MARK ANGELO D. SIAZON IV-ACSAD

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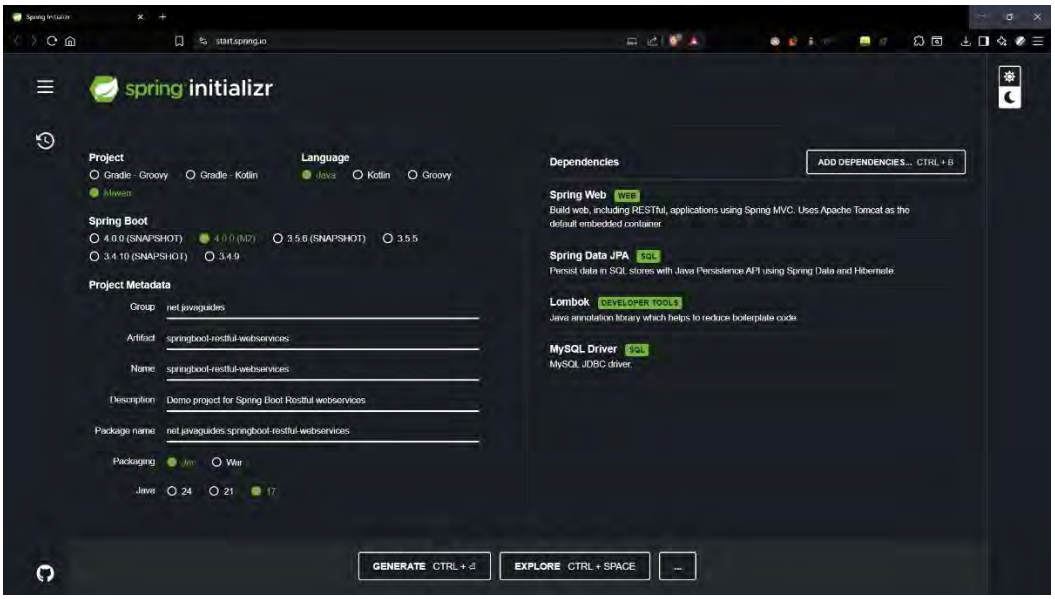
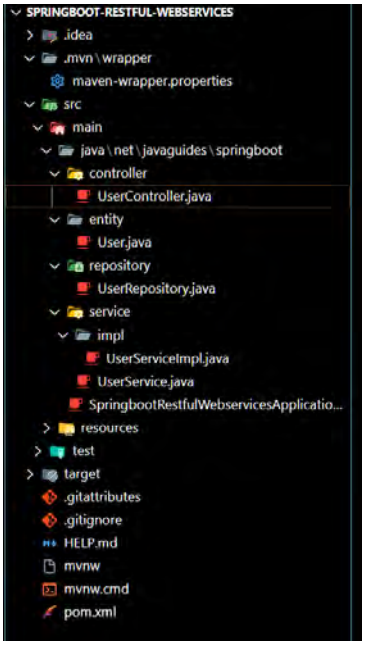
1. Create a Spring Boot Application and Import in IntelliJ IDEA or Eclipse or VS Code



2.Project Structure



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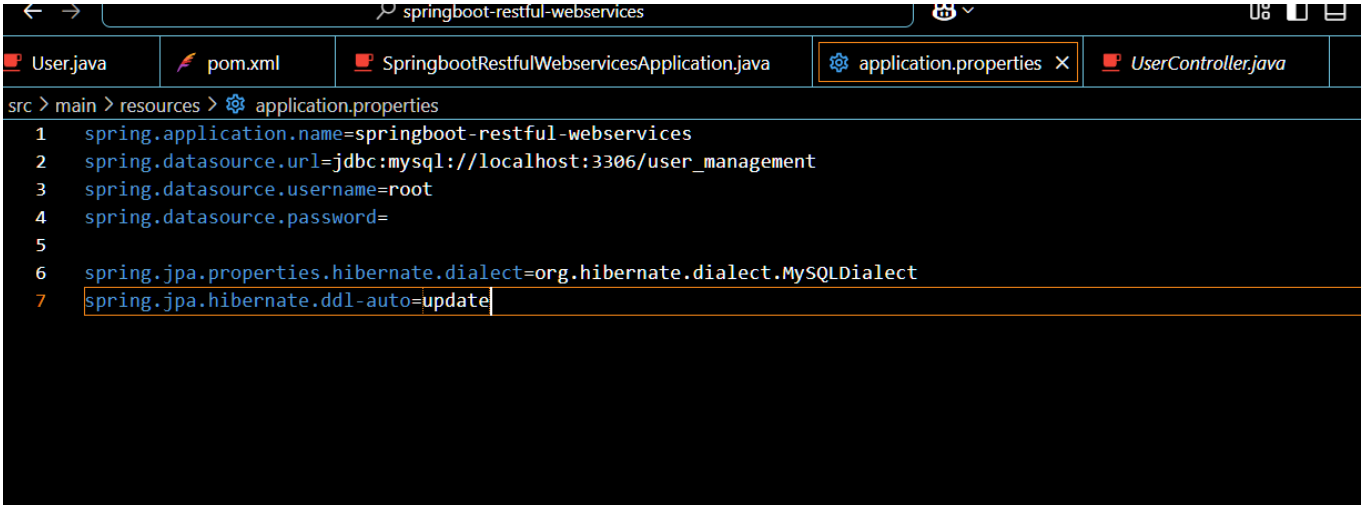
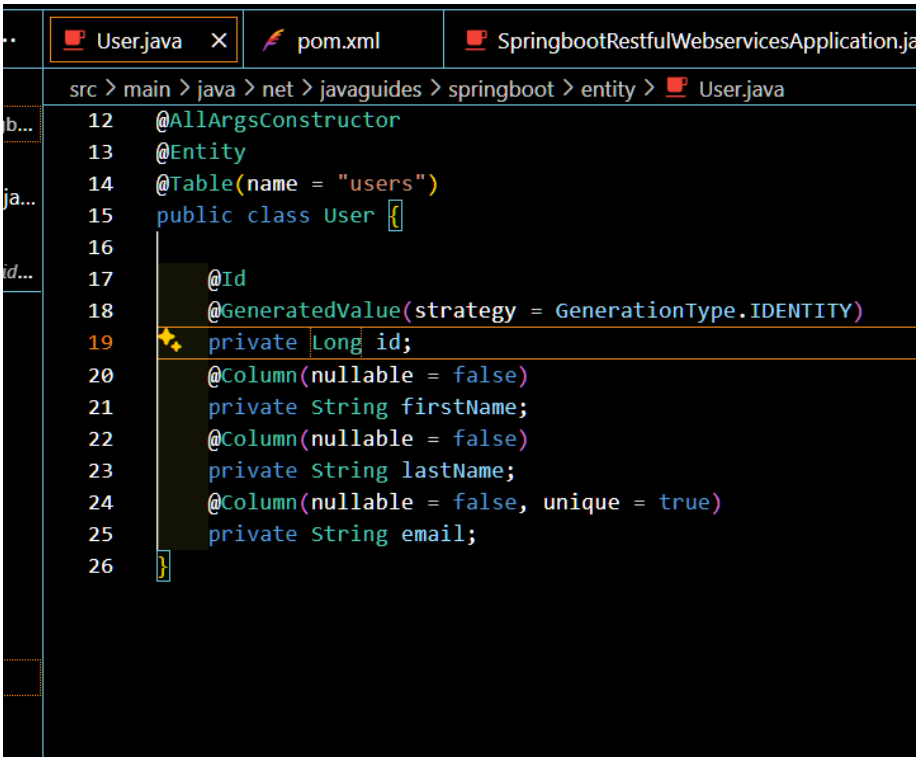
3. Configuring MySQL Database



4. Create JPA Entity - User.java



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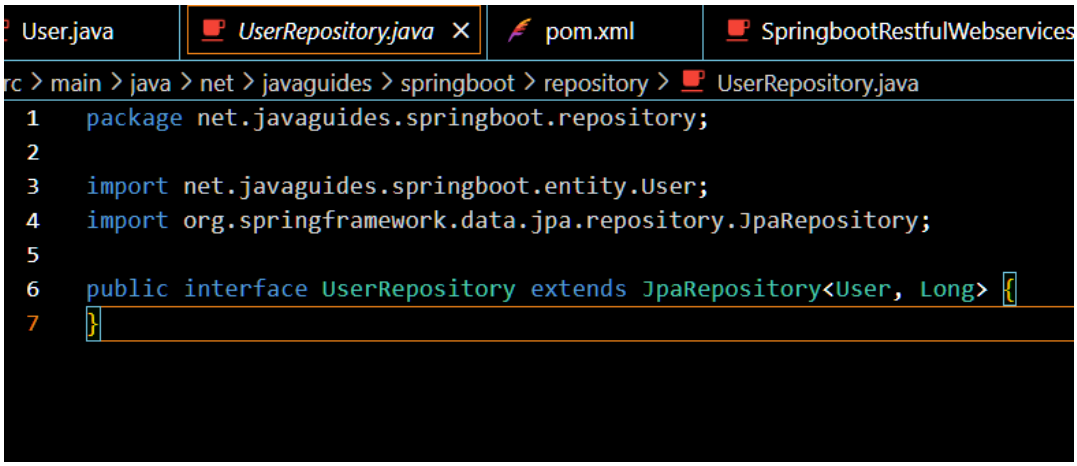
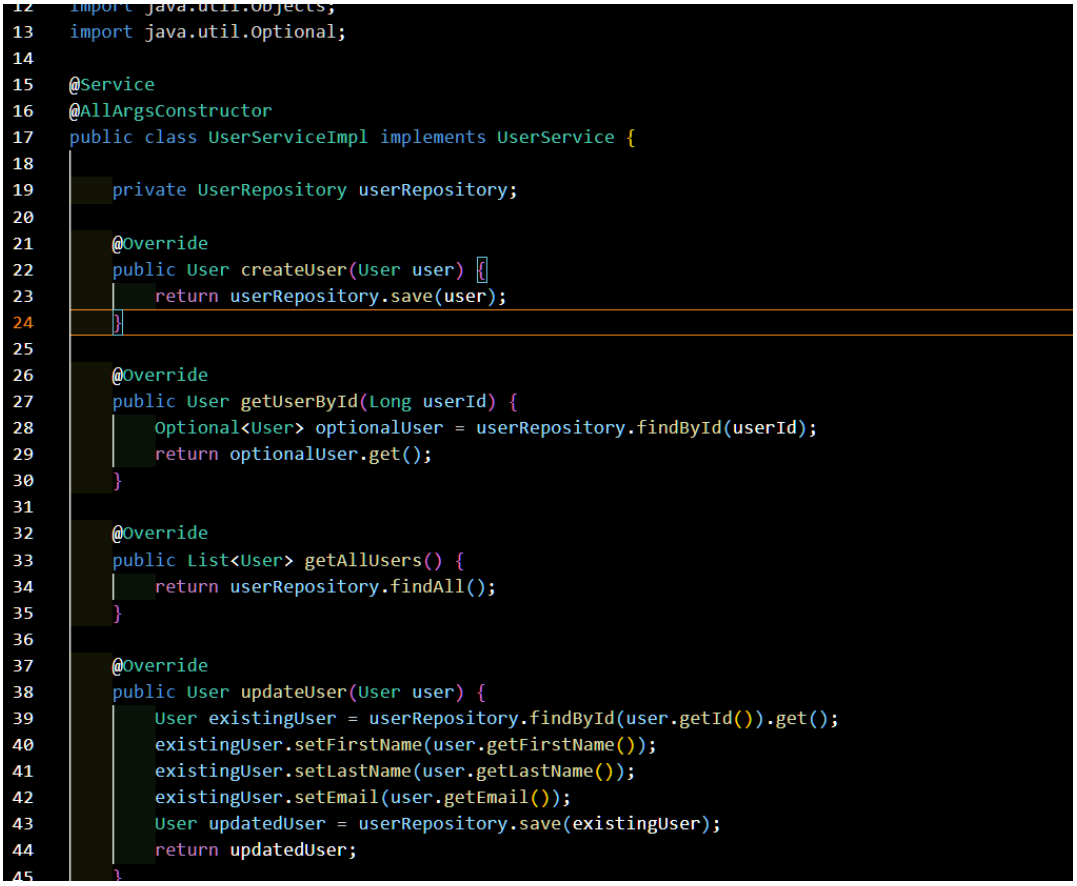
5. Create Spring Data JPA Repository for User JPA Entity



6. Service Layer Implementation



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7. Creating UserController - Building CRUD Rest APIs7. Creating UserController - Building CRUD Rest APIs

```java
import lombok.AllArgsConstructor;
import net.javaguides.springboot.entity.User;
import net.javaguides.springboot.service.UserService;
import org.springframework.http.HttpStatus;
import org.springframework.http.ResponseEntity;
import org.springframework.web.bind.annotation.*;

import java.util.List;

@RestController
@AllArgsConstructor
@RequestMapping("api/users")
public class UserController {

    private UserService userService;

    // build create User REST API
    @PostMapping
    public ResponseEntity<User> createUser(@RequestBody User user){
        User savedUser = userService.createUser(user);
        return new ResponseEntity<>(savedUser, HttpStatus.CREATED);
    }

    // build get user by id REST API
    // http://localhost:8080/api/users/1
    @GetMapping("{id}")
    public ResponseEntity<User> getUserById(@PathVariable("id") Long userId){
        User user = userService.getUserById(userId);
        return new ResponseEntity<>(user, HttpStatus.OK);
    }

    // Build Get All Users REST API
    // http://localhost:8080/api/users
    @GetMapping
    public ResponseEntity<List<User>> getAllUsers(){
        List<User> users = userService.getAllUsers();
```

Now Test Spring Boot CRUD REST APIs using Postman Client

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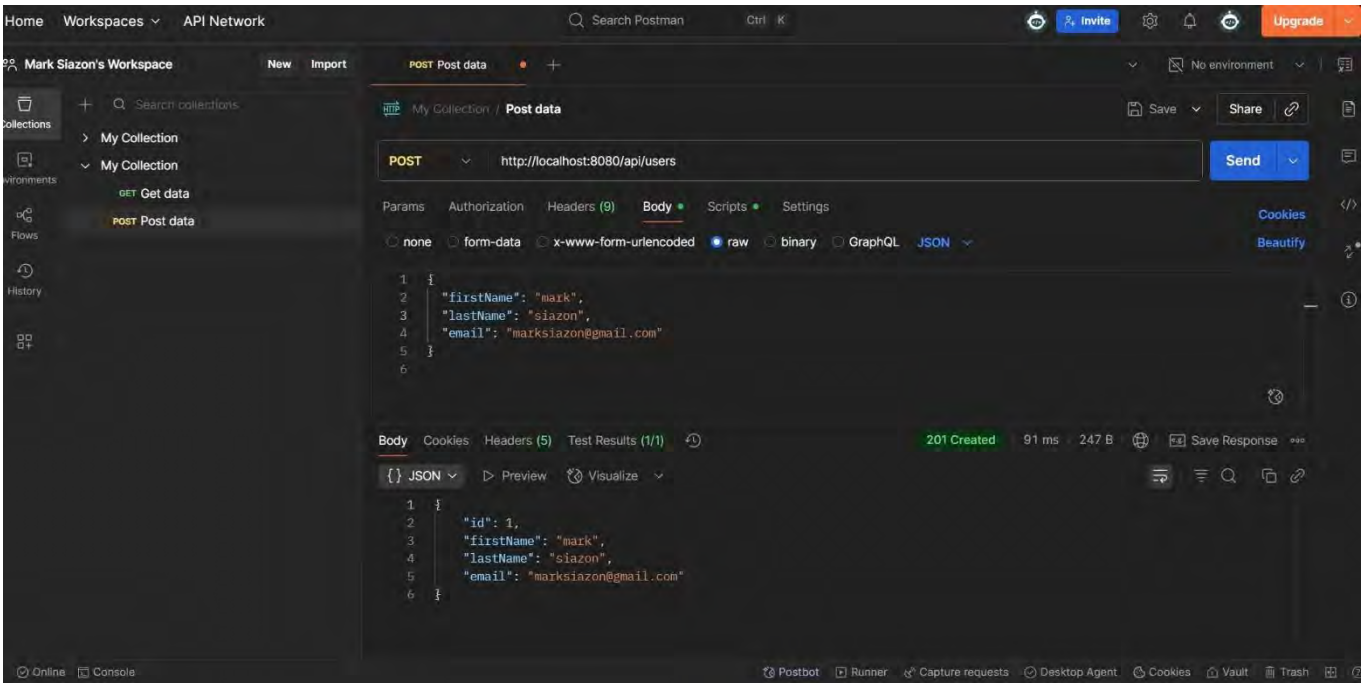
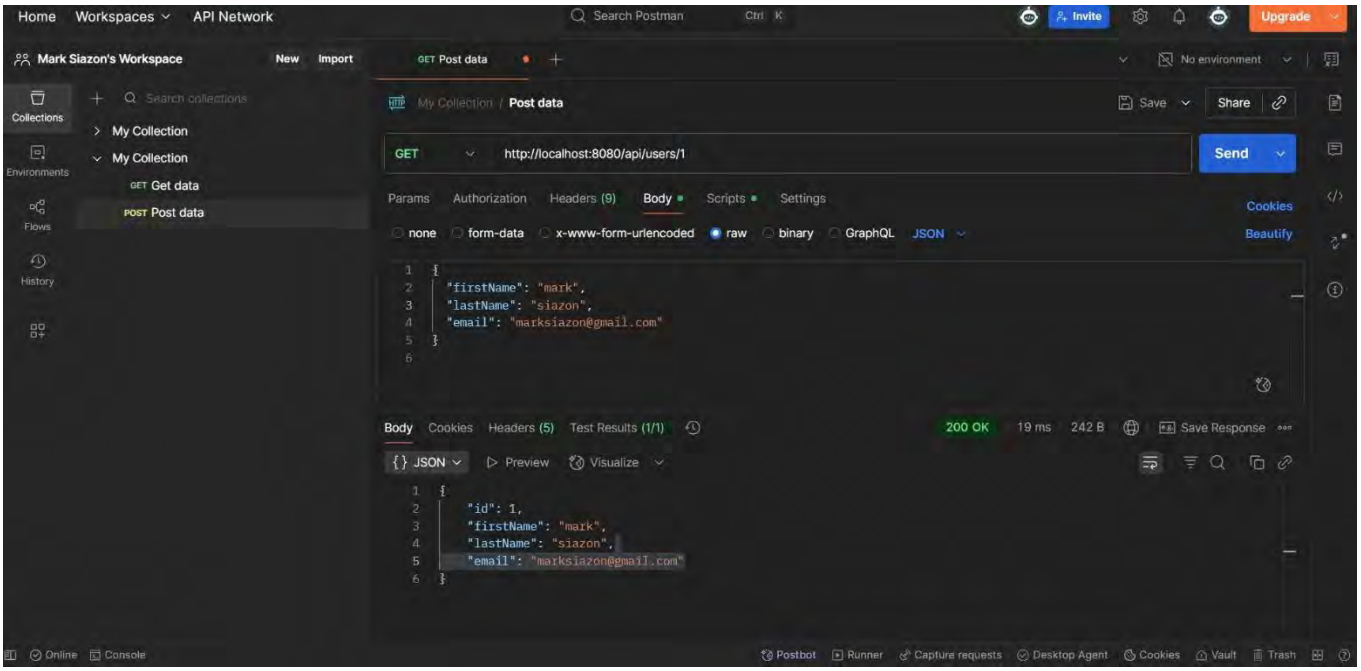
1-Create User REST API



2-Get Single User REST API



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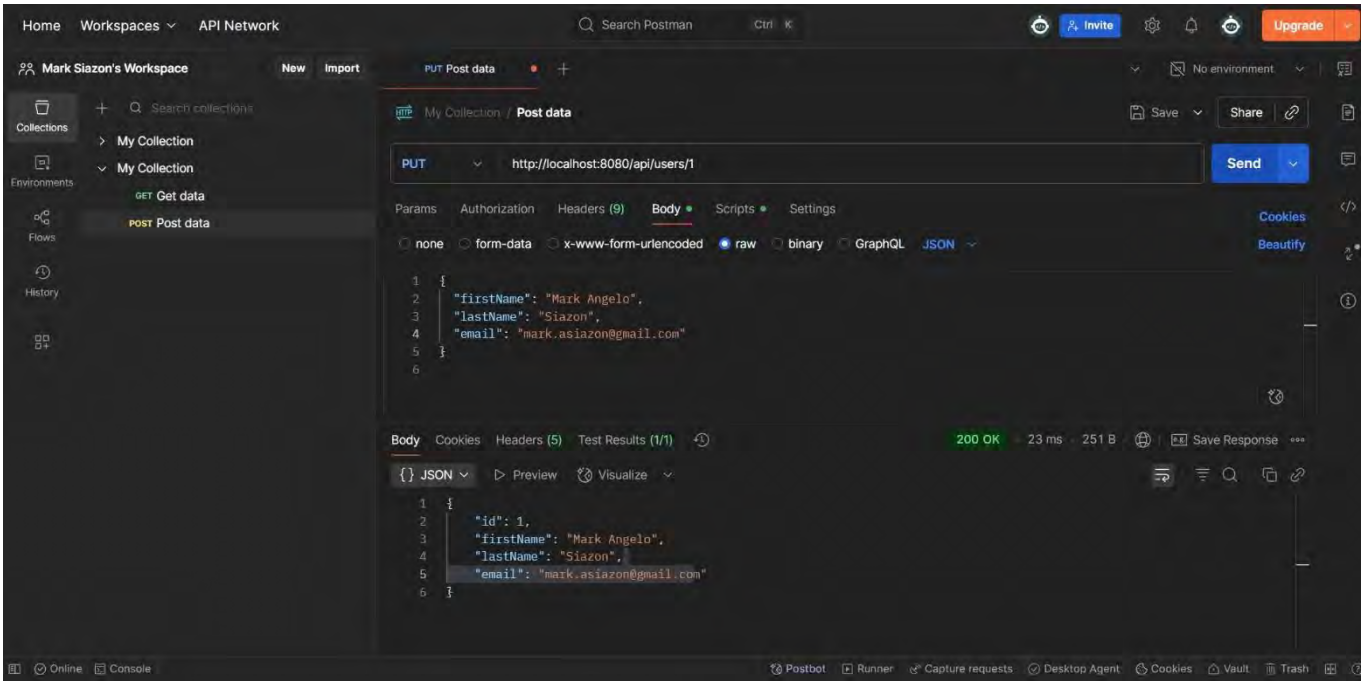
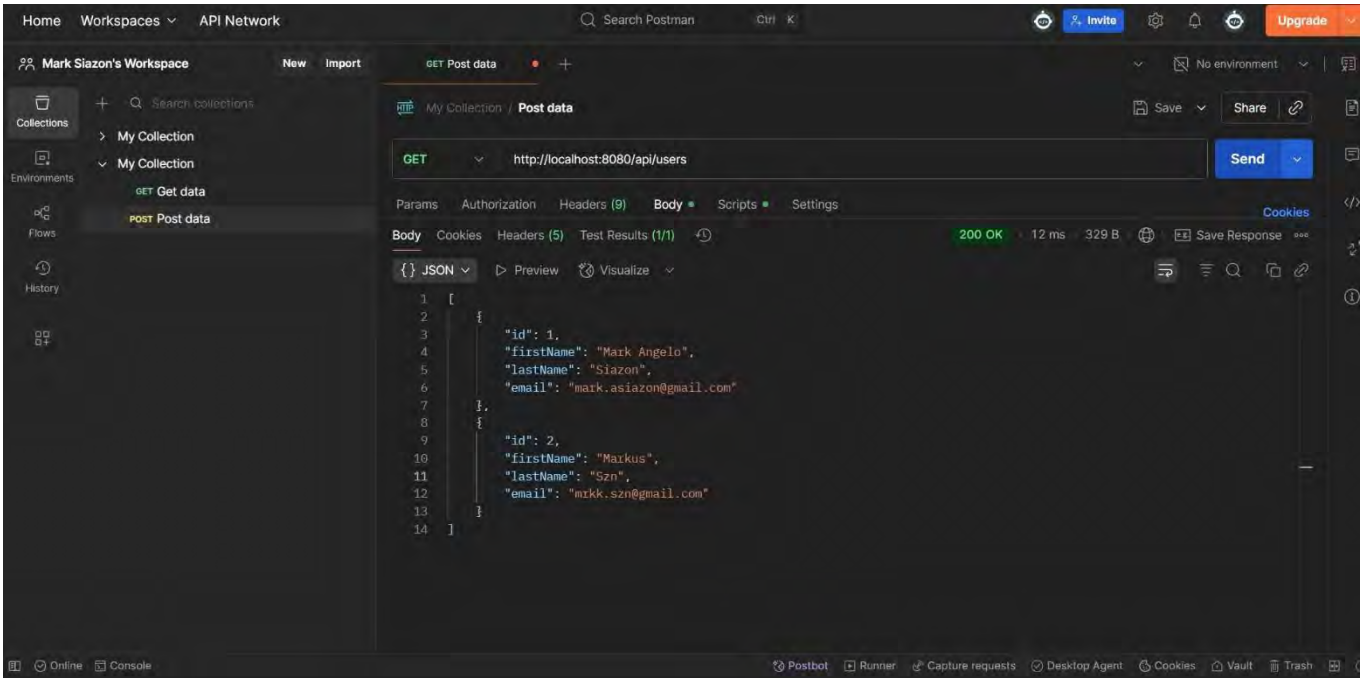
3-Update User REST API



4-Get All Users REST API



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5 - Delete User REST API