

Here's a simple **full stack project example** with:

- **Frontend:** HTML (a basic form)
- **Backend:** Java (using Spring Boot)
- **Database:** MySQL

I'll show you the core files with code snippets and headings for clarity. This will let you create

1. Database Table Setup

Create a database and a table in MySQL:

```
```sql
CREATE DATABASE demo;
USE demo;

CREATE TABLE users (
 id INT AUTO_INCREMENT PRIMARY KEY,
 name VARCHAR(255) NOT NULL
);
```
```

2. Java Spring Boot Backend

2.1. Maven Dependencies (`pom.xml`)

```
```xml name=pom.xml
<project>
 <modelVersion>4.0.0</modelVersion>
 <groupId>com.example</groupId>
 <artifactId>demo</artifactId>
 <version>1.0</version>
 <dependencies>
 <dependency>
 <groupId>org.springframework.boot</groupId>
 <artifactId>spring-boot-starter-web</artifactId>
 </dependency>
 <dependency>
 <groupId>org.springframework.boot</groupId>
 <artifactId>spring-boot-starter-data-jpa</artifactId>
 </dependency>
 <dependency>
 <groupId>mysql</groupId>
 <artifactId>mysql-connector-java</artifactId>
 <scope>runtime</scope>
 </dependency>
 </dependencies>
 <parent>
 <groupId>org.springframework.boot</groupId>
 <artifactId>spring-boot-starter-parent</artifactId>
 <version>3.2.0</version>
 </parent>
</project>
```
```

2.2. Application Properties (`src/main/resources/application.properties`)

```
```properties name=src/main/resources/application.properties
spring.datasource.url=jdbc:mysql://localhost:3306/demo
spring.datasource.username=root
spring.datasource.password=your_mysql_password
spring.jpa.hibernate.ddl-auto=update
spring.jpa.show-sql=true
```
```

2.3. User Entity (`src/main/java/com/example/demo/User.java`)

```
```java name=src/main/java/com/example/demo/User.java
package com.example.demo;
```

```
import jakarta.persistence *
```