

# kancl.online: virtual office environment – specification

## Overview

The application kancl.online provides the possibility to emulate the real office environment in the online world. Users are able to meet others and interact with them. The whole concept should help to engage users and help them to communicate remotely. Therefore we need to cover the main functionality which allows users to feel good in this online world. The world where they are is the 2D visualization of the office viewed from the top. This idea is based on this reference application <https://www.rctogether.com/>.

This is why we need following functionality to be delivered:

ID	User Story	Priority	Notes
US5	As a user I am displayed in the 2D world of the office.	MUST	
US6	As a user I can walk with my avatar in the office.	MUST	
US7	As a user with additional rights I can modify the structure of the online office.	SHOULD	Is not completely defined
US8	As a user I am able to see special object of Zoom meeting and I can interact with it.	SHOULD	
US9	As a user, when I start the Zoom meeting from any place in the map, I will be automatically moved to the place of particular Zoom object.	COULD	Is not completely defined

## User Stories

### US5

*As a user I am displayed in the 2D world of the office.*

User is represented in the world as a walking avatar with a picture they uploaded to the system. The default avatar shows the first letter of the nickname of the user until the avatar is uploaded for the first time.

Additional requirements:

- There should be an option how to show extra information about the user: Name, status. Display it on mouse hover should be ideal.
- Avatar has a boarder of automatically generated color.
- Avatar has a circled shape and size 40x40px.

Won't do:

- There is no need to check if two users has the same avatar.

### US6

*As a user I can walk with my avatar in the office.*

User is able to move around the office using the following keys:

- Up: upper arrow or W
- Down: bottom arrow or S
- Left: left arrow or A
- Right: right arrow or D

Additional requirements:

- User is not able to go through walls or other solid objects (desks, Zoom objects, ...).
- User is able to move through the other users.
- User will move 5px per key press.

Won't do:

- It is not possible to adjust the speed of movement.
- It is not required to move diagonally.

### US7

*As a user with additional rights I can modify the structure of the online office.*

User with special privileges is able to open the map in the edit mode and add/move/remove objects on it.

Open points:

- How we add the privileges?
- How the environment for editing will look like?
- How the current world will be available to users during the editing?
- How do we replace the previous version of the world with the new one with the smallest possible impact to the online users?

Won't do:

- There is no need to keep the history of previous versions of the office.

## US8

*As a user I am able to see special object of Zoom meeting and I can interact with it.*

There will be objects (avatars) for Zoom meetings. Every Zoom meeting will have the same icon, the difference will be shown on hover. The participant will be added to the particular Zoom meeting when its avatar collide with this type of object.

Additional requirements:

- There should be an option how to show extra information about the meeting: Meeting name, weblink, time, number of participants. Display it on mouse hover should be ideal.
- Object has a boarder of black color.
- Object has a circled shape and size 40x40px.

## US9

*As a user, when I start the Zoom meeting from any place in the map, I will be automatically moved to the place of particular Zoom object.*

User will be automatically and immediately moved to the Zoom object, when they join the meeting.

Open points:

- User will jump there or "walk there"?
- What will happen after the meeting end with the user's avatar?

## Related Links

Reference application overview: <https://www.rctogether.com/>

Video for inspiration: [YouTube video](#)