1. User authentication

Players details we will keep in the database, no need to have means to register them. Information stored in the database will be shown when players are found during reservation booking. Details also shown when existing reservations are viewed.

1. Register (player) ← No need to provide functionality to register players.

* name
* Email -x
* Password-x
* picture
* country
* rank
* tournament\_seeding
* handiness
* booking (array)
* tournament status(Singles-In or Out, Doubles-In or Out, Qualifying-In or Out)
* comments (two fields)

Here users can be created directly via database too. Only username and password are sufficient.

1. Login (player, admin)

* email
* password

Default is Today Booking with an easy way to switch to tomorrow. Should be able to recall previous dates too.

1. Booking –Functionality to easily search players to enter into the booking must be in place (smart search).
2. Create

* courtNumber
* booker, start\_time, time\_slot(0.5, 1, 1.5 … ), players
* Reservation\_type (match warm-up, practice)
* Default reservation is 1hr practice, and 30 minutes match warm-up but user making reservation should be able to extend the time (maybe drag the reservation down).

1. Edit/Delete
2. Court construction

* Court number
* Blocked
* Kind: ATP or WTA
* bookings

1. Scheduling Grid
2. Search Function
3. Stadium, Grandstand, Court(Configuration)
4. Name
5. Number
6. Notification system
7. Admin
8. Court management

* Block courts/Release blocked courts, mark courts for special events.
* access to courts reserved for seeded players
* Setup
* Assign courts for ATP/WTA, Setup if the scheduling is for Practice Courts (Full Hour) or Match Warmups (30minutes)
* Control scheduling being on full hour (8:00AM, 9:00AM) or (8:15, 8:45, etc) (8:30, 9:30, etc). By default the scheduling is on a full hour.
* Administrators will also assign specific Hitting Partners, their names.

1. Log booking change/edit