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URS Document



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# Introduction

The company DuelSys inc. is looking for a software solution, developed according to their requirements, which will allow their clientele to manage sport tournaments without any difficulties. Their purpose is not only simplification of the sport association staff, but the sport enthusiasts as well. They want to make viewing and getting information about a certain corporation’s sport events, as well as registering for them, as simple as possible for everyone, interested in participating.

# Functional and non-functional requirements

## Functional requirements

* Management of sport tournaments (CRUD operations)
* Registration of players
* Generating a tournament schedule
* Registration of the game results
* Displaying tournament information and results
* Supporting multiple tournament systems
* Viewing player profile

## Non-functional requirements

* Performance
* Authorisation and authentication
* Scalability
* Extendibility
* Data security

# Use cases

## UC-01: Creating a tournament

**Pre-condition:** Actor needs to be in the desktop application

**Actor:** Sport association staff

**Main success scenario:**

1. Actor
2. System requires information for the tournament
3. Actor fills up the information and confirms
4. System confirms the creation of the tournament was successful

**Extensions:**

3a: Invalid information

.1: System displays invalid data message

.2: Return to MSS step 3

**Post condition:** A new tournament is created

## UC-02: Registering for a tournament

**Pre-condition:** Actor needs to be logged in their account in the web application

**Actor:** Regular user (participant in the tournaments/player)

**Main success scenario:**

1. Actor retrieves list of available tournaments and choose the one they want to participate in
2. Systems requires some personal information in order to register
3. Actor fills up all the required information and confirms
4. System displays confirmation message and register the player for the tournament

**Extensions:**

3a: Invalid information

.1: System displays invalid data message

.2: Return to MSS step 3

3b: There is less than one week until the tournament

.1: System displays message for unsuccessful registration

.2: End of use case

3c: The maximum number of players is reached

.1: System displays message for unsuccessful registration

.2: End of use case

## UC-03: Registering the result of games

**Pre-condition:** Actor needs to be in the desktop application

**Actor:** Sport association staff

**Main success scenario:**

1. Actor selects the current tournament, round, and game
2. Systems requires input for the result of the game between the opponents
3. Actor fills up the information and confirms
4. Systems saves the result

**Extensions:**

3a: Invalid information

.1: System displays invalid data message

.2: Return to MSS step 3