

Approved
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Paragraph:

The database will be storing information for singles tennis tournaments, in the point of view of a tournament organiser/data provider. There will be six entities:

Tournament, Players, Matches, Stadiums/Courts, Spectators and Tickets. The organization aspect will involve court numbers/tickets and spectators, whilst data provided will be relevant to player and match stats. We will be choosing the Web Front-End Option for Part 3. Users will be able to query this database to discover player stats and match outcomes (E.g. who won which match, what those match statistics were, what the player statistics in the tournament were, what their overall statistics are, etc..). As well as looking at logistics, enquiries about where the matches are taking place, ticket prices, and spectator statistics. Challenges will involve the large number of features we will have to include in this database, as well as looking at the relationships between the entity sets. Some are not so obvious, particularly with the tickets (can be different types), not necessarily one to one relationships (1 ticket may not be to 1 match) and name changes etc. Additionally how to deal with suspended matches that possibly move courts/days.

We will fill all the player and match data with real data from Jeff Sackmann tennis atp github. The spectator and ticket details may require further research /fill in fake data.

Contingency plan: Deal only with the players/matches/tournaments and maybe courts, as the data is already there in csv's.