

# **ShareYourSport**

Human Computer Interaction project

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## OVERVIEW

- Introduction to ShareYourSport
- Requirement analysis
- Task analysis: HTA and STN
- Mockups
- Prototype 1
- Heuristic evaluation
- Prototype 2
- Think aloud session
- Controlled experiment
- Future development

## INTRODUCTION

### What is ShareYourSport?

The app serves as a medium to connect each other all the people who share the same passion for a sport and in general for physical activities. The main objective of the app is to give the possibility for the user to connect with others joining sport events or creating them. In addition to this, we also thought to arrange the app in a way to allow, also through future developments, for other activities like sharing their workout and their statistics, make a public challenge with the possibility to take them directly from their favourites sport app.

## COMPETITORS ANALYSIS

|                  | SPYN   | Running (Adidas)  | GoSporto  | Oyeplay   | ShareYourSport   |
|------------------|--|---|---|---|--|
| Pros             | <ul style="list-style-type: none"> <li>• Hire sport coaches</li> <li>• Find sport club near you</li> <li>• Find user of similar level</li> </ul> | <ul style="list-style-type: none"> <li>• Create workout</li> <li>• Create challenge</li> <li>• Food advice</li> </ul> | <ul style="list-style-type: none"> <li>• Wide range of sports</li> <li>• Find user of similar level</li> </ul>                | <ul style="list-style-type: none"> <li>• Hire sport coaches</li> <li>• Easy to find a player</li> </ul>           | <ul style="list-style-type: none"> <li>• Easy to find an event and join it</li> <li>• Easy to create a new event</li> </ul>                          |
| Cons             | <ul style="list-style-type: none"> <li>• No workout explanation</li> <li>• Active only in Bangalore and Mumbai</li> </ul>                        | <ul style="list-style-type: none"> <li>• Too much advertisement</li> <li>• Premium facilities</li> </ul>              | <ul style="list-style-type: none"> <li>• Not free</li> <li>• No workout explanation</li> <li>• Low number of users</li> </ul> | <ul style="list-style-type: none"> <li>• No workout video explanation</li> <li>• Present only in India</li> </ul> | <ul style="list-style-type: none"> <li>• No possibility to use an internal chat</li> <li>• No possibility to share events on social media</li> </ul> |
| Booking an event | ✓  | X   | X   | ✓   | ✓  |
| Community        | ✓  | X   | ✓   | ✓ (only India)  | ✓  |
| Statistics       | X  | ✓   | ✓   | X   | ✓  |

## USER PROFILES

|                     | Student                     | Worker                        |
|---------------------|-----------------------------|-------------------------------|
| Age                 | 18 – 26                     | 20 – 32                       |
| Gender              | Equally distributed         | Equally distributed           |
| Location            | Everywhere                  | Everywhere                    |
| Education           | Bachelor's degree or higher | High school diploma or higher |
| Status              | Single or engaged           | Engaged or married            |
| Hours of work/study | Between 4 and 8 hours       | 8 hours or more               |
| Practice sport      | Yes, 2 – 3 times            | Yes, 1 – 2 times              |

# USER PROFILE - STUDENT

## User Profile

- Gender: Male
- Age: 24
- Status: In a relationship
- Level of education: Bachelor's degree
- Hours of study: 6 hours
- Practice sport: Yes

## Persona

Alex is a 24 old guy which is an out-of-town student attending his master's degree in mechatronic engineering and due to this he is very committed to study. Nevertheless he has always played some sports and he would like to have an app that will allow him to involve in some outdoor sports or activities his girlfriend and his friends when he is at his hometown and to find for other playmate when he is out-of-town. He has always played football but he is interested also to athletics and like a lot to keep track of his progresses.

## Scenario

It is the middle of the summer, Alex has done all the exams and he is coming back to his hometown. He likes a lot to spend time outdoor so he would like use an app to join, in the weekend, some of its friends to play football or to find a colleague who wants to practice some running on the beach. In particular, he wants that the app easily allow for creating an event specifying the time and the location and connects with who has agreed to join him.

## USER PROFILE - WORKER

### User profile

- Gender: Female
- Age: 26
- Status: Single
- Level of education: High school diploma
- Hours of work: 8 hours
- Practice sport: No

### Persona

Vanessa is a 26 years old lady which lives in a big city, namely Rome. From many years she is working as a secretary in a law firm and for this reasons everyday she has lots of work to do. However she want to practice some sports in particular indoor sports like yoga but to make it more engaging she would like to practice it together with other girl who has the same interest and little time available.

### Scenario

It is Saturday, she has not to work and she would like to spend the afternoon practising yoga. In order to do this she would use the app to organize an event, stating the location, the time, the length of the workout and what sport to practice. She wants that the app will push someone else to join her. Furthermore, since she wants to practice an in- door sport, she wants that the app will suggest public space in which do that besides the possibility to do workout at home.

# QUESTIONNAIRE

**HCI Project - App for sport**

Having analyzed some test, we have found that in general student and workers spend too much time studying or working so the idea is to build an app for encouraging them to start doing sports.

\*Campo obbligatorio

Indirizzo email \*

Il tuo indirizzo email

Are you male or female? \*

Female  
 Male  
 Prefer not to say

How old are you? \*

18 - 24  
 25 - 32  
 33 - 40  
 40+

What is your status? \*

Single  
 Married  
 In a relationship

What is your level of education? \*

High school diploma or lower  
 Bachelor's degree  
 Master's degree or higher

During the day, how many hours do you spend studying or working? \*

Less than 2 hours  
 Between 2 and 4 hours  
 Between 4 and 8 hours  
 More than 8 hours

Do you practice sports? \*

Yes  
 No

**HCI Project - App for sport**

\*Campo obbligatorio

You DO NOT practice sports

Would you rather play a team sport or an individual sport? \*

Team sport  
 Individual sport

Which of these sports would you rather do? \*

Indoor sports (e.g. basket, athletics, gym, boxe)  
 Outdoor sports (e.g. football, running, tennis, biking, climbers)  
 Water sports (e.g. swimming, water polo, diving, kayak)

Why can't you play any sport? \*

Little time available  
 Lack of motivation  
 I don't know anyone to practice it with  
 Altro: \_\_\_\_\_

What could prompt you to change your mind about that? \*

A person who motivates you (e.g. a personal trainer)  
 Playing sports with other people  
 Short training session  
 Altro: \_\_\_\_\_

What features would you like to have in a sports app? (1 - not so important, 4 - very important) \*

|  | 1                     | 2                     | 3                     | 4                     |
|--|-----------------------|-----------------------|-----------------------|-----------------------|
| Personal stats   | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Personal trainer   | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Reservations for sporting events                             | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Creation of a community of people who share the same passion | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What other functionality would you put in a sports app?

La tua risposta

In your opinion, can sport bring people together? \*

Yes  
 No  
 Maybe

**HCI Project - App for sport**

\*Campo obbligatorio

You DO practice sports

Do you practice an individual or team sport? \*

Team sport  
 Individual sport

How many times a week do you play sports? \*

Once a week  
 Two/three times a week  
 Four times or more

Which of these categories does the sport you play belong to? \*

Indoor sports (e.g. basket, athletics, gym, boxe)  
 Outdoor sports (e.g. football, running, tennis, biking, climbers)  
 Water sports (e.g. swimming, water polo, diving, kayak)

What features would you like to have in a sports app? (1 - not so important, 4 - very important) \*

|  | 1                     | 2                     | 3                     | 4                     |
|--|-----------------------|-----------------------|-----------------------|-----------------------|
| Personal stats   | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Personal trainer   | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Reservations for sporting events                             | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Creation of a community of people who share the same passion | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What other functionality would you put in a sports app?

La tua risposta

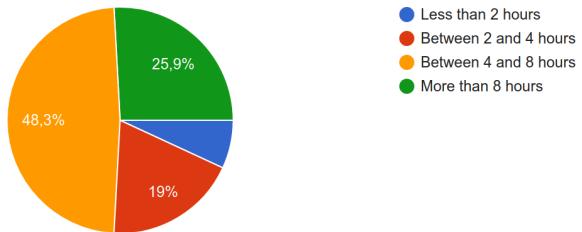
Are you part of a community/group of people with whom you practice sport? \*

Yes  
 No

# QUESTIONNAIRE: SOME RESULTS

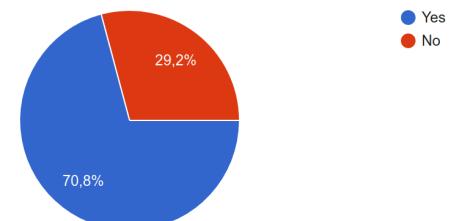
During the day, how many hours do you spend studying or working?

58 risposte



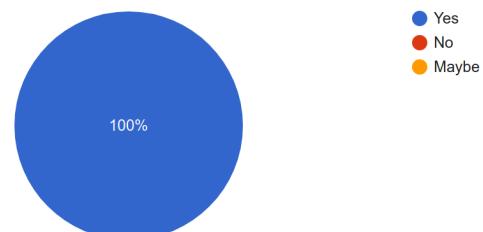
Would you like to meet new people who share your passion for sport?

24 risposte

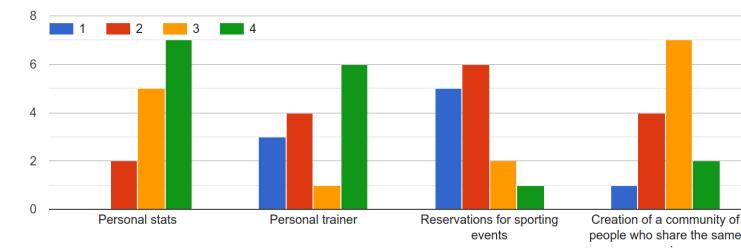


In your opinion, can sport bring people together?

14 risposte

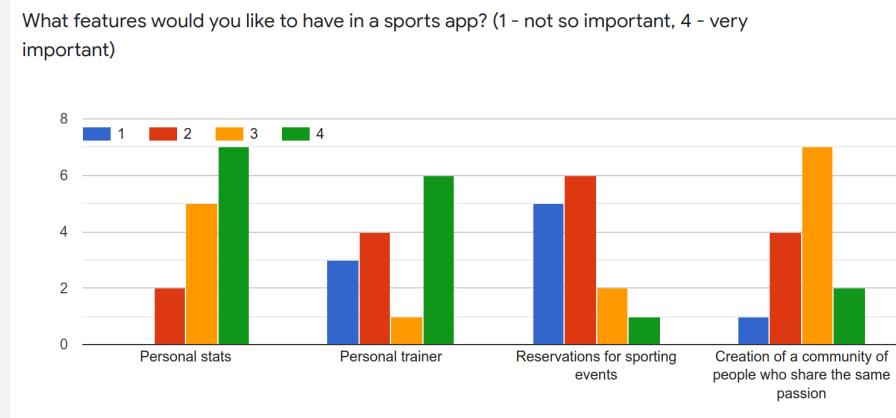


What features would you like to have in a sports app? (1 - not so important, 4 - very important)



## AN IMPORTANT RESULT

Because of this result we had to further examine why the target group has prioritized the use cases "**personal stats**" and "**personal trainers**", in order to do this we used a focus group.



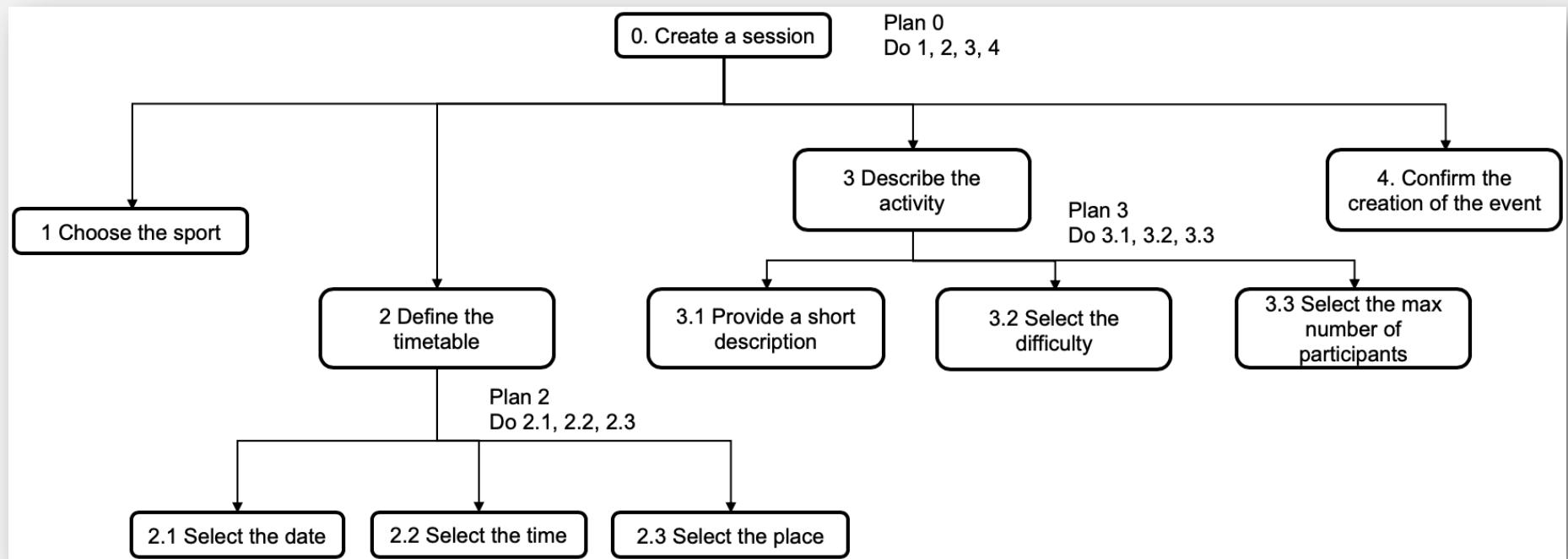
Our initial hypothesis were:

- users are influenced by other market player so they think those functionality as obvious for such kind of app
- users are influenced by the restriction imposed by the current emergency.

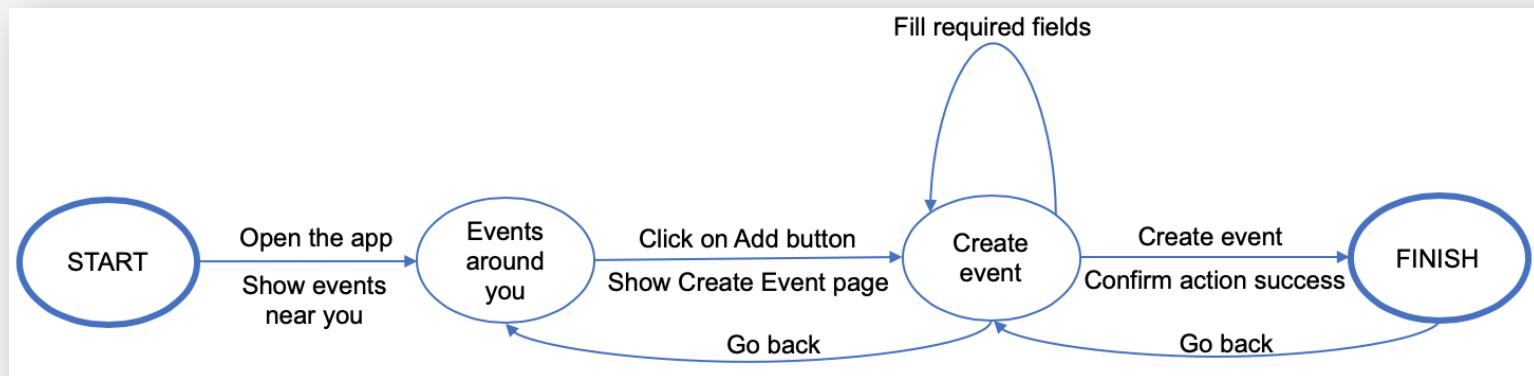
Most of them confirmed our hypothesis that the user in this moment, due to the restriction to stay at home, is subject to use smart applications and all of them have the features of personal trainers and stats.

Furthermore, most say that they would be willing to share their information and workouts from other applications with the goal of not giving up the flexibility of being able to use multiple different workouts depending on the application you use.

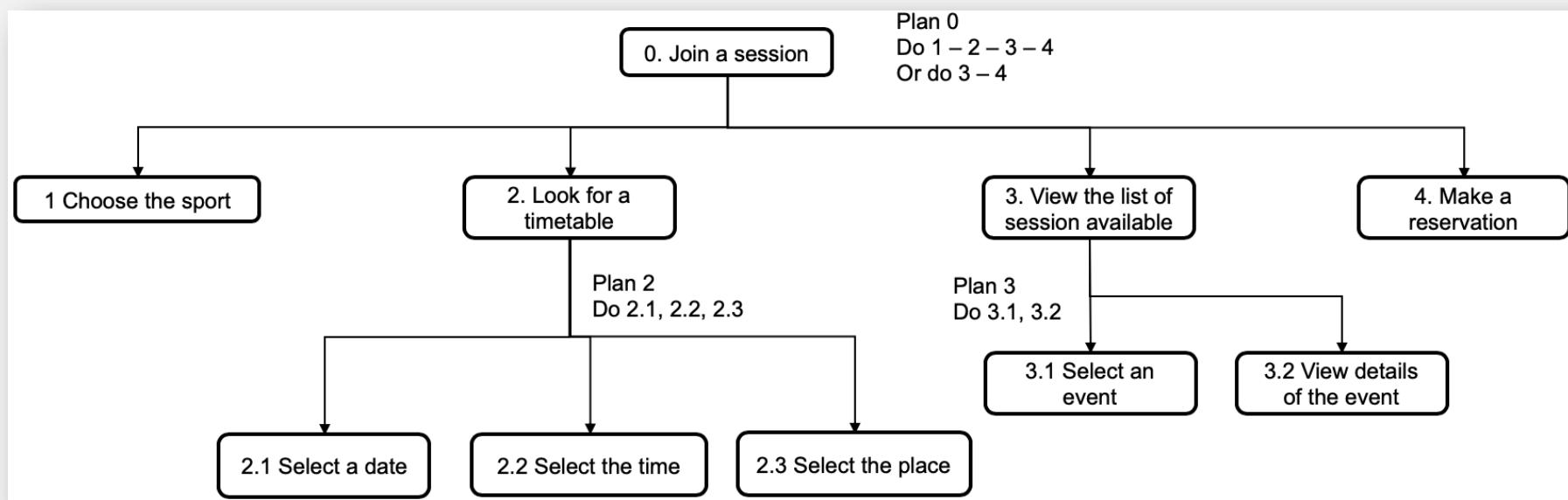
# HTA- CREATE AN EVENT



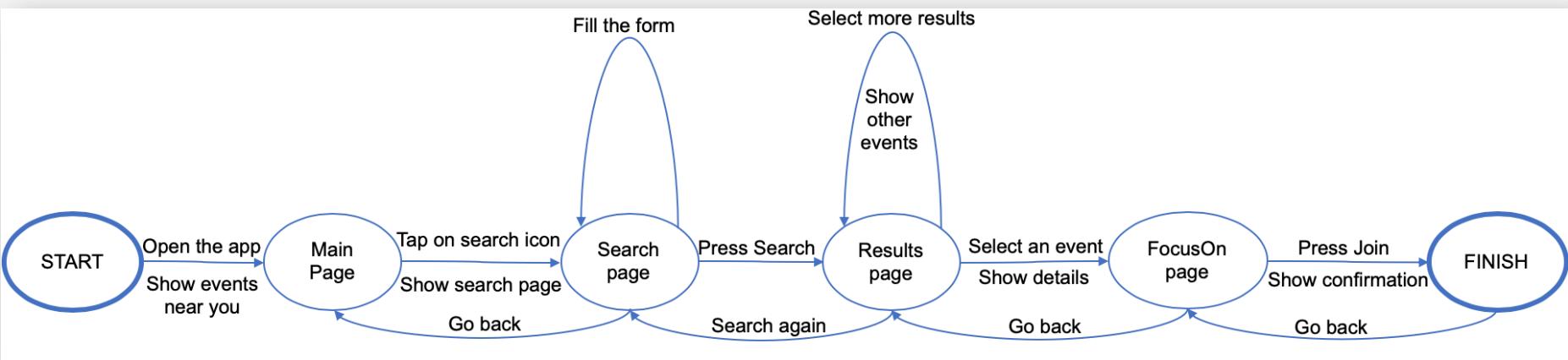
## STN- CREATE AN EVENT



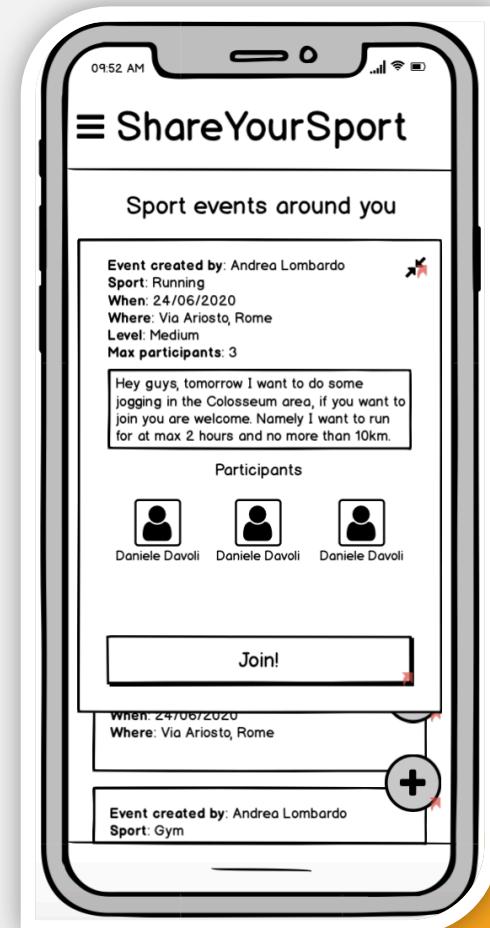
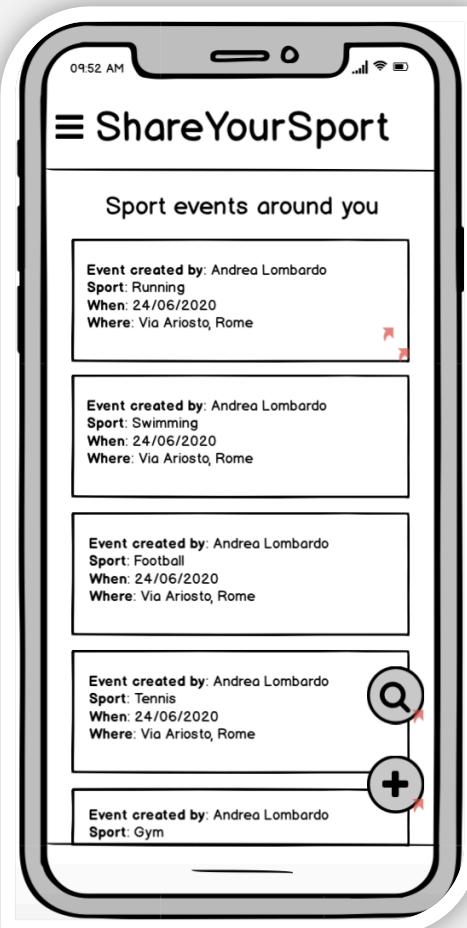
# HTA- JOIN AN EVENT



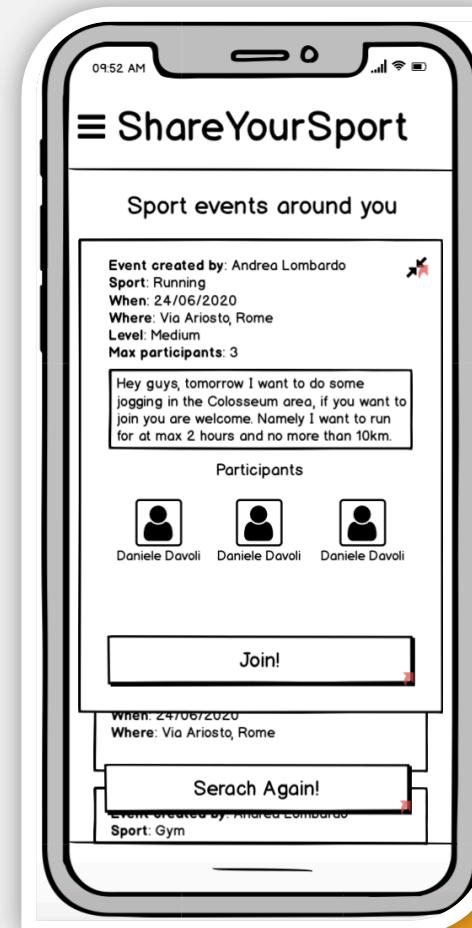
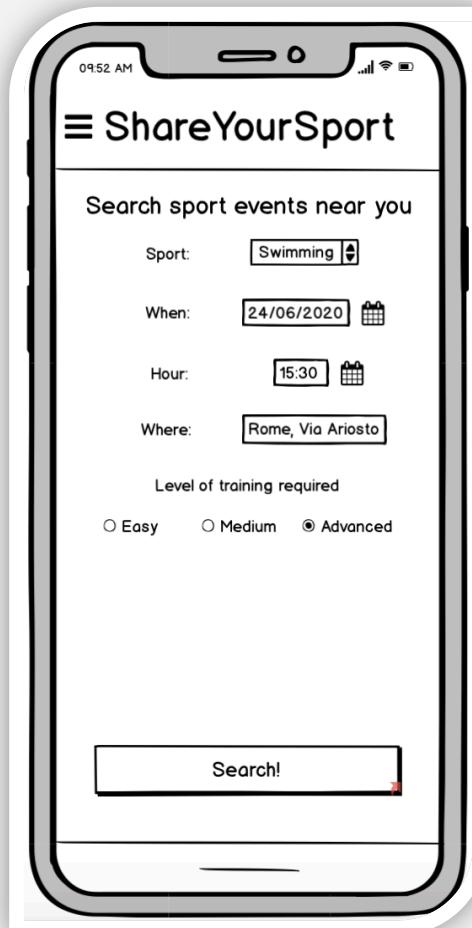
# STN- JOIN AN EVENT



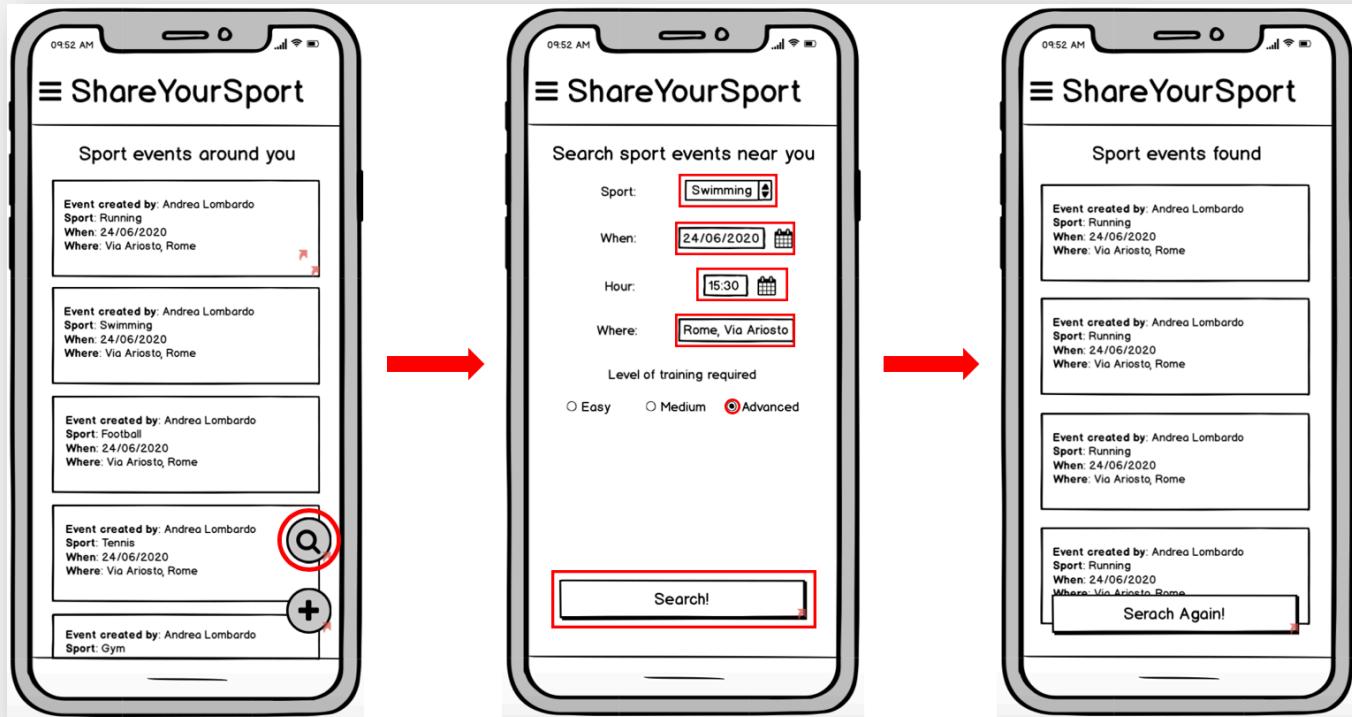
# MOCKUPS

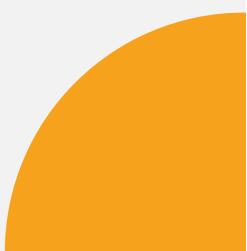


# MOCKUPS



## MOCKUPS: JOIN AN EVENT





# PROTOTYPE 1

## HEURISTIC EVALUATION

| <b>Frame</b>                 | <b>Heuristic violated</b>                               | <b>Severity</b> | <b>Description / Comment</b>  |
|------------------------------|---|-----------------|---|
| Login page                   | Help users recognize, diagnose and recover from errors  | 3               | Include a Forgot password? link   |
| Sport events around you      | Error prevention<br>Recognition rather than recall      | 3               | The magnifying glass icon overlaps one event. It seems that can access event details and not that you access the search function. |
| Search sport events near you | User control and freedom                                | 3               | Users could need a clearly marked "emergency exit". Put a "cancel/back" button  |
| Your Events                  | User control and freedom                                | 3               | Some search function or could be useful.  |
| Search sport events near you | User control and freedom                                | 2               | Search by event participants/creator could be useful.   |
| Search sport events near you | Help users recognize, diagnose, and recover from errors | 3               | Provide cancel participation function   |



## PROTOTYPE 2

## CONTROLLED EXPERIMENT

## ANALYSIS OF VARIANCE (ANOVA): THE INTERFACES

Inserire immagini delle due interface

## ANALYSIS OF VARIANCE (ANOVA): RESULTS

Inserire immagini del risultato di excel

## ANALYSIS OF VARIANCE (ANOVA): CONCLUSION

$F > F_{crit}$  

Inserire immagini del risultato

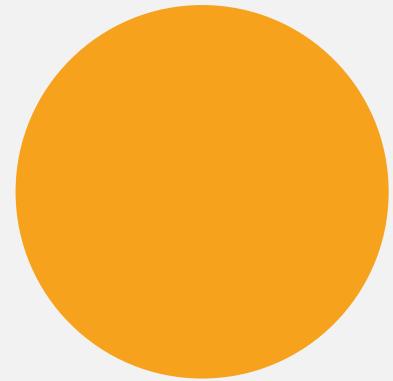
## FINAL PRODUCT: PROTOTYPE 1

Inserire immagini del risultato



## CONCLUSIONS





Thank you for the attention!