Chess Rating System

Requirements

Main View:

Single Page Application used by online chess players for ranking them by their performance.

Requirements:

The system shall provide authentication (login existing users / register new users).

The system shall store the user personal info (First Name, Last Name, Username, Email, Date of Birth, Country) alongside his Chess Rating and Total Number of Wins, Total Number of Losses and Total Number of Draws.

The system shall store the user`s passwords encrypted and safe.

The system should store an "Status" section to each player and provide the capability to users to edit this section.

The system shall provide a ranking of chess players based on WDL (Wins/Draws/Losses).

The system shall provide to users the capability to view his personal data and change password or current email.

The system shall provide to users the capability to challenge other players to play.

The system shall provide to challenged players the capability to accept or refuse the request.

The system shall provide a result of a match, based on the difference between the Chess Rating of the 2 players.

The system shall update the Chess Rating of the players based on the result of the game.

The system shall provide special users (admins) that are able to create new users, change Chess Rating of a user and delete a user.

The system shall provide to users the capability to view another user`s profile.

The system shall provide the capability to log out a user.