

Software Design – Assignment 2

Referee:

- ❖ Filter tennis players' lists using specific criteria.

Administrator:

- ❖ Can accept or deny a tournament registration for a tennis player (notified via email).

Add security to your application with the following specifications:

- ❖ each user should be able to view only the pages that they should have access to:
 - e.g., 1: the tennis player should not be able to view the page where the administrator performs CRUD operations.
 - e.g. 2: tennis player X should not be able to view the page for tennis matches of player Y.
- ❖ every page should be protected by the login (you cannot access any page if you are not logged in)

Testing:

- ❖ add Unit Tests for the Services

Technical constraints:

- Client-server application (Web)
- Connectivity to **relational database**
 - Each table in the database must contain at least 5 entries.
- Implement using **JPA Repository**
- **Documentation**
- **Validations** of the input on specific flows (valid dates, non-negative values, unique username/email etc).

Deliverables:

Create a [GitHub repository](#) with **documentation, source code, and SQL script**. Provide a link to the repository.

Documentation:

- Database diagram.
- Use-case diagram.
- Class diagram (show how the classes are placed inside each layer and the relationship between them – to denote Layered Architecture).

Grading:

Grade	Requirement
5	Documentation + Backend & Frontend for: <ul style="list-style-type: none">• Administrator - Can accept or deny a tournament registration for a tennis player (notified via email).
+1	Backend & Frontend for: <ul style="list-style-type: none">• Referee - Filter tennis players' lists using specific criteria
+1	Unit tests
+2	Security
+1	Clean Code + validations