

# JobsApplied Backend Instructions

## 1. Clone Github Repository

<https://github.com/JoseValenciaCodes/CEN-3024C-2420C-DMS>

## 2. Watch Video

<https://youtu.be/vE9VlnxJS8I>

## 3. Create the MySQL Database jobsapplieddb

```
CREATE DATABASE jobsapplieddb;
```

## 4. Create the MySQL DB User jobsappliedmanager of password

Job54ppLi3D1315

```
CREATE USER 'jobsappliedmanager'@'localhost' IDENTIFIED BY  
'Job54ppLi3D1315';
```

## 5. Grant all privileges on jobsapplieddb to jobsapplieddb

```
GRANT ALL PRIVILEGES ON jobsapplieddb.* TO  
'jobsappliedmanager'@'localhost';
```

```
FLUSH PRIVILEGES;
```

## 6. Create the Spring Session Table in the jobsapplieddb

```
CREATE TABLE SPRING_SESSION (  
    PRIMARY_ID CHAR(36) NOT NULL,  
    SESSION_ID CHAR(36) NOT NULL,  
    CREATION_TIME BIGINT NOT NULL,  
    LAST_ACCESS_TIME BIGINT NOT NULL,  
    MAX_INACTIVE_INTERVAL INT NOT NULL,  
    EXPIRY_TIME BIGINT NOT NULL,  
    PRINCIPAL_NAME VARCHAR(100),  
    CONSTRAINT SPRING_SESSION_PK PRIMARY KEY (PRIMARY_ID)  
) ENGINE=InnoDB;
```

```
CREATE UNIQUE INDEX SPRING_SESSION_IX1 ON SPRING_SESSION (SESSION_ID);  
CREATE INDEX SPRING_SESSION_IX2 ON SPRING_SESSION (EXPIRY TIME);  
CREATE INDEX SPRING_SESSION_IX3 ON SPRING_SESSION (PRINCIPAL_NAME);
```

```
CREATE TABLE SPRING_SESSION_ATTRIBUTES (  
    SESSION_PRIMARY_ID CHAR(36) NOT NULL,
```

```

        ATTRIBUTE_NAME VARCHAR(200) NOT NULL,
        ATTRIBUTE_BYTES BLOB NOT NULL,
        CONSTRAINT SPRING_SESSION_ATTRIBUTES_PK PRIMARY KEY
        (SESSION_PRIMARY_ID, ATTRIBUTE_NAME),
        CONSTRAINT SPRING_SESSION_ATTRIBUTES_FK FOREIGN KEY
        (SESSION_PRIMARY_ID)
        REFERENCES SPRING_SESSION(PRIMARY_ID) ON DELETE CASCADE
    ) ENGINE=InnoDB;

CREATE INDEX SPRING_SESSION_ATTRIBUTES_IX1 ON SPRING_SESSION_ATTRIBUTES
(SESSION_PRIMARY_ID);

```

7. Place the `applications.properties` file in  
`jobs-applied-dms-logic/src/main/resources`
8. Go to `pom.xml` file in `jobs-applied-dms-logic` and install all dependencies
9. Run executable JAR from the `jobs-applied-dms-logic` folder  
`java -jar target/JobsAppliedDms-0.0.1-SNAPSHOT.jar`
10. Reminder: Server Port is 8082

## JobsApplied Backend Test Executions

On the `jobs-applied-dms-logic` folder open the console and run the following commands:

- `mvn test`: Execute all unit tests
- `mvn test -Dtest=UserServiceImplTest` Execute unit tests on the  
`UserServiceImpl` class
- `mvn test -Dtest=CompanyServiceImplTest` Execute unit test on the  
`CompanyServiceImpl` class
- `mvn test -Dtest=CategoryServiceImplTest` Execute unit test on the  
`CategoryServiceImpl` class
- `mvn test -Dtest=JobServiceImplTest` Execute unit test on the `JobServiceImpl`  
class
- `mvn test -Dtest=ApplicationImplTest` Execute unit test on the  
`ApplicationServiceImpl` class