Software Requirement Specification

User stories

Participants

Sign Up
- As a (future) participant of the RIAlly, I want to be able to sign up for the RIAlly so I can participate. estimation cost: 4
- As a participant of the RIAlly, I want to be able to insert personal information into my 'profile' including dietary (ex. vegetarian), so that the organization can take certain things into account. estimation cost: 1

Join team
- As a participant of the RIAlly, I want to be able to join an existing team via a link, so that I can join the team of my friends. estimation cost: 3
- As a vegetarian, I want to be able to indicate my dietary preferences, so that the organization can take this into account for the event lunch. estimation cost : 1

Puzzle
- As a participant of the RIAlly, I want to be able to see the result of my puzzle submissions, so I can repair them. estimation cost: 3

Submission
- As a participant of the RIAlly, I want to have an easy interface where I can upload my photos and videos, so that I do not lose time on uploading stuff. estimation cost: 4
- As a participant of the RIAlly, I want to resubmit answers for Crazy88 if it's the wrong answer , so that I can enjoy the whole question. estimation cost: 2

location based
- As a participant of the RIAlly, I want to access the location-based puzzles, to complete them. estimation cost: 2

Scoreboard
- As a participant of the RIAlly, I want to see the live scoreboard, so that I can see whether I have to speed up. estimation cost: 2
- As a participant of the RIAlly, I want to see points of my own team in the scoreboard, so I can see the progress of the team. estimation cost: 1
- As a participant of the RIAlly, I want to be able to search for teams in the scoreboard, so I can see the progress of certain teams. estimation cost: 2

Planning
- As a participant of the RIAlly, I want to get a planning of the RIAlly day, so that I can adjust my planning of that day. estimation cost: 1

Organisation

Account

View
- As an InterActief organizer, I want to have an overview of all the teams and participants, to tailor the event for them. estimation cost: 2
- As an InterActief organizer, I want to have access to each individual participant's information, to be able to identify and contact them. estimation cost: 2
- As an InterActief organizer, I want to be able to see the players in a specific team, so I can find players based on their teams. estimation cost: 1

Create
- As an InterActief organizer, I want to be able to create a team, so that participants can still sign up after the deadline in special cases. estimation cost: 2
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Puzzle
- As an InterActief organizer, I want to be able to create or modify puzzles, so that I can manage the challenges of the race. estimation cost: 3
- As an InterActief organizer, I want to be able to give points depending on difficulty, so that I can make the challenge attractive. estimation cost: 2
- As an InterActief organizer, I want to be able to submit instead of participants, so that I can manage if an issue happens to the submission system. estimation cost: 3

Overview
- As an InterActief organizer, I want to have an overview of all data submitted by the participants, in order to grade their performance in the games. estimation cost: 1
- As an InterActief organizer, I want teams to get assignments in an ordered way, so that they do not know all the assignments in the beginning. estimation cost: 3

Grade
- As an InterActief organizer, I want to be able to grade submissions, to decide the winners at the end of the event. estimation cost: 2
- As an InterActief organizer, I want to be able to give half points, to give points to close answers. estimation cost: 1

Scoreboard
- As an InterActief organizer, I want to have the option to decide whether or not the scoreboard is public, to make the event competitive. estimation cost: 1

Website
- As an InterActief organizer, I want to modify the website, to make the event attractive so that more people are joining the event. estimation cost: 3
- As a future InterActief organizer, I want the website to be modifiable to adjust it to the next year's theme so that I don't waste time on making a complete new website next year. estimation cost: 3

MoSCoW

Must have:

- admin can create a new team
- admin can have a list of all existing teams
- admin can have a list of all members of a specific team

- admin can give a grade for a submission
- admin can add feedback for a given grade
- participant can create a team
- participant can send a request to other group members to join a team
- participant can sign up for the event
- participant has page for submitting crazy 88 (always available)
- system provides a form to fill in for the sign up
- system should save all data of every participant that signed up
- admin can upload a pdf file for a certain puzzle, challenge, crazy 88

Should have:

- admin can give / remove access to teams to certain puzzles, challenges, crazy88
- admin can view a scoreboard of all teams (when active)
- admin can control whether or not the scoreboard is public
- admin has a page with requests from users to create a team
- admin has a list of all existing teams
- admin has a list of all members of a specific team
- participant can choose a challenge / puzzle / crazy 88 you want to submit a file for
- participant can upload a video of picture
- teams points get updated with the amount of points gained for the submission
- submissions are shown per team in the system
- system check if a participant is a valid user (has signed up for the event / is in the database)

Could have:

- order teams by points
- admin can search teams, members by name
- admin can have an overview of everything submitted by the participants
- admin can see all the submissions per team that are ordered by the time of sending
- admin has a button to show or hide scoreboard
- organizers can give feedback with the grade
- there is a division between graded and ungraded submission in the overview
- have a 'forgot my password'
- when a team gets in a radius of <50> meters it will get access to location based exercises

Won't have:

- raytracing

- team finding system, if someone doesn't have friends 🙁

Sketch

https://cloud.justinmind.com/usernote/prototype/7cc64dfbd0c36910985fd0125a9bebc269aa73d9d9ba7f0ebbd7ea20cec94851 +

Startup page:

<This page is the page that pops up when u open the site>
Login page with a field for an username and a password
Have a button under there to register, which will send you to a page where to fill in the form
Something like this:

sketch:

Rially 2024

Login

[username]

[password]

login

Create a new team

Register pages:

Register page for creating a team:
<Send to this page when you click the register button>
Have a form for personal information and account creation

Questions:
- Username <Open text>
- Email <Open text>
- password (twice) <Open text>
- Allergies <Open text>
- Do you have a car (Maybe?) <Yes, No>
- Name of the team for creation <open text>
<Button to send the form and finish account creation>

Sketch:

Create your own team

Team name

[team name]

Name

[First]   [Last]

Password

[password]   [password again]

Email address

[EmailAddress]

Do you have a car?

◯ Yes   ◯ No

Do you have any allergies?

[ListOfAllergies]

Create account and team

Register page when you get and invite from your friends team:
Have a form for personal information and account creation
Questions:
- Username <Open text>
- Email <Open text>
- password (twice) <Open text>
- Allergies?? (only if food) <Open text>
- Do you have a car (Maybe?) <Yes, No>
<Button to send the form and finish account creation>

Sketch:

Join team <TeamName>

Are you sure you want to join the <TeamName> team?

◯ Yes, this is the team I want to join

Name

| [First] | [Last] |

Password

| [password] | [password again] |

Email address

| [EmailAddress] |

Do you have a car?

◯ Yes   ◯ No

Do you have any allergies?

| [ListOfAllergies] |

| Create account |

Participant pages:

Main participant page:
<you get to this page when you have logged in and you have normal participant rights>
<relay page for all the other functions of the service>
<welcome to the RIAlly graphic, with some photos>(?)
<go to the "playing" page button>
<have personal info>
<have team info>
<scoreboard (if visible)>

***Sketch*:**

RIAlly 2023

PLAY	PUZZLES	SUBMIT	TEAM	SCORES	GALLERY	CONTACT

Welcome, <PlayerName>!

Current team: <teamname>

Scoreboard (if visible):

1	<team1>	<team1score>
2	<team2>	<team2score>

[Short introduction of the game]

"Playing" page:

<interactive map with clickable challenge markers on it>
<grid with challenges, their status and grade received (if graded)>
<In the corner a button for all crazy88 challenges>

Sketch:
<Still need to make>

Crazy88:
<List of all the Crazy88 tasks>
<Name of the task>
<More involved description of each task>
<Grade received (if submitted + graded)>
<Feedback received (if submitted + graded)>
<Each task has a submit button next to it (if submission open)>

Sketch:

Puzzles:
<Overview of all challenges>
<Unfinished challenges and finished challenges>
<Score at finished challenges>
<Upload possibility for unfinished challenges>
Sketch:

Puzzle:

<Individual page of a puzzle>
<All the data for that puzzle>
<Score>
<Submission field>
Sketch:

Example Puzzle

Puzzle Image
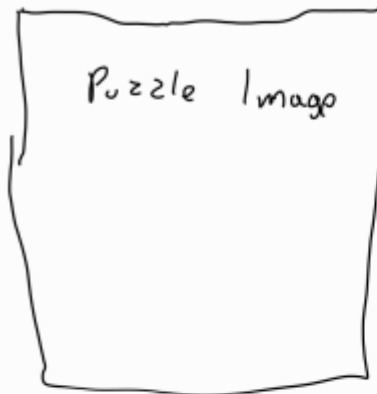
Description:
puzzle.pdf

Submit

Submitted	Y/N (✓)
Grade	0/10
Feedback	You did something completely....

↑
Click to extend
full message

Challenges

Unfinished challenges ▼

Challenge One	Upload
Challenge two	Upload

Finished challenges ▼

Challenge one	Score
Challenge two	Score
Challenge three	Score

add submission:
<Participant can upload a video or photo>
<Hand in button>
<Cancel button>

Sketch:

Upload Here

Challenge Name

Organizer pages:

Main organizer page:
<you get to this page when you have logged in and you have organizer rights>
<relay page for all the other functions of the service>
<button for redirecting to page for adding challenges>
<button for redirecting to page for adding crazy88>
<button for redirecting to the team management page>
<button for redirecting to the submission page>
<button for redirecting to scoreboard>

Sketch:

Team Management page:
<creating, editing and deleting teams>
<creating, editing and deleting participants>
<overview of teams and participants>
<can click on each individual participant and see their personal data>

Sketch:

Team management

HOME	PLAY	PUZZLES	SUBMIT	SCORES	GALLERY	CONTACT

Overview of <teamname>

NAME	USERNAME	MOBILE NUMBER	E-MAIL	(for admin)
<name1>	<username1>	<number1>	<email1>	EDIT
<name2>	<username2>	<number2>	<email2>	EDIT
<name3>	<username3>	<number3>	<email3>	EDIT
<name4>	<username4>	<number4>	<email4>	EDIT
<name5>	<username5>	<number5>	<email5>	EDIT

Invite link (only for captain): <link>

Confirm team (only for admin)

Leave Team

Delete team (only for captain)

Challenges:
<overview of all challenges>
<each challenge is a pdf>
<For every challenge there is a button to edit or remove challenges>
<edit button is just uploading another pdf to the same challenge>
<button to add challenges>

Sketch:

Challenges

HOME	CRAZY88	TEAMS	SUBMISSIONS	SCORES

All challenges:

NAME	DESCRIPTION			
<challenge1>	<description1.pdf>		EDIT	DELETE
<challenge2>	<description2.pdf>		EDIT	DELETE

Add new

Add Challenge Page:
<be able to upload a pdf>
<field for adding name of a challenge>
<field for points for the challenge>

Sketch:

Add challenge:

Name:	[Insert name]
Description (pdf)	[upload pdf]
Points	[give points]

Submit		Cancel

Submission page:
<tab for all upgraded submissions>
click on a submission -> open the submission -> (overview of team, submission itself, person who uploaded)
Grade the submission with points (0 >= points <= max points)
Have a feedback field for wrong submissions.

<tab for all graded submissions>
<Overview of all submissions ordered by team>
<every submission shows amount of points + feedback given>

Sketch:

Submissions

HOME	CHALLENGES	CRAZY88	TEAMS	SCORES

Ungraded submissions: | Ungraded |
|---|

Graded submissions: | Graded |
|---|

Ungraded submissions

Back to overview

Challenge	Time	Team	
<challengename1>	<time1>	<teamname1>	OPEN
<challengename2>	<time2>	<teamname2>	OPEN

Grading page

Back to ungraded

Challenge name: <challengename>

Challenge description: description.pdf

Time of submissions: <time>

Team: <teamname> (link to view team)

Submission: submission.png

Points: [Insert number of points here]

Grade submission

Graded submissions

Back to overview

Challenge	Time	Team	Grade
<challengename1>	<time1>	<teamname1>	<grade>
<challengename2>	<time2>	<teamname2>	<grade>

Crazy88:
You can upload a pdf file for all the crazy88 challenges

Sketch:

Add Crazy88:

Description:

[Upload pdf here]

Submit   Cancel

Scoreboard page:
<Overview of all teams + points, ranked from most points down>
<Button for having the scoreboard public or not (for participants)>

Sketch:

Scoreboard

| HOME | PLAY | PUZZLES | SUBMIT | TEAM | GALLERY | CONTACT |

Current scoreboard:

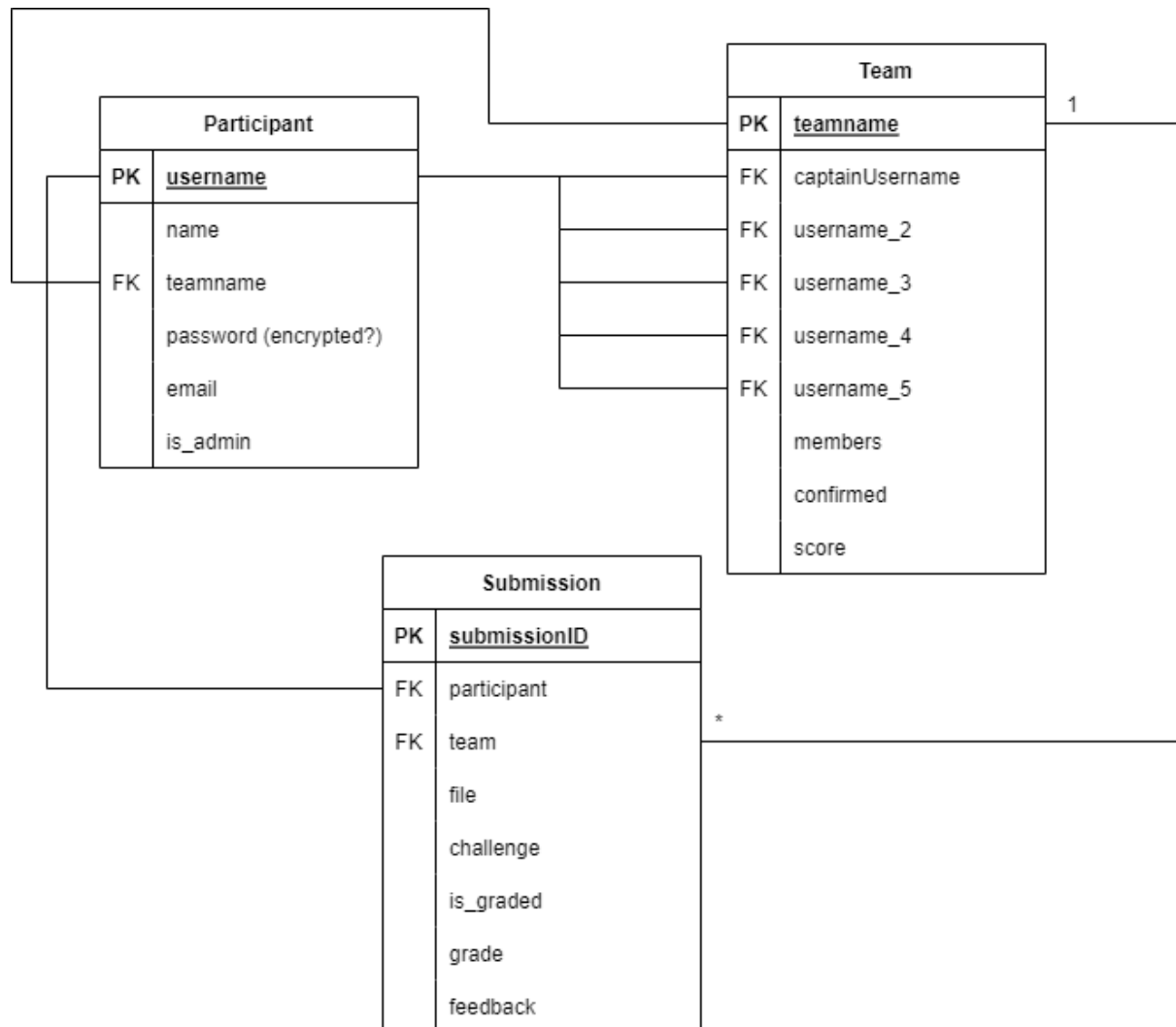| PLACE	NAME	SCORE
1	<team1>	<score1>
2	<team2>	<score2>

[Search for team]

Toggle visible (for admins)

Database:

Initial database design:

In our database, we will use 3 tables. The Participant table holds information about a player who joins the race, or an organizer. To differentiate, we use a boolean (is_admin). The username will be a unique ID, which identifies a certain user, this means it can't be duplicated.

The Team table holds information about the teams. An entry gets created, when someone fills out the form. The username fields get filled when the players join the team via link. To participate, a team has to be confirmed by an organizer. The score of the team is calculated based on the grade of the submissions connected to the team.

The Submission table holds information about each submission made. We use a custom created ID as a primary key to avoid inconsistencies. A submission is linked to the uploading player and the corresponding team.