



NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina

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SportMeet

Stage 2:

User and task analysis

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User Analysis:

Athlete:

This user is a sports enthusiast, always looking for a good game. The *Athlete* will explore and book available fields, join scheduled games, or create their own matches to play with friends or even with strangers. It's the ideal way to find challenges, socialize, and stay active.

Host:

This user owns or manages a sports court and wants to optimize it. With our app, the *Host* can list his space for reservations, set reservation conditions, manage bookings, and manage court availability.

Task Analysis:

List space for reservations:

1. *User:* Host.
2. *Objective:* Allow the *Host* to list a space for reservations.
3. *Pre-Conditions:*
 - a. The *Host* must be signed into the app.
4. *Sub-Tasks:*
 - a. Set characteristics (name, localization, number of courts, prices, availability, hosts).
5. *Frequency of use:* Rarely.

Manage court availability:

1. *User:* Host.
2. *Objective:* Allow the *Host* to set/update the availability of the space.
3. *Pre-Conditions:*
 - a. The *Host* must be signed into the app.
 - b. The space/court must be listed for reservations.
4. *Sub-Tasks:*
 - a. Select your space/court for edit/update.
 - b. Set the availability of the space/court.
 - c. Set the dates for the field status.
5. *Frequency of use:* Rarely.

Make a reservation

1. *User:* Athlete/Host.
2. *Objective:* Allow the user to schedule a sports field.
3. *Pre-Conditions:*
 - a. The user must have a registered account on the app and must be logged in.
 - b. There must be fields registered in the app and available for booking.
4. *Sub-Tasks:*
 - a. The user must select the sport, location, and desired date.
 - b. The user must select one of the available fields, choose the most suitable time slot, and the desired capacity.
 - c. The user must proceed with the payment method by selecting one of the available options.

5. *Frequency of use:* Regularly.

Cancel a Reservation

1. *User:* Athlete/Host.
2. *Objective:* Allow the user to cancel a sports field reservation.
3. *Pre-Conditions:*
 - a. The user must have a registered account on the app and must be logged in.
 - b. There must be a reservation made by the user. If the user is the host of the field, he can cancel any reservation made by any user for that field.
4. *Sub-Tasks:*
 - a. The user must search and select the reservation he wants to cancel.
 - b. The user must confirm that he wants to cancel the reservation.
5. *Frequency of use:* Occasionally.
6. *Time Constrains:* The user can only cancel the reservation up to 24 hours before the scheduled time.

Join a Reservation

1. *User:* Athlete.
2. *Objective:* Allow the *Athlete* to join a sports field reservation.
3. *Pre-Conditions:*
 - a. The *Athlete* must have a registered account on the app and must be logged in.
 - b. There must be a reservation made by another user.
4. *Sub-Tasks:*
 - a. The *Athlete* must either search a public reservation and select to join it or search a private reservation and request to join it.
 - b. The *Athlete* must confirm that he wants to join the reservation.
5. *Frequency of use:* Occasionally.

Finding someone with similar sports interests:

1. *User:* Athlete.
2. *Objective:* Allow the *Athlete* to find someone with similar sports interests.
3. *Pre-Conditions:*
 - a. The *Athlete* must be signed into the app.
 - b. The *Athlete* must have specified which sports they are most interested in, as well as the characteristics they are looking for in the other person (gender, age, etc.).
4. *Sub-Tasks:*
 - a. Select to search.
 - b. Select whether or not they are interested on establishing contact with the person.
5. *Frequency of use:* Frequently.

Relevant Scenarios:

Scenario 1:

Host Registering and Managing Court Availability.

Scenario:

You own a sports field and want to get more people to use it. Register it in the app. Keep in mind that the field is only available for bookings from Monday to Saturday, from 9AM to 8PM, and it will be closed during December.

Scenario 2:

Athlete Checking Availability and Booking a Game at 3 PM, next Saturday.

Scenario:

You're free to play at 3 PM on the next Saturday. Check if anyone's willing to play at that time. If not, make a reservation yourself. Be ready for others to join.

Scenario 3:

Athlete Looking for a Weekend Sports Partner.

Scenario:

You're looking for someone to play basketball with on the weekends. Try to find someone with the same interests as you. If you find someone, try to exchange contacts and arrange a meeting.

Interviews:

Three people were interviewed, namely interviewee 1 (I1), interviewee 2 (I2), and Interviewee 3 (I3). Their responses were as follows:

Question 1 - What do you think about the idea of an app for finding people for sports activities?

I1 – I find it interesting, especially for those who don't have someone to exercise with or want to meet new people.

I2 – I think it's an innovative idea that will allow me to combine some activities with people I don't know, who could become my friends, where we can both practice sports and enjoy moments of socializing.

I3 – It's a fun idea, since I'm always inviting the same three friends to play basketball on the weekends, and they usually can't make it or don't show up.

Question 2 - Would you like the app to have a booking system for sports fields or spaces?

I1 – Yes, that would be very convenient, as it would organize everything in one place without complications.

I2 – Yes, I think it would be an added value. This way, I could make reservations for various events within the same app without having to go to the locations in question or search for the field's website.

I3 – I would love that! Whenever we plan to rent a court, no one wants to take charge of calling and booking it. If the app could automate that, it would be excellent.

Question 3 - Do you think it would be useful if the app suggested activities based on your interests and location?

I1 – Absolutely, it would be great to receive suggestions that match my profile and regular activities.

I2 – I think it would be an interesting feature, as it would allow me to learn about the various events happening throughout the year and find information about them all in a single app.

I3 – Personally, I think so. The only sports I usually practice are basketball and kickboxing, but I like to try new things. For example, I would like to try tennis or padel, but I don't have anyone to go with, and I don't know where I can try.