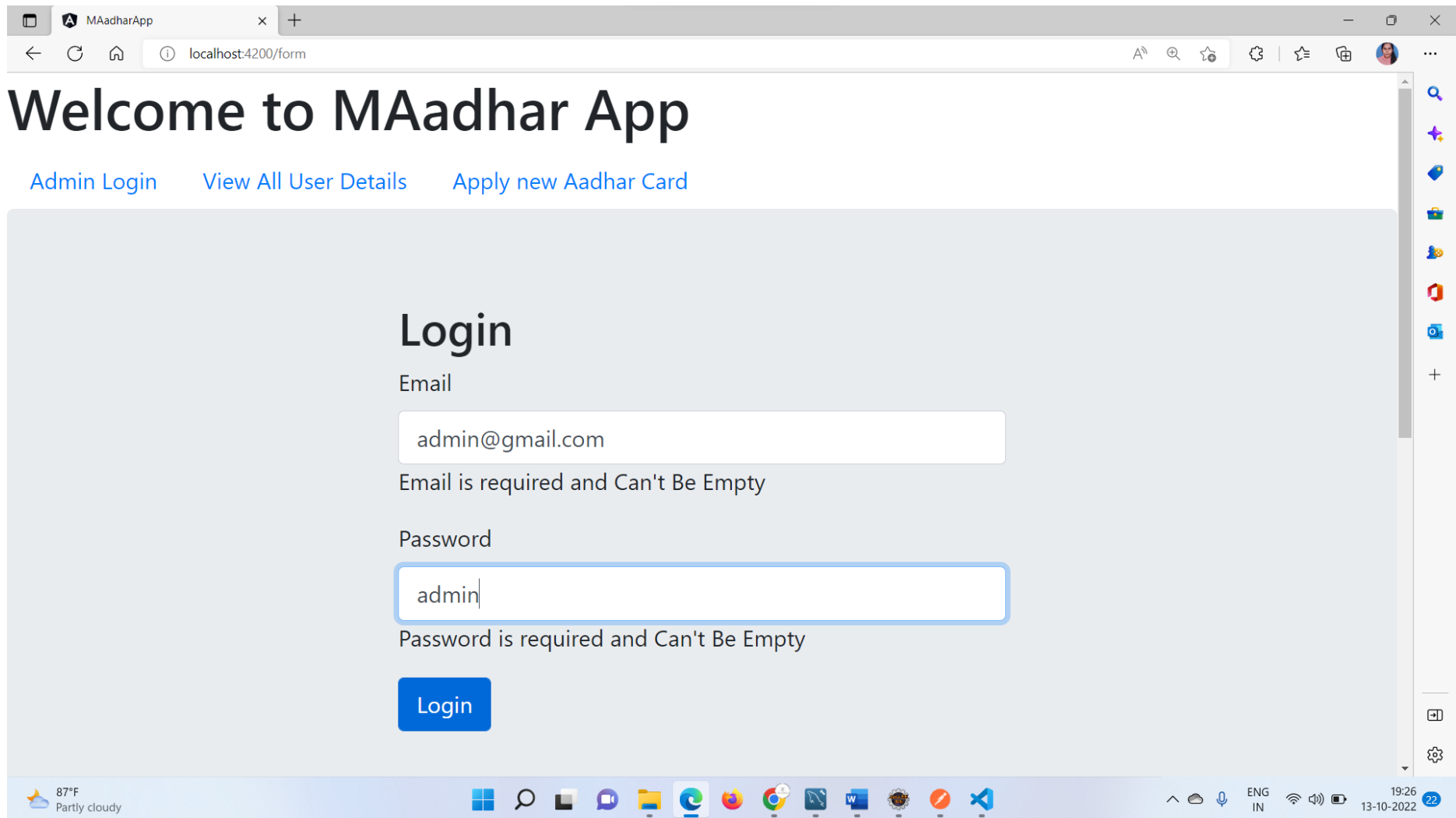
Password is required and Can't Be Empty

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



ENG  
IN

19:29  
13-10-2022

## Edit the User details

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

🪟

🔍

📄

💬

📁

🌐

🔥

🌐

📝

📊

🎮

🔧

🔴

🔵

ENG  
IN

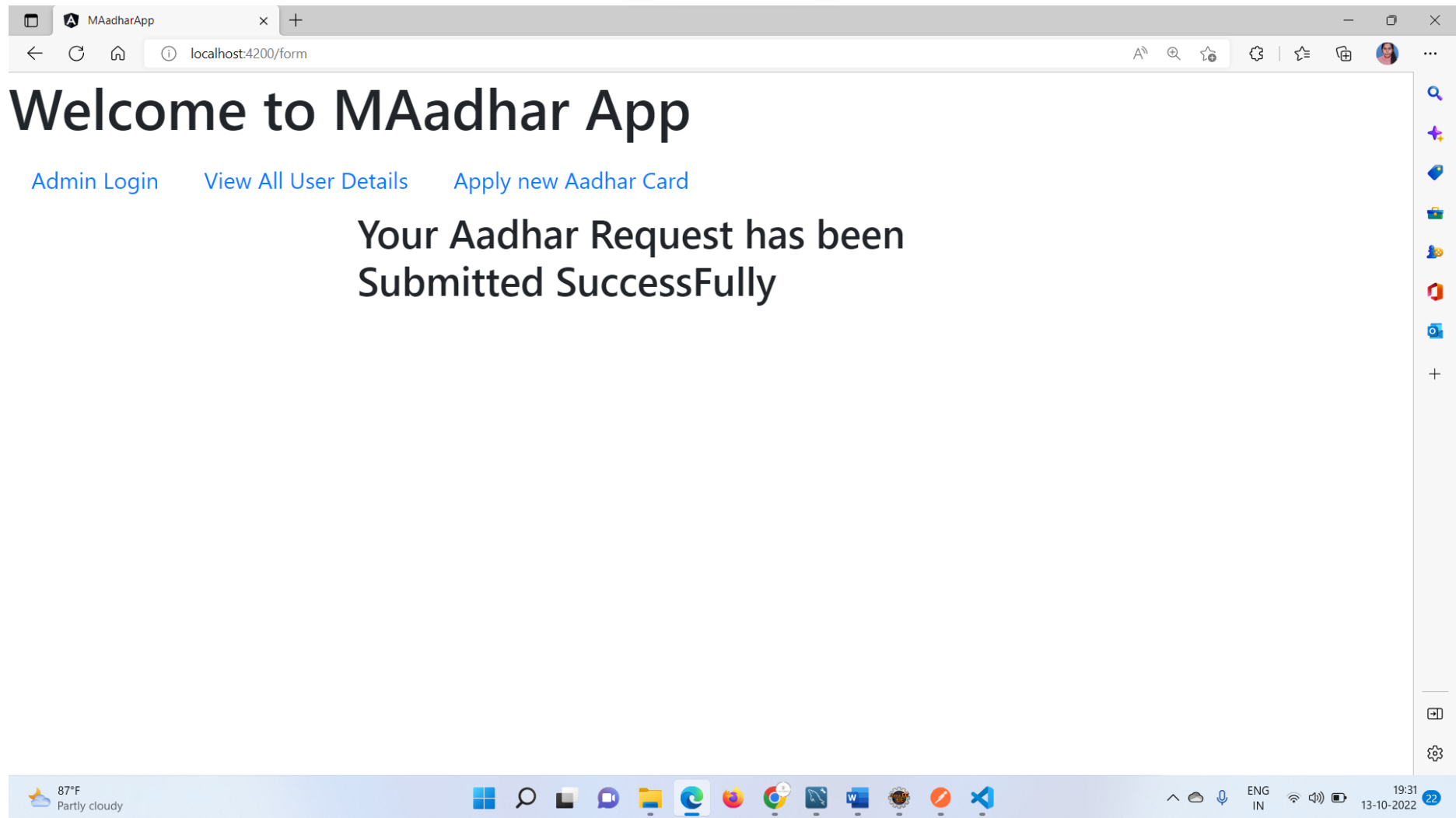
📶

🔊

🔋

19:31  
13-10-2022

22



**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

```
{  "name": "Ammu",  "address": "pqrs street",  "email": "ammu@gmail.com",  "gender": "Female"}
```

BodyCookiesHeaders (8)Test Results

Status: 200 OKTime: 1275 msSize: 342 BSave Response

PrettyRawPreviewVisualizeJSON

1234567

```
{  "id": 7,  "name": "Ammu",  "address": "pqrs street",  "email": "ammu@gmail.com",  "gender": "Female"}
```

Find and ReplaceConsole

87°FCloudy

WindowsTaskbarIcons

RunnerTrash

ENG IN19:4413-10-202222

HomeWorkspacesExplore

Search Postman

Sign In

Create 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

Save

Send

GETlocalhost:8082/api/user/7

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettings

noneform-datax-www-form-urlencodedrawbinaryGraphQLJSON

123456

name: "Ammu",  
address: "pqrs-street",  
email: "ammu@gmail.com",  
gender: "Female"

BodyCookiesHeaders (8)Test Results

Status: 302 FoundTime: 48 msSize: 345 BSave Response

PrettyRawPreviewVisualizeJSON

1234567

{  
 "id": 7,  
 "name": "Ammu",  
 "address": "pqrs street",  
 "email": "ammu@gmail.com",  
 "gender": "Female"  
}

Find and ReplaceConsole

RunnerTrash

87°F Cloudy

Windows Taskbar Icons

ENG IN

19:45 13-10-2022

## 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

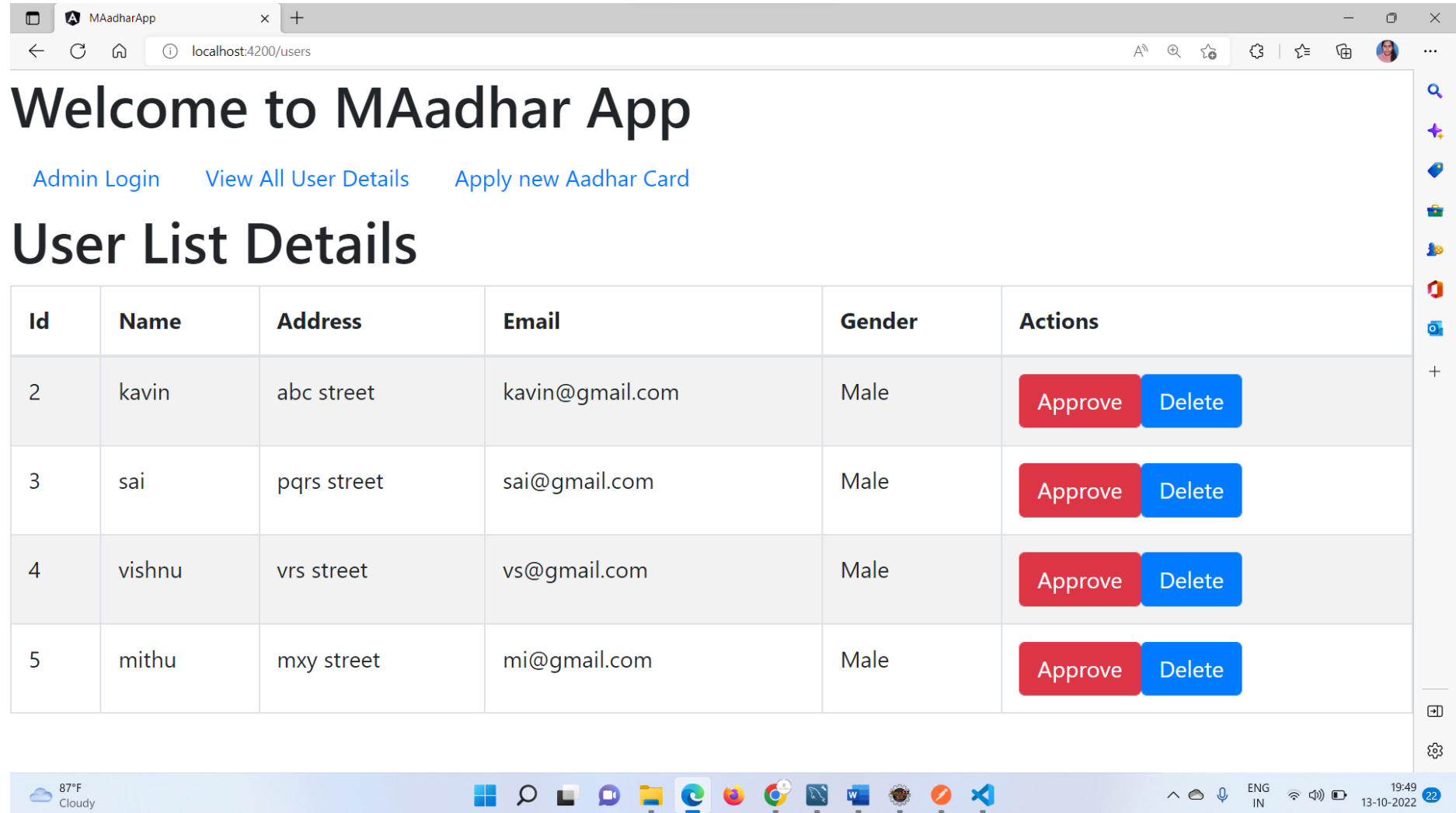
Id	Name	Address	Email	Gender	Actions
2	kavin	abc street	kavin@gmail.com	Male	<button>Approve</button> <button>Delete</button>
3	sai	pqrs street	sai@gmail.com	Male	<button>Approve</button> <button>Delete</button>
4	vishnu	vrs street	vs@gmail.com	Male	<button>Approve</button> <button>Delete</button>
5	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 InCreate Account

Working locally in Scratch Pad. Switch to a Workspace

Scratch Pad

NewImport

UntiGET 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

DELETE

localhost:8082/api/user/7

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: "Ammu",

address: "pqrs-street",

email: "ammu@gmail.com",

gender: "Female"

Body

Cookies

Headers (8)

Test Results

Status: 404 Not Found

Time: 46 ms

Size: 273 B

Save Response

Pretty

Raw

Preview

Visualize

Text

1

NO user Found

Find and Replace

Console

Runner

Trash

87°F

Cloudy

Windows Taskbar

ENG IN

19:50

13-10-2022

## Testing

[illegible]

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