Court booking system

We are building a WordPress solution. One of the features that need to run on mobile (both Android and iPhone) is waiting list management.

This needs to work almost identical on the website, tablet and mobile. The overview is:

- define a location, number of courts, and name of the court (admin), vicinity to the doors, adding location picture
- allow users to add their names to the waiting list
  - choose to bundle 2 or 4 people together for the next best fit
  - Make the re-entry automatic
- send a signal that the court is empty now
- send notification that the next group is up

As admin I want to define a location and its courts format, names and the door's location on the courts so that players can sign up to play on them

Acceptance criteria

- [ ] Admin can name the location, address and zip code
- [ ] Admin can enter number of the courts and number them
- [ ] Admin can number the courts in any sequence that matches the real numbering off the courts
- [ ] Admin can define their layout - **second version**
- [ ] Admin can inactivate one or more courts; take them out of the available pool - **second version**
- [ ] Admin can add one or set of pictures with description to better help the players find the court
- [ ] As admin I can define the direction of the court layout North/West/South/East. Each court should have a clear direction tag.
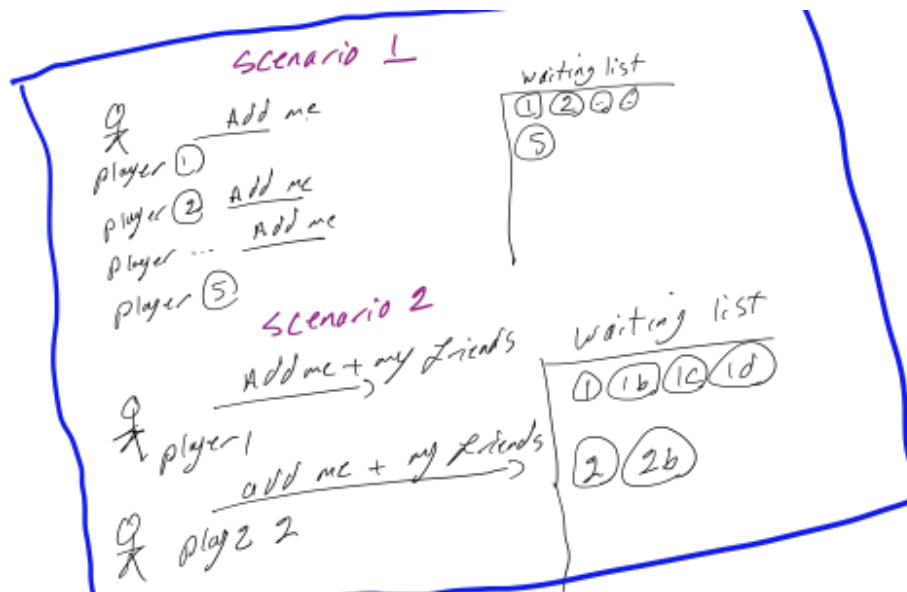
North West	North	North East
South West	South	South East

In case there are more courts on either direction, the system should fill the middle courts with numbers. For example:

North West	North 1	North 2	North 3	North 4	North East
South West	South 1	South 2	South 3	South 4	North East

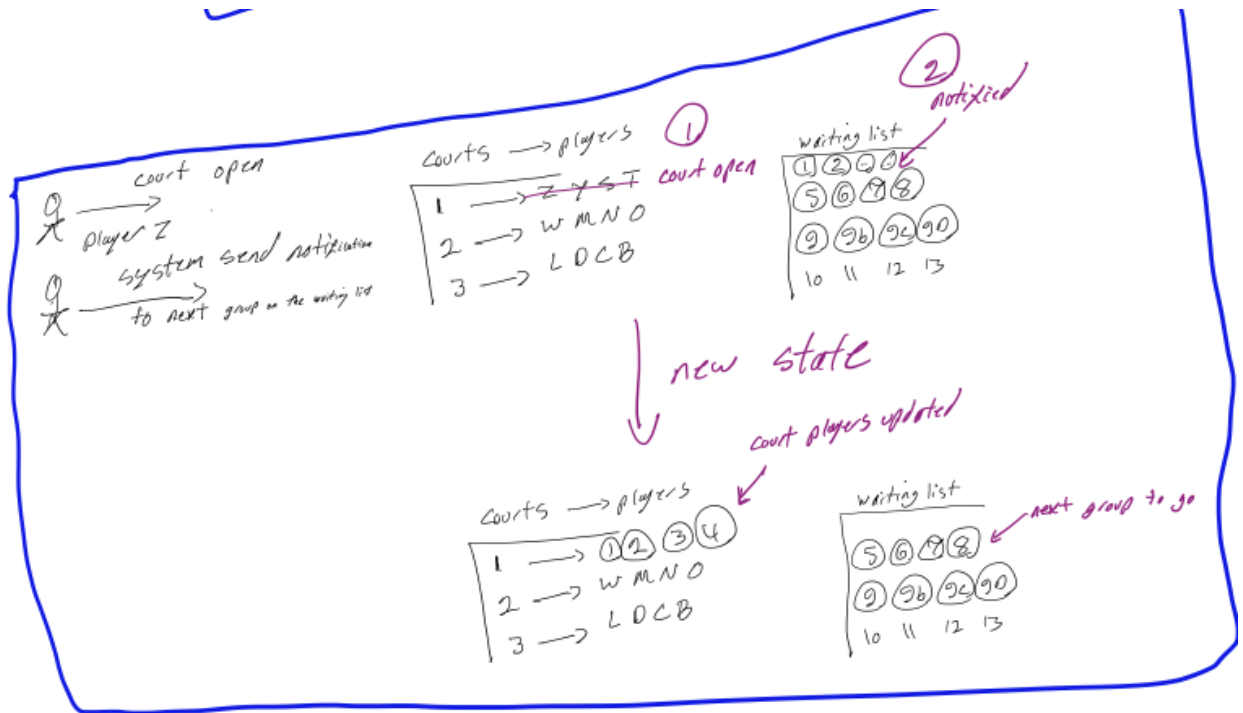| North West	North East
West 1	East 1
West 2	East 2
West 3	East 3
South West	South East

As player I want to add my name to the bottom of the existing waiting list so I can start playing as soon as possible

Acceptance criteria

☐ Player needs to be a member of website members. No guest or people who are not registered can use any of the features in the app

☐ Player(s) gets a notification (plug-in first and eventually will use mobile text) when her turn is reached, the court number and name of the partners

☐ Player can take her name off the waiting list

☐ Player can enter up to 3 other players' name (her team)

☐ Player can add up to three guests with their name in format of John-guest-mark, John-guest-Jack

As player or admin, I want to mark a court free/empty so the next set of players can start playing

Acceptance criteria

☐ After average played time on that court + x minutes of courtesy send a notification to get confirmation that the player still is playing **future feature**

As player I want to be able to automatically be added to the waitlist alone or with the same partners as I come off the court so I do not have to re-submit it all the time

As player I want to know estimated time that I need to wait so I can plan my free time
Acceptance criteria

☐ System shall show the updated average time which is calculated by time taken from courts occupied to courts freed

☐ System shall announce no average time known if there is not enough data to provide the average wait time

As player I want to have a list of my friends saved so I can quickly look them up and add to the waiting list **future feature**
Acceptance criteria

☐ Player can save the group so that they can add them to the waiting list with one touch

☐ Saved group can be edited to add and remove players. The edited group gets a new name

☐ Groups can be deleted and modified

As player I want to have an option to specify if I want to play with other players at par or close to my skillset so I can enjoy more competitive games

Acceptance criteria

☐ The player rating is extracted from the player's profile

☐ There needs to be an acceptable range say +- 0.5 or +- 1.0 to match

☐ If this option is used the "expected waiting time" should calculate where on the waiting list is the best match to display the "expected waiting time"

As system I want to log all the activities of a player and court so I can run analytics to help the court admin to better manage her courts AND to help the player to keep track of her participation and exercises

Acceptance criteria

☐ Activities logs are immutable (once written cannot be changed or deleted

☐ Logs should have a clear location, data, time started playing on court, time finished the game (marked by court free), partner names

☐ Record of the result **optional/future feature** as we are trying to minimize friction but if volunteered, it should be recorded in log of activities

☐ The log should contain these data

- Court number
- Start time
- End time
- Who played, if unknown always use guest