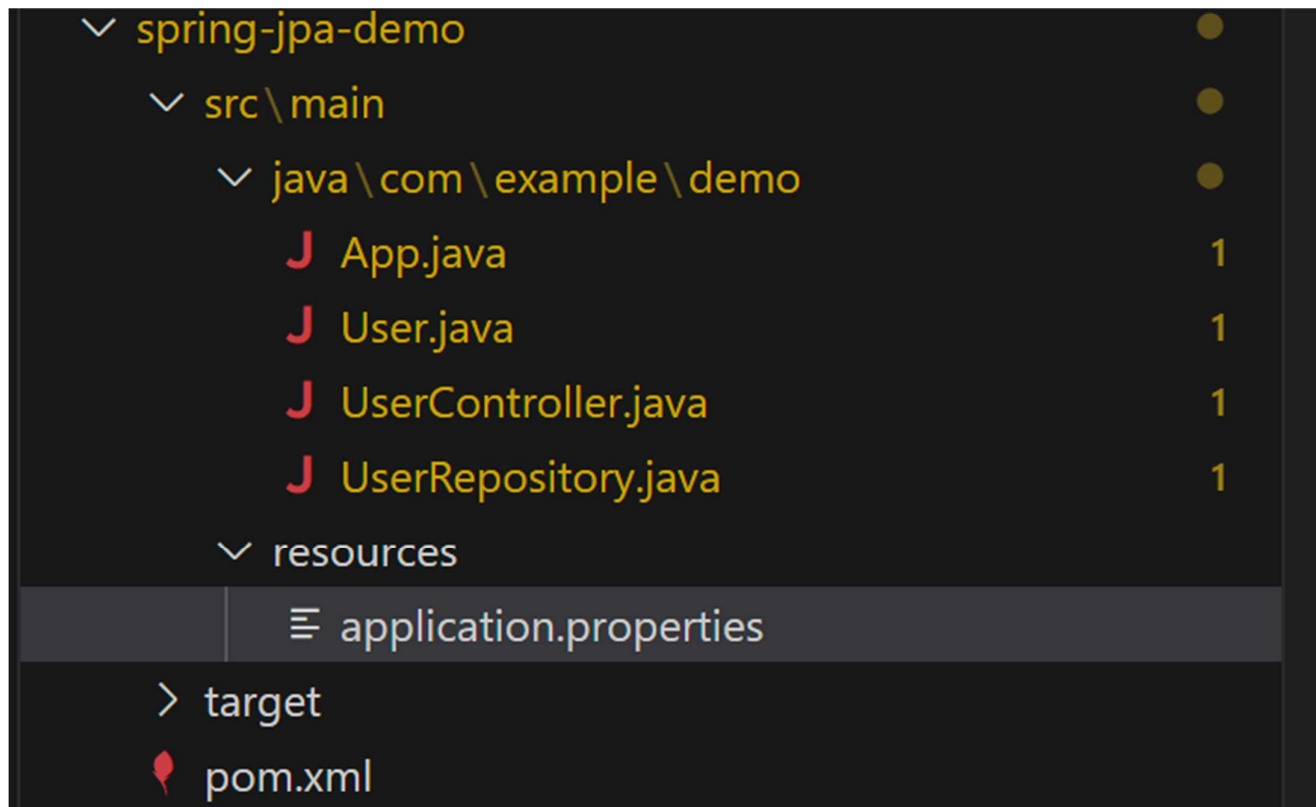


## Creating Project

```
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/maven-metadata.xml
(1.1 kB at 40 kB/s)
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] -----[ pom ]-----
[INFO] >>> archetype:3.4.0:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO] <<< archetype:3.4.0:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO] --- archetype:3.4.0:generate (default-cli) @ standalone-pom ---
[INFO] Generating project in Batch mode
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/archetype-catalog.xml
Downloaded from central: https://repo.maven.apache.org/maven2/archetype-catalog.xml (17 MB at 19 MB/s)
[INFO] -----
[INFO] Using following parameters for creating project from Old (1.x) Archetype: maven-archetype-quickstart:1.0
[INFO] -----
[INFO] Parameter: basedir, Value: C:\Users\veert\OneDrive\Desktop\JUnit
[INFO] Parameter: package, Value: com.example.jpaxample
[INFO] Parameter: groupId, Value: com.example.jpaxample
[INFO] Parameter: artifactId, Value: jpaxample
[INFO] Parameter: packageName, Value: com.example.jpaxample
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] project created from Old (1.x) Archetype in dir: C:\Users\veert\OneDrive\Desktop\JUnit\jpaxample
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 3.640 s
[INFO] Finished at: 2025-07-04T11:08:11+05:30
[INFO] -----
C:\Users\veert\OneDrive\Desktop\JUnit>
```

## Folder Structure



## App.java

```
spring-jpa-demo > src > main > java > com > example > demo > J App.java > App
1  package com.example.demo;
2
3  import org.springframework.boot.SpringApplication;
4  import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6  @SpringBootApplication
7  public class App {
8      Run | Debug
9      public static void main(String[] args) {
10         SpringApplication.run(App.class, args);
11     }
12 }
```

## User.java

```
spring-jpa-demo > src > main > java > com > example > demo > J User.java > User
1  package com.example.demo;
2
3  import jakarta.persistence.*;
4
5  @Entity
6  public class User {
7      @Id
8      @GeneratedValue(strategy = GenerationType.IDENTITY)
9      private Long id;
10     private String name;
11
12     public User() {
13     }
14
15     public User(String name) {
16         this.name = name;
17     }
18
19     public Long getId() {
20         return id;
21     }
22
23     public void setId(Long id) {
24         this.id = id;
25     }
26
27     public String getName() {
28         return name;
29     }
30
31     public void setName(String name) {
32         this.name = name;
33     }
34 }
```

## UserController.java

```
spring-jpa-demo > src > main > java > com > example > demo > UserController.java > UserController
1  package com.example.demo;
2
3  import org.springframework.beans.factory.annotation.Autowired;
4  import org.springframework.web.bind.annotation.*;
5  import java.util.List;
6
7  @RestController
8  @RequestMapping("/users")
9  public class UserController {
10
11      @Autowired
12      private UserRepository userRepository;
13
14      @GetMapping
15      public List<User> getAll() {
16          return userRepository.findAll();
17      }
18
19      @PostMapping
20      public User create(@RequestBody User user - UserController.create(User)
21          return userRepository.save(user);
22      }
23 }
```

## UserRepository.java

```
spring-jpa-demo > src > main > java > com > example > demo > UserRepository.java > UserRepository
1  package com.example.demo;
2
3  import org.springframework.data.jpa.repository.JpaRepository;
4
5  public interface UserRepository extends JpaRepository<User, Long> {
6  }
```

## application.properties

spring-jpa-demo > src > main > resources > application.properties

```
1 server.port=8081
2 spring.datasource.url=jdbc:h2:mem:testdb
3 spring.h2.console.enabled=true
4 spring.jpa.hibernate.ddl-auto=create-drop
```

## pom.xml

spring-jpa-demo > pom.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0"
3         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4         xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
5                             http://maven.apache.org/xsd/maven-4.0.0.xsd">
6     <modelVersion>4.0.0</modelVersion>
7
8     <groupId>com.example</groupId>
9     <artifactId>spring-jpa-demo</artifactId>
10    <version>1.0.0</version>
11    <packaging>jar</packaging>
12
13    <parent>
14        <groupId>org.springframework.boot</groupId>
15        <artifactId>spring-boot-starter-parent</artifactId>
16        <version>3.2.0</version>
17        <relativePath/>
18    </parent>
19
20    <properties>
21        <java.version>17</java.version>
22    </properties>
23
24    <dependencies>
25        <dependency>
26            <groupId>org.springframework.boot</groupId>
27            <artifactId>spring-boot-starter-web</artifactId>
28        </dependency>
29        <dependency>
30            <groupId>org.springframework.boot</groupId>
31            <artifactId>spring-boot-starter-data-jpa</artifactId>
32        </dependency>
33        <dependency>
34            <groupId>com.h2database</groupId>
35            <artifactId>h2</artifactId>
36            <scope>runtime</scope>
37        </dependency>
38    </dependencies>
39
40    <build>
41        <plugins>
42            <plugin>
43                <groupId>org.springframework.boot</groupId>
44                <artifactId>spring-boot-maven-plugin</artifactId>
45            </plugin>
46        </plugins>
47    </build>
48 </project>
```