

Step 4: Database Configuration

In this step, you'll configure the H2 database, which will act as your SQL database for development and testing purposes.

Steps for Database Configuration

- **Locate application.properties**
 - Navigate to **src/main/resources** in your project directory. You'll find a file named **application.properties**.
- **Add H2 Configuration**
 - Open **application.properties** and append the following lines to enable and configure the H2 database.

```
Copy code
spring.datasource.url=jdbc:h2:mem:testdb
spring.datasource.driverClassName=org.h2.Driver
spring.datasource.username=sa
spring.datasource.password=password
spring.jpa.database-platform=org.hibernate.dialect.H2Dialect
```
- **Enable H2 Console**
 - To access the H2 console from the browser, add the following line:

```
Copy code
spring.h2.console.enabled=true
```

Documentation

Update your **README.md** with this new step:

markdown

Copy code

```
## Step 4: Database Configuration
```

We added the H2 database configuration to the `application.properties` file, setting up the URL, driver class name, username, and password. Additionally, we enabled the H2 console for browser access.

Commit Changes

- Stage your changes: **git add .**
- Commit: **git commit -m "Configured H2 database"**

Conclusion

Your project is now configured to use an H2 in-memory database. You've also enabled the H2 console, which allows you to interact with the database directly from your web browser.