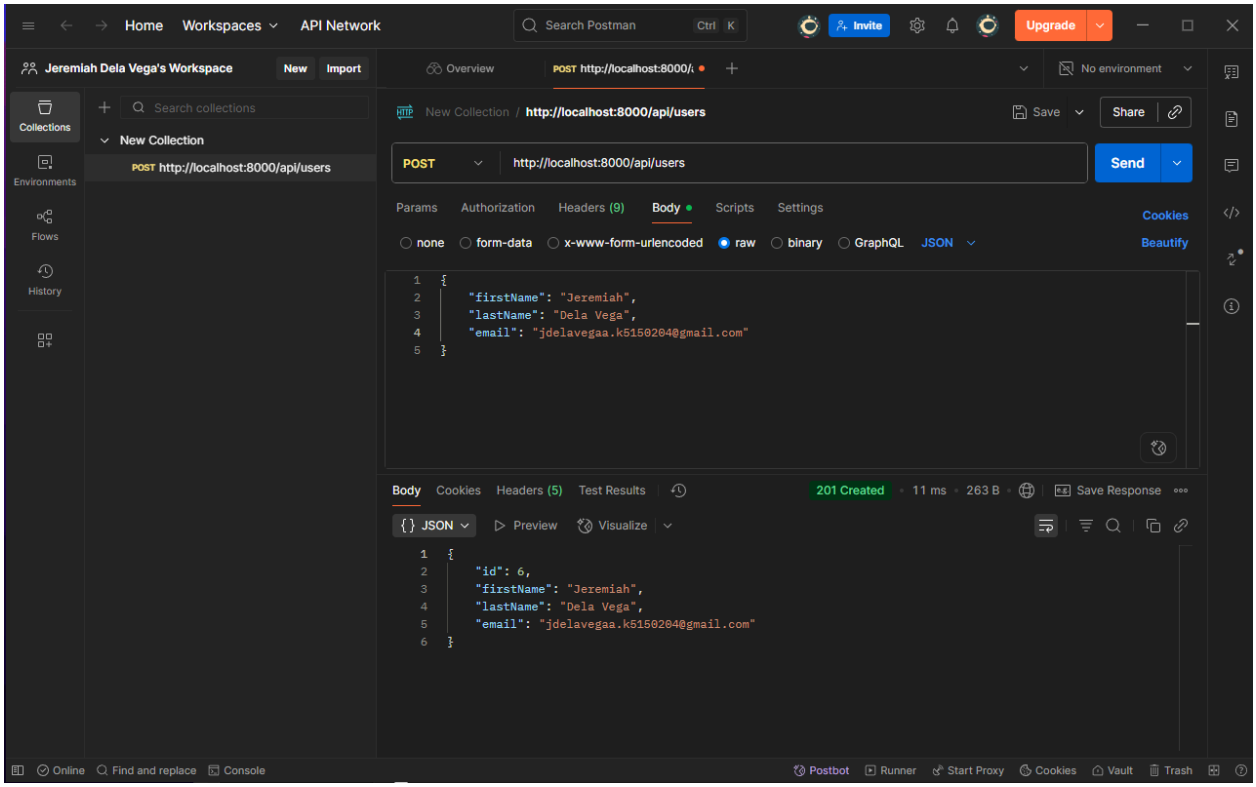
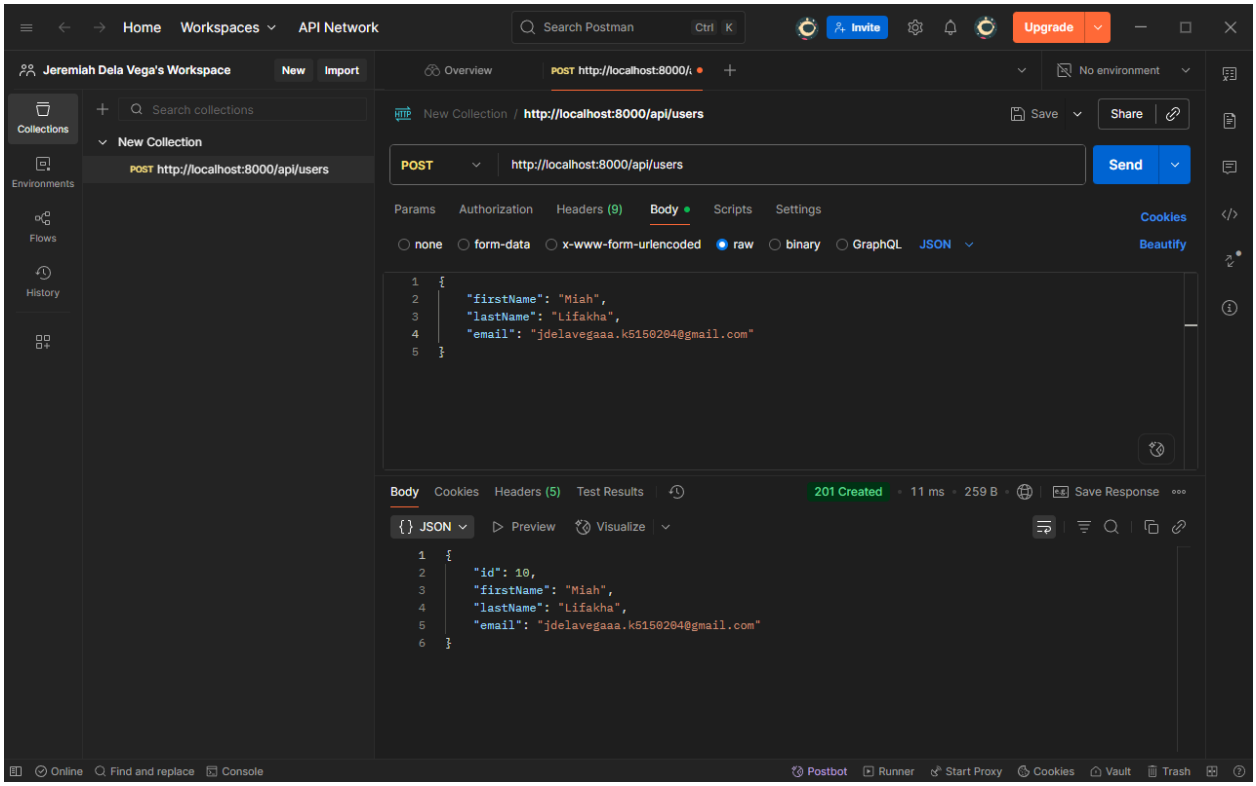
Jeremiah Dela Vega
IV-BCSAD
Elective 3: Assignment 1 - REST API

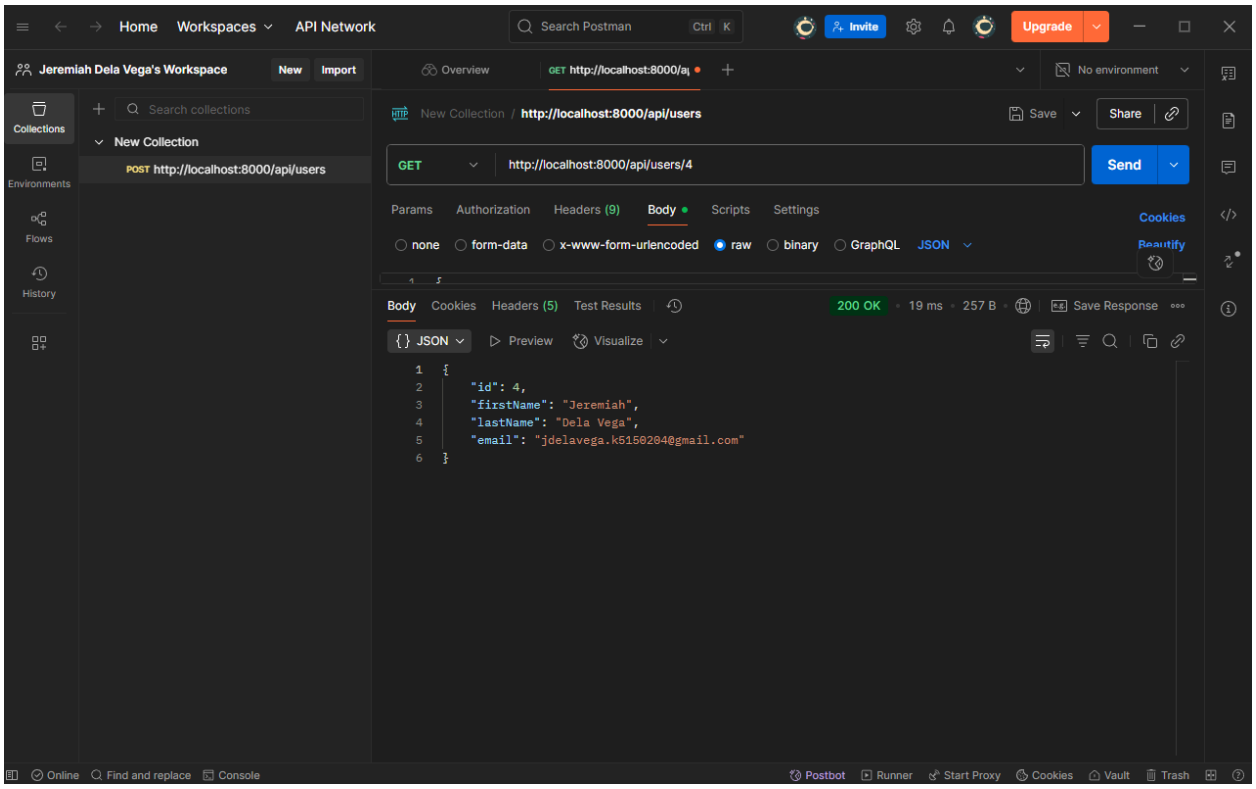
Output:

POST (User Creation)

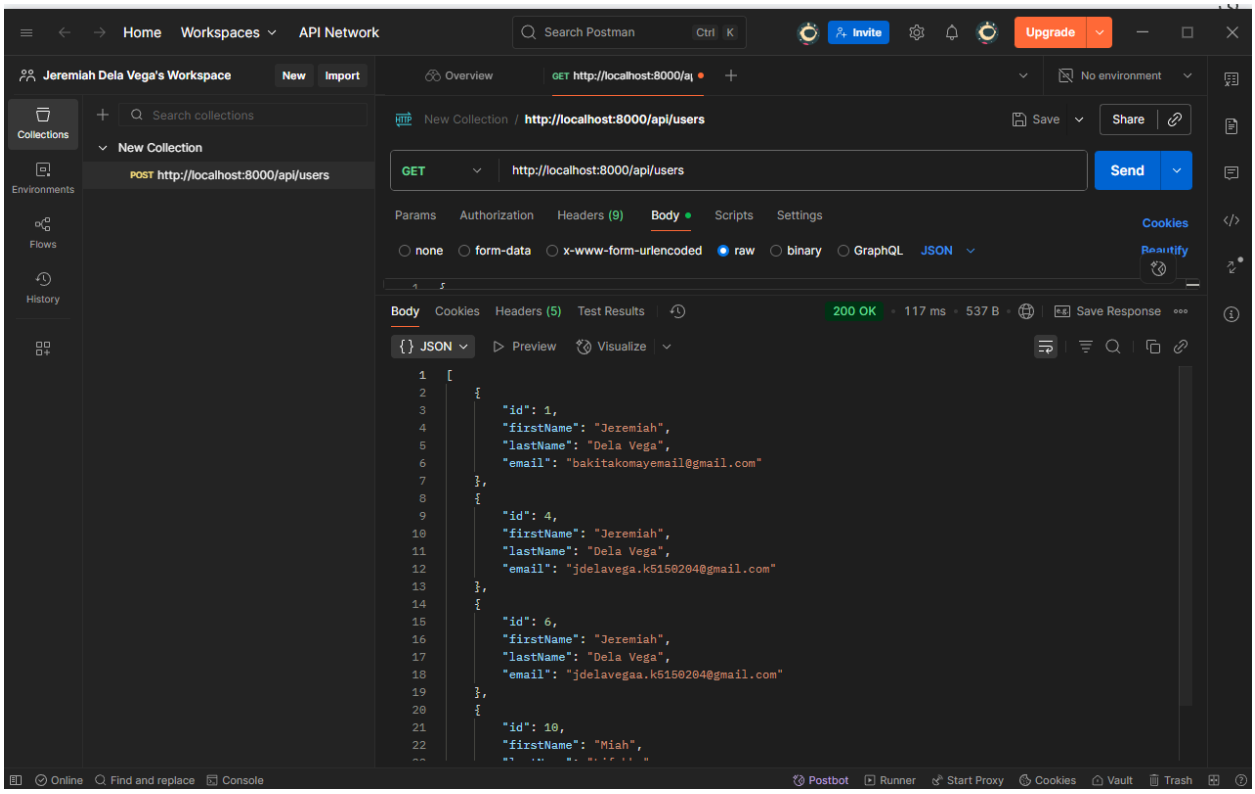



Home
Workspaces
API Network
Search Postman
Ctrl K
Invite
Upgrade
Jeremiah Dela Vega's Workspace
New
Import
Collections
Environments
Flows
History
Search collections
New Collection
POST http://localhost:8000/api/users
Overview
POST http://localhost:8000/
No environment
New Collection / http://localhost:8000/api/users
Save
Share
POST
http://localhost:8000/api/users
Send
Params
Authorization
Headers (9)
Body
Scripts
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
{
"firstName": "Miah",
"lastName": "Lifakha",
"email": "jdelavegaaa.k5150204@gmail.com"
}
Body
Cookies
Headers (5)
Test Results
201 Created
11 ms
259 B
Save Response
JSON
Preview
Visualize
{
"id": 10,
"firstName": "Miah",
"lastName": "Lifakha",
"email": "jdelavegaaa.k5150204@gmail.com"
}
Online
Find and replace
Console
Postbot
Runner
Start Proxy
Cookies
Vault
Trash

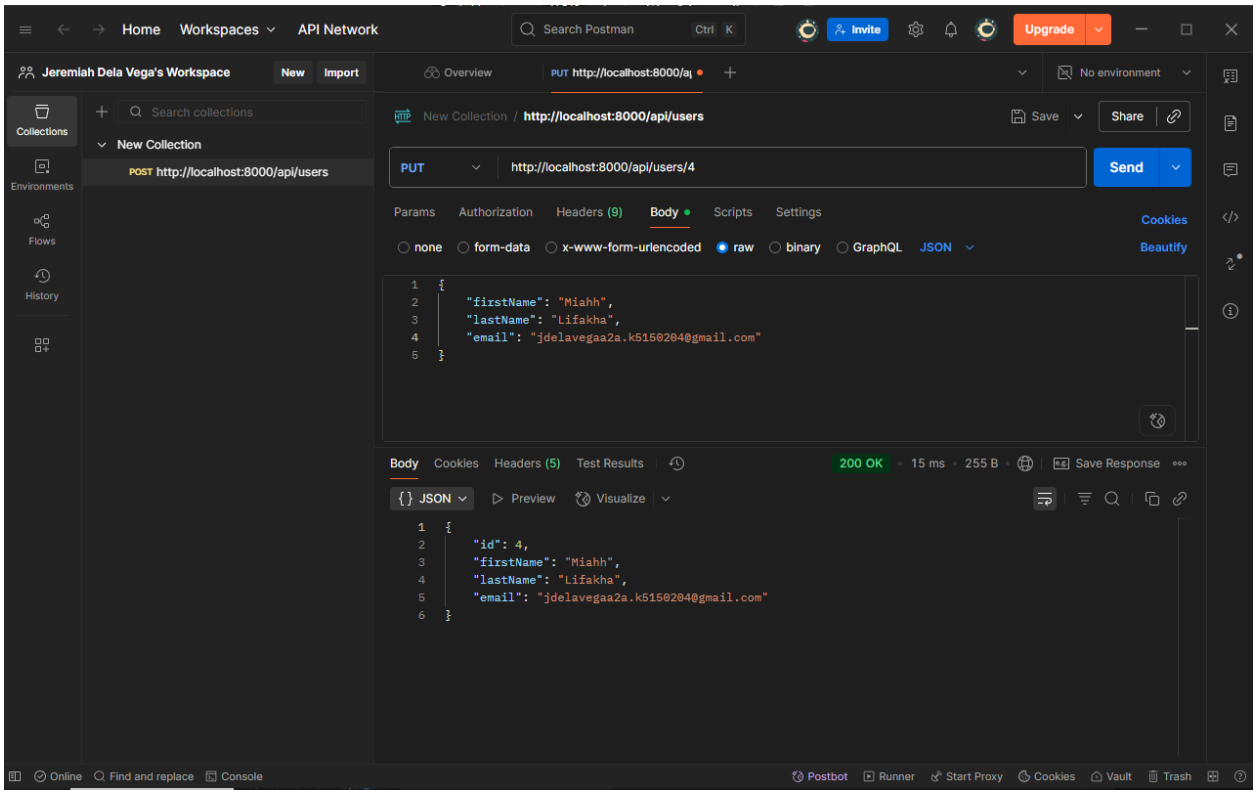
GET (Single User)



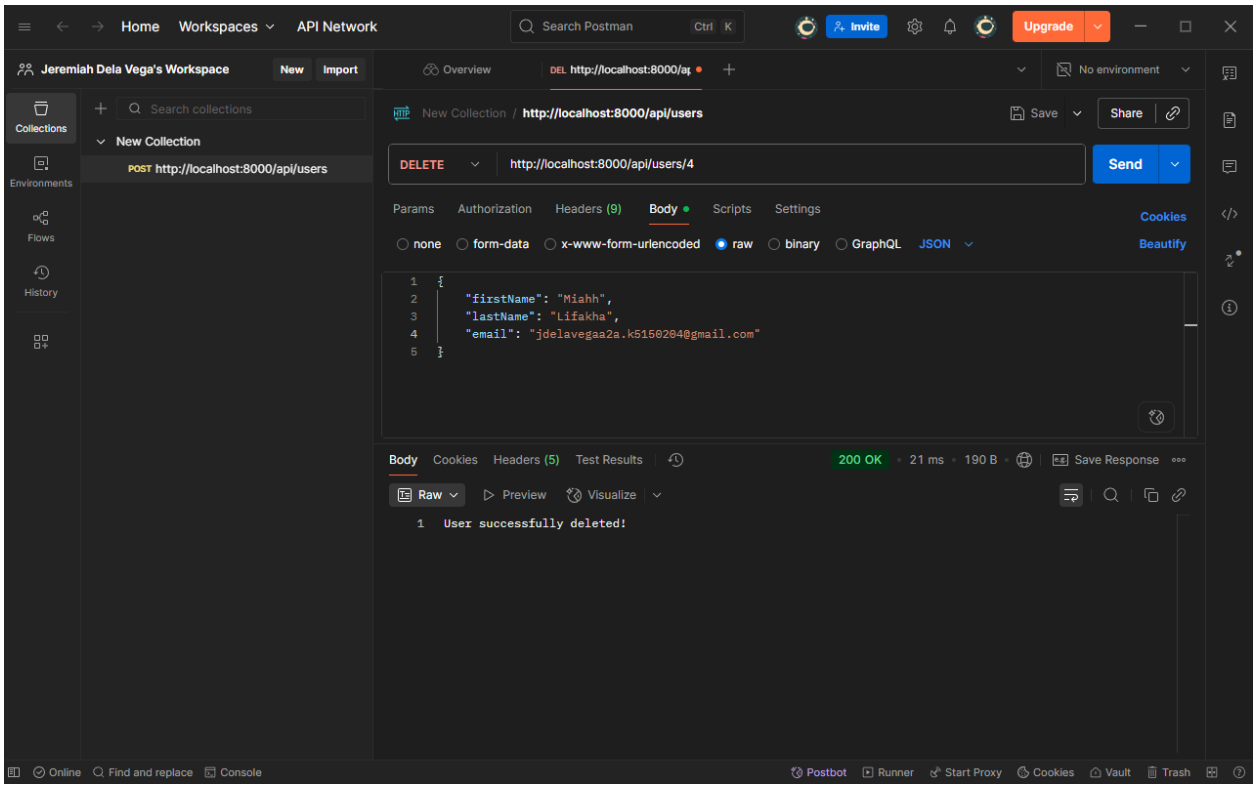
GET (All Users)



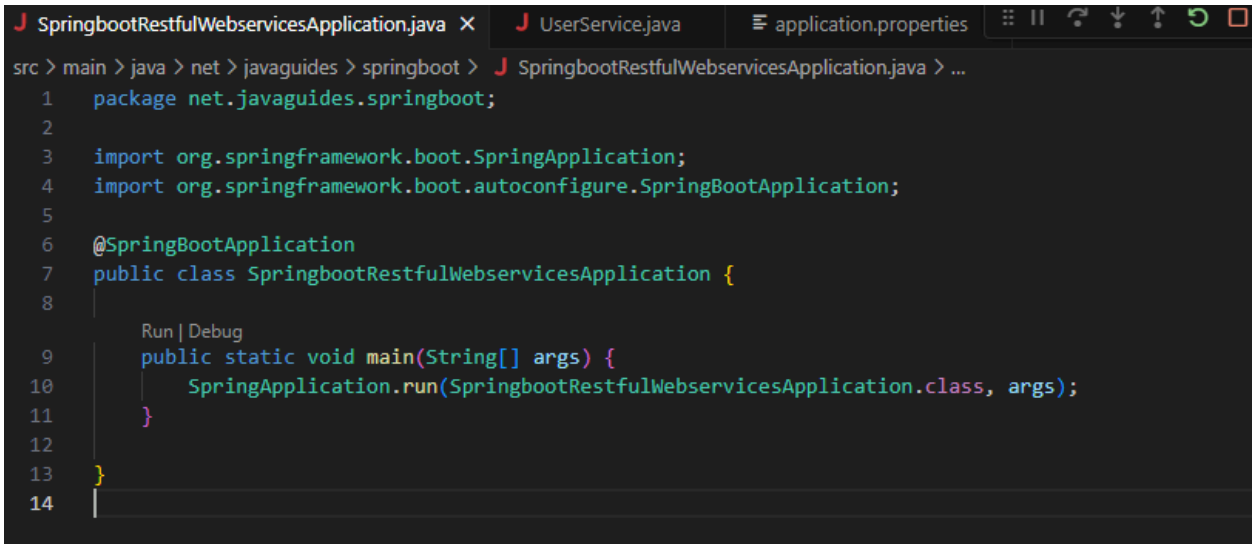
PUT (Update)

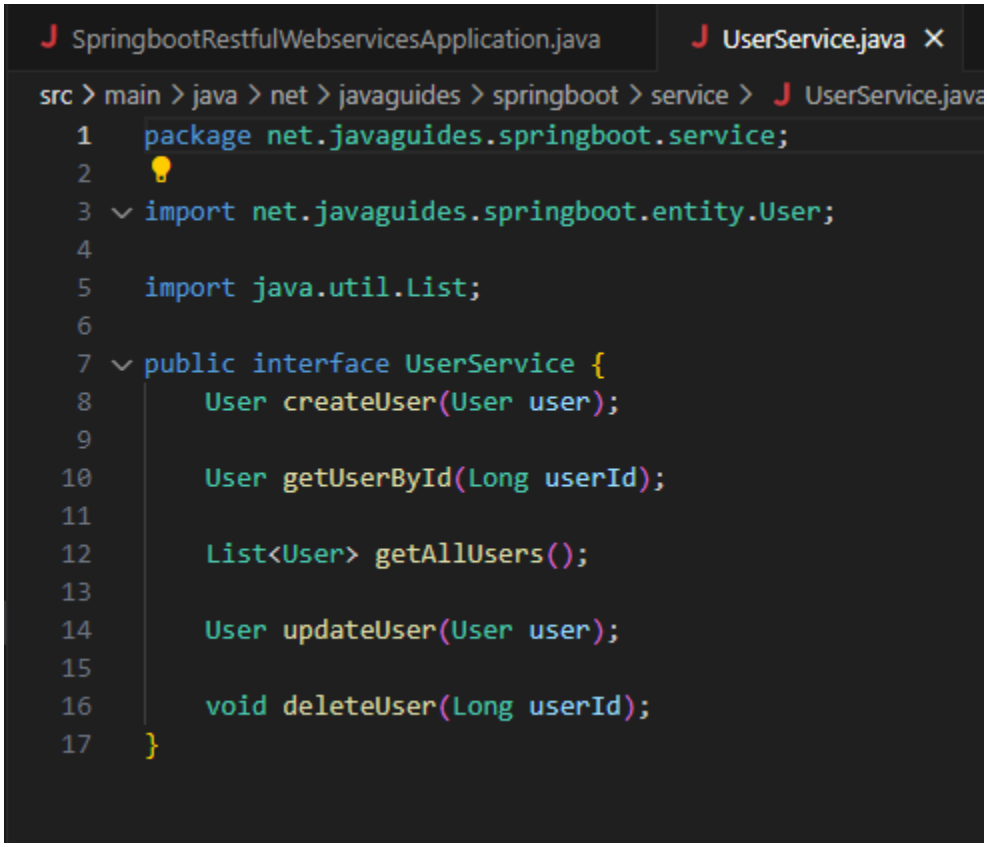

Home
Workspaces
API Network
Search Postman
Ctrl K
Invite
Upgrade
Jeremiah Dela Vega's Workspace
New
Import
Collections
Environments
Flows
History
Search collections
New Collection
POST http://localhost:8000/api/users
Overview
PUT http://localhost:8000/a
No environment
New Collection / http://localhost:8000/api/users
Save
Share
PUT
http://localhost:8000/api/users/4
Send
Params
Authorization
Headers (9)
Body
Scripts
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
{
"firstName": "Miahh",
"lastName": "Lifakha",
"email": "jdelavegaa2a.k5150204@gmail.com"
}
Body
Cookies
Headers (5)
Test Results
200 OK
15 ms
255 B
Save Response
{} JSON
Preview
Visualize
{
"id": 4,
"firstName": "Miahh",
"lastName": "Lifakha",
"email": "jdelavegaa2a.k5150204@gmail.com"
}
Online
Find and replace
Console
Postbot
Runner
Start Proxy
Cookies
Vault
Trash

DELETE


Home
Workspaces
API Network
Search Postman
Ctrl K
Invite
Upgrade
Jeremiah Dela Vega's Workspace
New
Import
Overview
DEL http://localhost:8000/ap
No environment
Collections
Environments
Flows
History
Search collections
New Collection
POST http://localhost:8000/api/users
New Collection / http://localhost:8000/api/users
Save
Share
DELETE
http://localhost:8000/api/users/4
Send
Params
Authorization
Headers (9)
Body
Scripts
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
{
"firstName": "Miahh",
"lastName": "Lifakha",
"email": "jdelavegaa2a.k5150204@gmail.com"
}
Body
Cookies
Headers (5)
Test Results
200 OK
21 ms
190 B
Save Response
Raw
Preview
Visualize
User successfully deleted!
Online
Find and replace
Console
Postbot
Runner
Start Proxy
Cookies
Vault
Trash

Code (Please see attached .rar file in TBL submission):





SpringbootRestfulWebservicesApplication.java | UserService.java | *UserServiceImpl.java*

src > main > java > net > javaguides > springboot > service > impl > UserServiceImpl.java > { } net.javaguides.springboot.service.impl

```java
package net.javaguides.springboot.service.impl;

import lombok.AllArgsConstructor;
import net.javaguides.springboot.entity.User;
import net.javaguides.springboot.repository.UserRepository;
import net.javaguides.springboot.service.UserService;
import org.springframework.stereotype.Service;

import java.util.List;
import java.util.Optional;

@Service
@AllArgsConstructor
public class UserServiceImpl implements UserService {

    private UserRepository userRepository;

    @Override
    public User createUser(User user) {
        return userRepository.save(user);
    }

    @Override
    public User getUserById(Long userId) {
        Optional<User> optionalUser = userRepository.findById(userId);
        return optionalUser.get();
    }

    @Override
    public List<User> getAllUsers() {
        return userRepository.findAll();
    }

    @Override
    public User updateUser(User user) {
        User existingUser = userRepository.findById(user.getId()).get();
        existingUser.setFirstName(user.getFirstName());
        existingUser.setLastName(user.getLastName());
        existingUser.setEmail(user.getEmail());
        User updatedUser = userRepository.save(existingUser);
        return updatedUser;
    }

    @Override
    public void deleteUser(Long userId) {
        userRepository.deleteById(userId);
    }
}
```

SpringbootRestfulWebservicesApplication.java | UserRepository.java | application.properties

src > main > resources > application.properties

```
spring.application.name=springboot-restful-webservices
spring.datasource.url=jdbc:mysql://localhost:3308/user_management
spring.datasource.username=root
spring.datasource.password=Jeremiah213123
server.port=8000

spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQLDialect
spring.jpa.hibernate.ddl-auto=update
```

SpringbootRestfulWebservicesApplication.java | application.properties | SpringbootRestfulWebservicesApplicationTests.java

src > test > java > net > javaguides > springboot > SpringbootRestfulWebservicesApplicationTests.java > {} net.javaguides.springboot

```java
package net.javaguides.springboot;

import org.junit.jupiter.api.Test;
import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest
class SpringbootRestfulWebservicesApplicationTests {

    @Test
    void contextLoads() {
    }

}

```