



# Instructions for Testing and Running the Project



## Step 1: Extract the ZIP File

After receiving the `newswhipproject.zip` file, extract it:

```
unzip newswhipproject.zip
cd newswhipproject
```



## Step 2: Install Dependencies (If Not Installed)

Ensure the following are installed:

- Java (JDK 8 or later)
- Scala (2.13)
- SBT (Scala Build Tool)

### MacOS (via Homebrew)

```
/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

```
brew install openjdk scala sbt
```



## Step 3: Compile the Project

Navigate to the extracted project folder and compile:

```
sbt compile
```

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## ✓ Step 4: Run Unit Tests

Run all the tests to ensure everything works:

```
sbt test
```

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## 🚀 Step 5: Package as a JAR File

To create a **fat JAR** (standalone runnable JAR):

```
sbt clean compile assembly
```

This will generate a JAR file in the `target/scala-2.13/` directory.

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## ▶ Step 6: Run the Application

Run the generated JAR file:

```
java -jar target/scala-2.13/newswhipproject-assembly.jar
```

Alternatively, they can use SBT to run it directly:

```
sbt run
```

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## 🎯 Usage Example


Once running, they can enter commands:

```
Welcome to the URL Social Score Manager. Enter commands: ADD <url>
<score>, REMOVE <url>, EXPORT, SAVE, EXIT
> ADD http://www.example.com 10
Added: http://www.example.com with score 10
> EXPORT
domain;urls;social_score
example.com;1;10
```

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## **Contact**

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## **You're Done!**

If you followed all steps correctly, the project **should compile, run tests successfully, and execute properly.** 