**Sports Tournament Management System**

**Project Scope:**

To create a sports tournament management system for any one sport (like boxing). The application can be made either as Web Application, Mobile Application or Desktop Application. There are 1 entities admin.

**Required Features:**

* Admin should be able to login through the app.
* Admin should be able to upload players list.
* Categories (like boys, girls) should be automatically created.
* Admin should be able to create tournament events.
* Rounds should be held for matches.
* Each round winner should qualify for next round until we get a winner.
* Scores should be allotted based on the points player gets during matches.
* Use actual metrics of points for selected sports.
* Admin should be able to see the records of matches.
* Medals for 1st, 2nd, 3rd place should be awarded automatically base on player’s win.
* Create a good UI for good user experience.
* Plan a good architecture pattern for the project.
* Provide security for project.

**Suggested Stack:**

1. **JAVA Track:**

* Java 8
* Angular 6+
* Maven
* Spring Boot 2.x
* SpringREST
* Spring Data JPA
* Postman
* Oracle/Postgres
* JUnit 5/Mockito
* Sonarqube
* JACOCO

1. **.NET Track**

* C#
* Asp.net
* EntityFramework
* Angular 6+
* MSBuild, MSTest/NUnit,
* SQL/MySQL/Oracle/Postgres