

1. Springboot - Unit Testing

In this challenge your task is to write unit test cases for the Spring Boot application provided.

The application is a Rest based Web API Application for a Football Tournament Usecase.

Write unit test cases to get 100% coverage of the following classes.

com.fresco.tournament.controllers

- TeamsController.java
- PlayersController.java
- AdminController.java
- MappingController.java

com.fresco.tournament.repo

- AdminRepository.java
- PlayerRepository.java
- TeamRepository.java
- MappingRepository.java

com.fresco.tournament

- FootBallTournamentApplication.java

com.fresco.tournament.models

- Admin.java
- Player.java
- Team.java
- Mapping.java

com.fresco.tournament.service

- CustomRegister.java
- UserAuthService.java
- AdminService.java
- MappingService.java
- TeamsService.java

com.fresco.tournament.config

- JwtUtil.java
- ApiAuthenticationEntryPoint.java
- ApiSecurityConfig.java
- JwtAuthenticationFilter.java

To get coverage report try executing the below command in the terminal.

```
mvn clean install; mvn jacoco:report;
```

The coverage report will be in *target/site/jacoco* directory.

Note: The same application will be used for another challenge hence have a look at how the application works :)

Software Instructions

The question(s) requires **Java Development Kit 8**.

- [Install OpenJDK 8 on MacOS or Linux](#)
- [Install JDK 8 on Windows](#)

Git Instructions

Use the following commands to work with this project

Run

Copy

```
mvn spring-boot:run;
```

Test

Copy

```
mvn clean test
```

Install

Copy

```
mvn clean install;
```