



# Grabtor

Grab, Build and Learn – Your helpful learning app

**01. Problems**

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**05. Improvements**

**06. Outlook**



# Our Team



**Saipriya  
Reddy**

Developer & UX  
arr3466@thi.de



**Nallammai  
Raman**

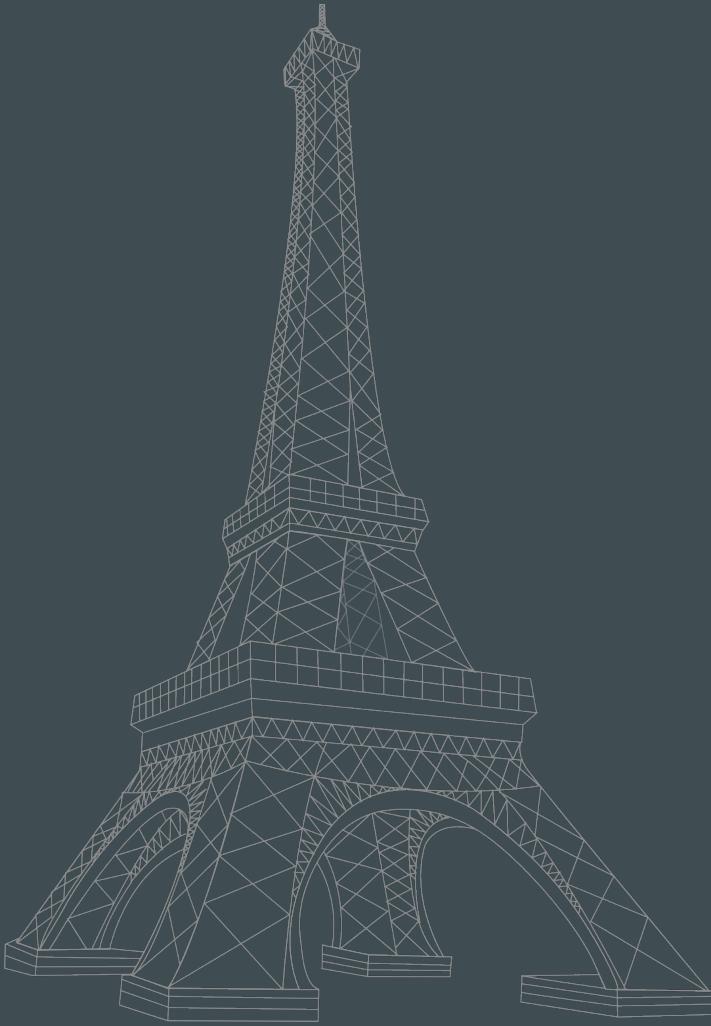
Unity & Designer  
ran5018@thi.de



**Sabrina  
Hoffer**

GitHub & Unity  
sah1166@thi.de

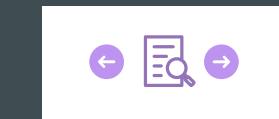


A detailed wireframe model of the Eiffel Tower, showing its lattice structure and four main legs supporting the central tower.

01

# Problems

Why we created Grabtor?



## General problems – students and professors

- Spatial thinking
- Less architectural visits
- Get first experience
- Conducting the learning material
- Collaboration



# Market Analyse – Problems



## Expensive

Apps are often high  
pricey

## Target Group

They had different  
target group.

## Less Alternatives

Existing Apps has  
**other Goals**

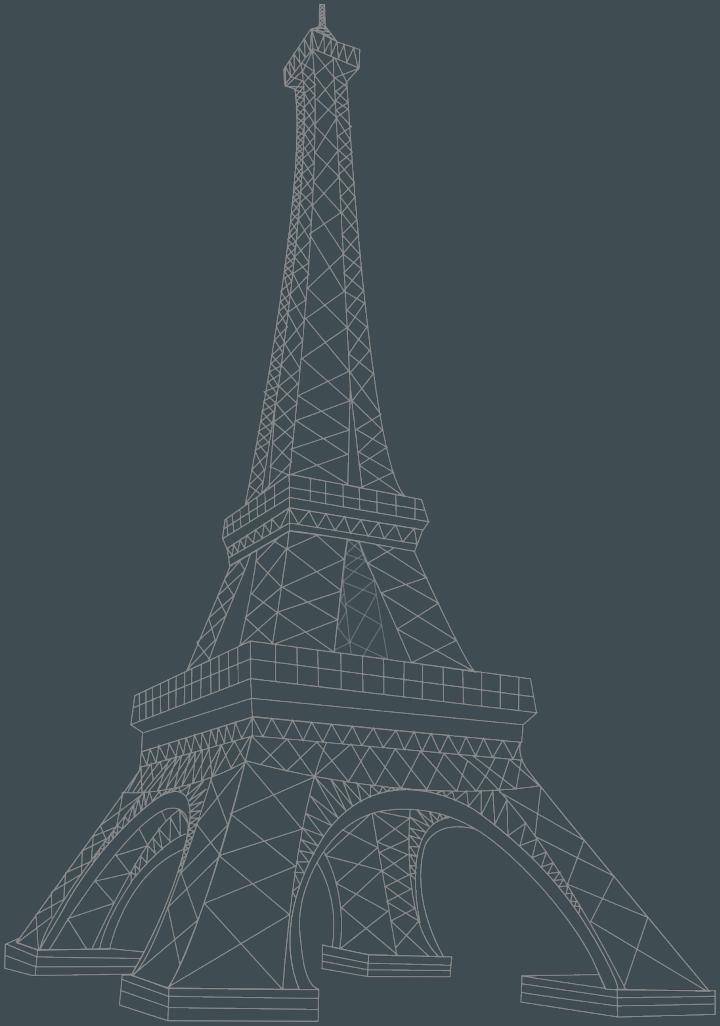




“Grabtor is an **architecture learning platform**  
which helps **students** and professors with  
**collaboration**, gain **knowledge** and allows to  
**travel to famous buildings** around the world with  
just **one click**.”

— Vision



A detailed wireframe model of the Eiffel Tower, showing its lattice structure and four main legs supporting the central tower.

02

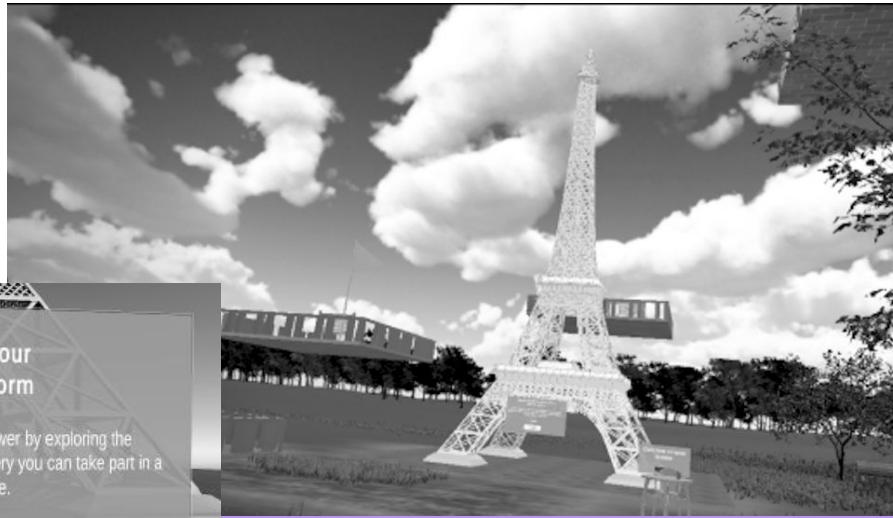
## About the Project

What is Grabtor?

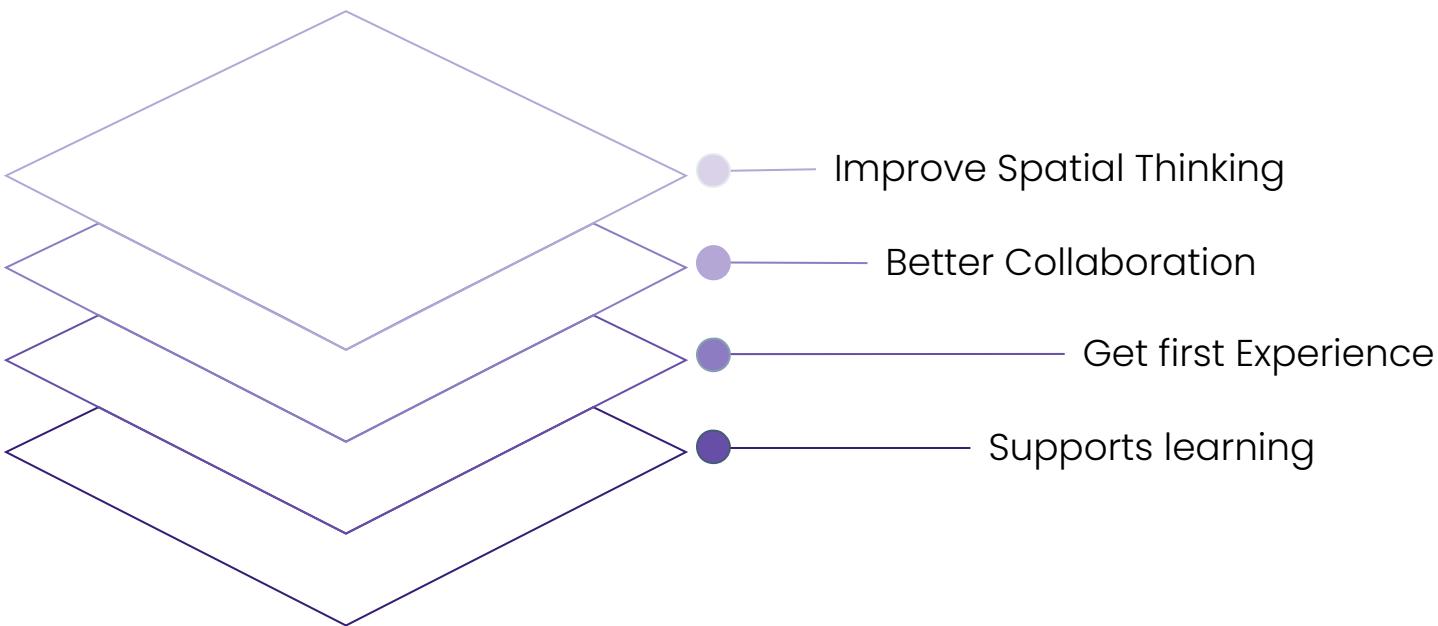


# What is Grabtor?

"Grabtor is a **Learning platform** for **architecture students & professors**"



## Where can Grabtor help?



# Our Features



## Interaction

Interact with the scene and the objects



## Teleporting

Teleport to different places



## Exploring

Explore the Scene and find helpful Informations



## Quiz

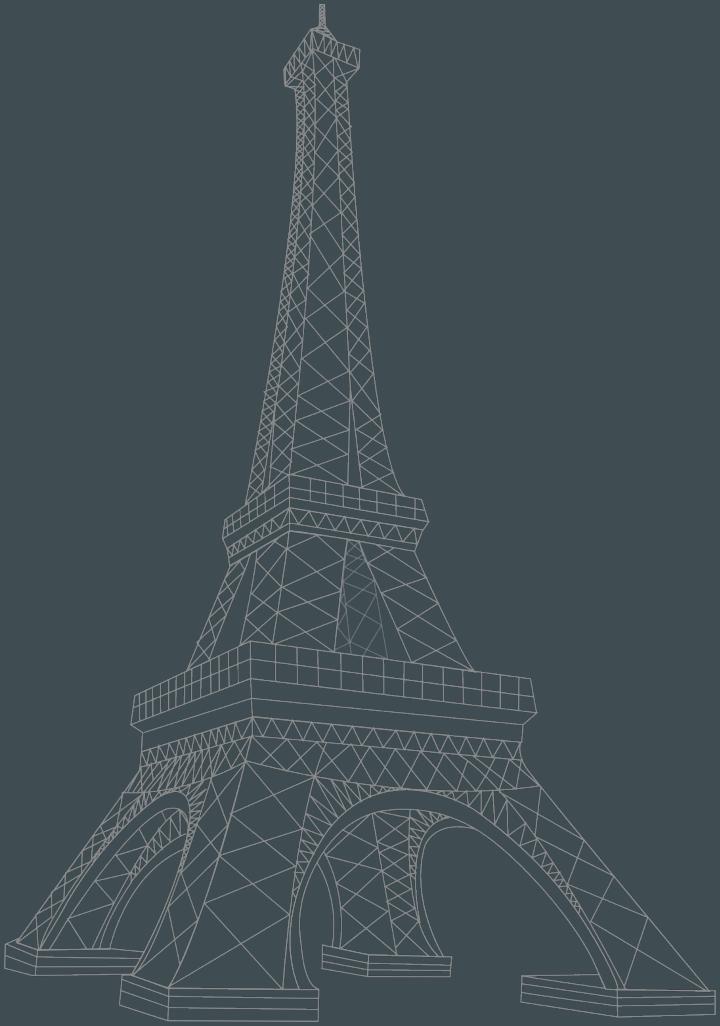
Take a Quiz and test your knowledge



## Multiplayer Models

Play with your colleagues



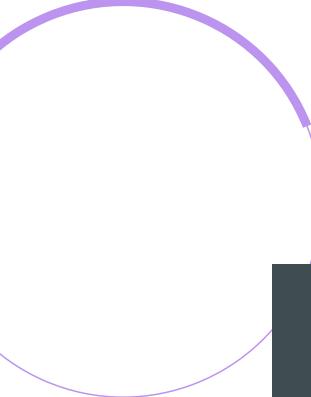
A large, white wireframe model of the Eiffel Tower is positioned on the left side of the slide, its intricate lattice structure clearly visible against the dark background.

03

## Goals

What are our goals?





## Goals



### Helpful

Helps Students  
and Professors  
with the learning  
content



### Collaboration

Work and Learn  
together with one  
application



### Travel

Make it possible  
to “travel” to  
famous building



### Fun

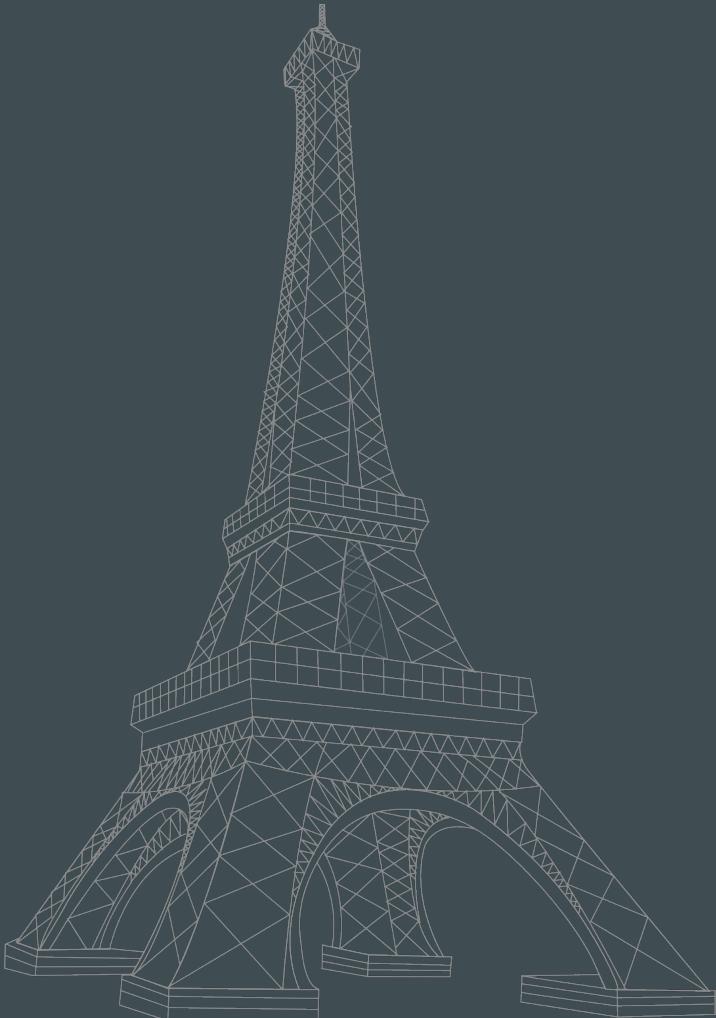
Have an App  
which is easy to  
use and  
enjoyable

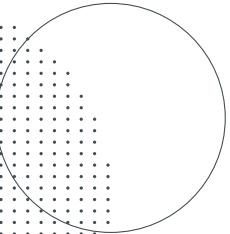


# 04

## User study

What is the summary feedback?





## User study



 5 users total

 4 Tasks

 20 Min

 3 users would continue  
to use

## ..... Summarize User study .....



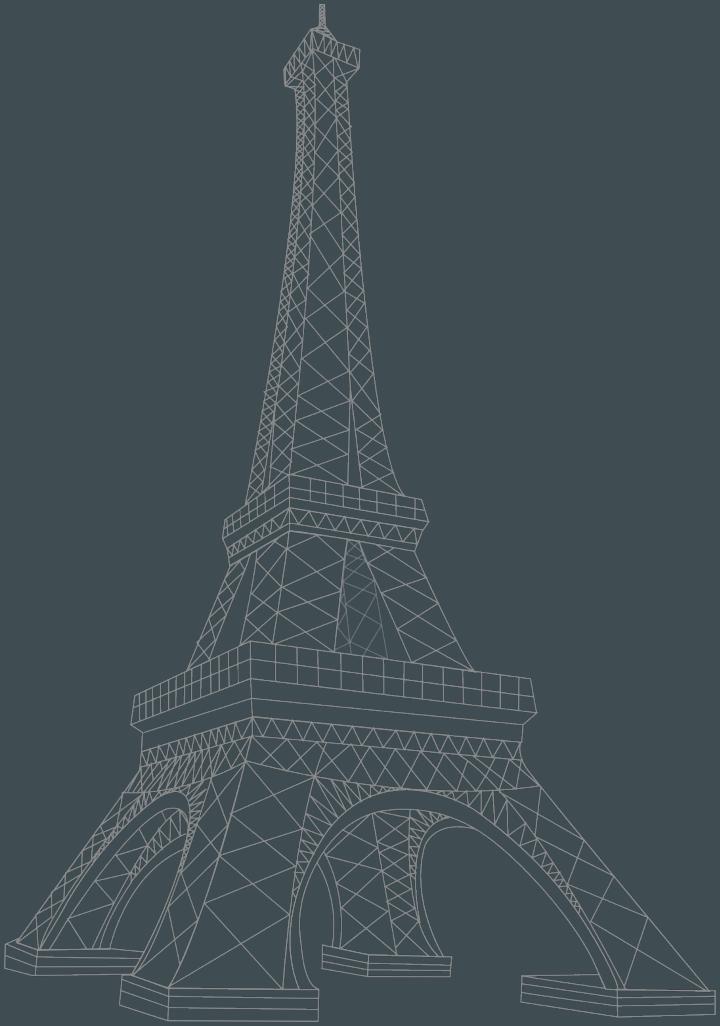
Like

- Objects were too small
- Difficulty with the movements and Controls
- Main Task was not obvious enough
- Wish for a more realistic Scene



Dislike

- Objects were too small
- Difficulty with the movements and Controls
- Main Task was not obvious enough
- Wish for a more realistic Scene

A detailed wireframe model of the Eiffel Tower, showing its lattice structure and four main legs supporting the central tower.

05

# Improvements

What have we changed?



# Improvements



## Interaction

Better Interaction  
And Movement



## Design

Realistic Textures  
and more Models



## Environment

Resize world,  
models



## Feedback

Improve  
UI-Feedback



## Multiplayer

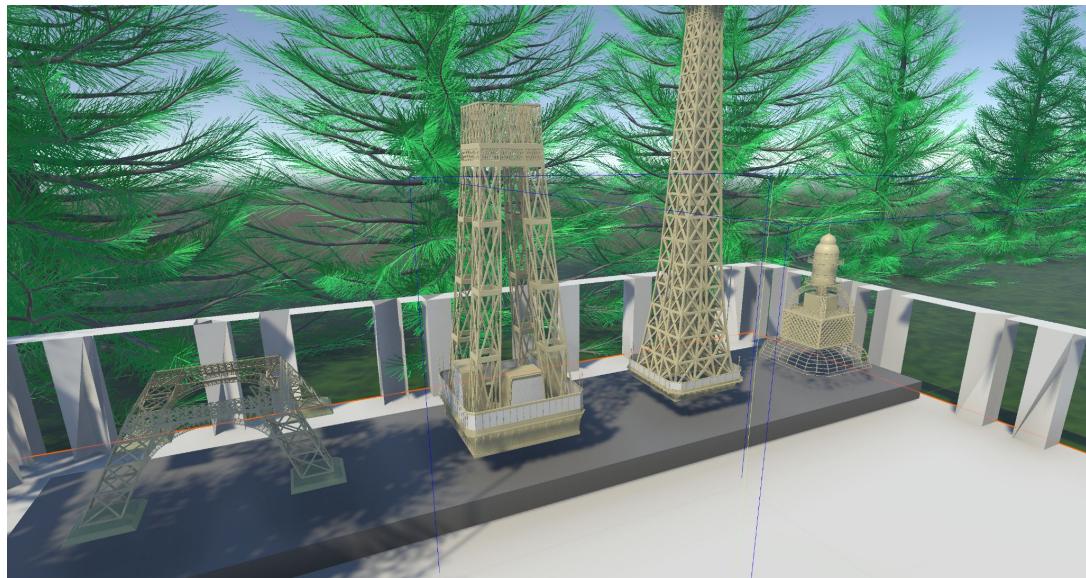
Add Multiplayer



## Sound

Add Music and  
Sound



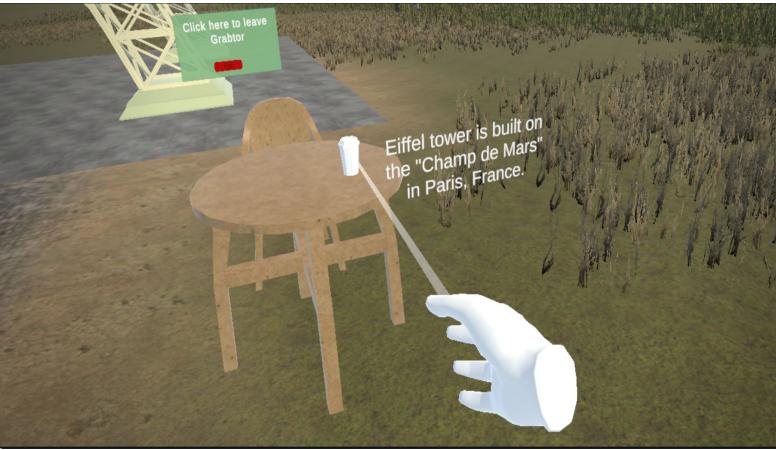


**Before Improvements**  
**Interaction**



# After Improvements

## Interaction

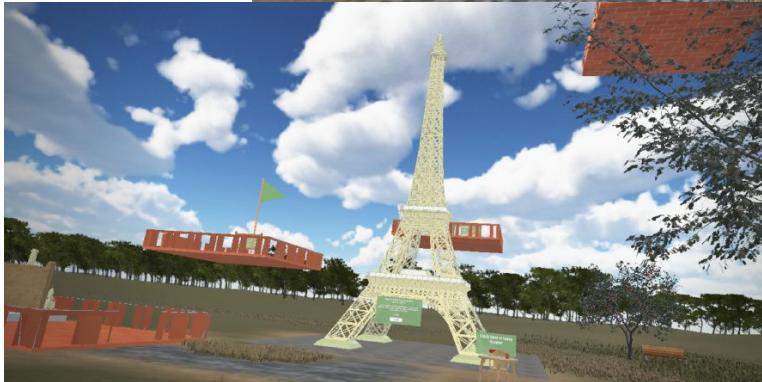




# Before Improvements

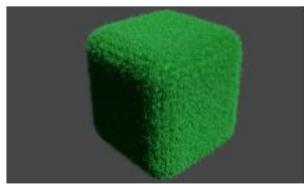
## Design

# After Improvements Design

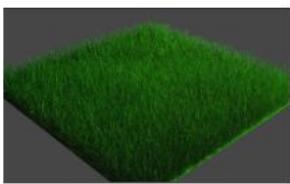




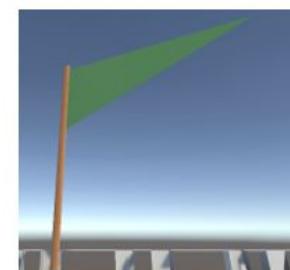
Tree



Bush

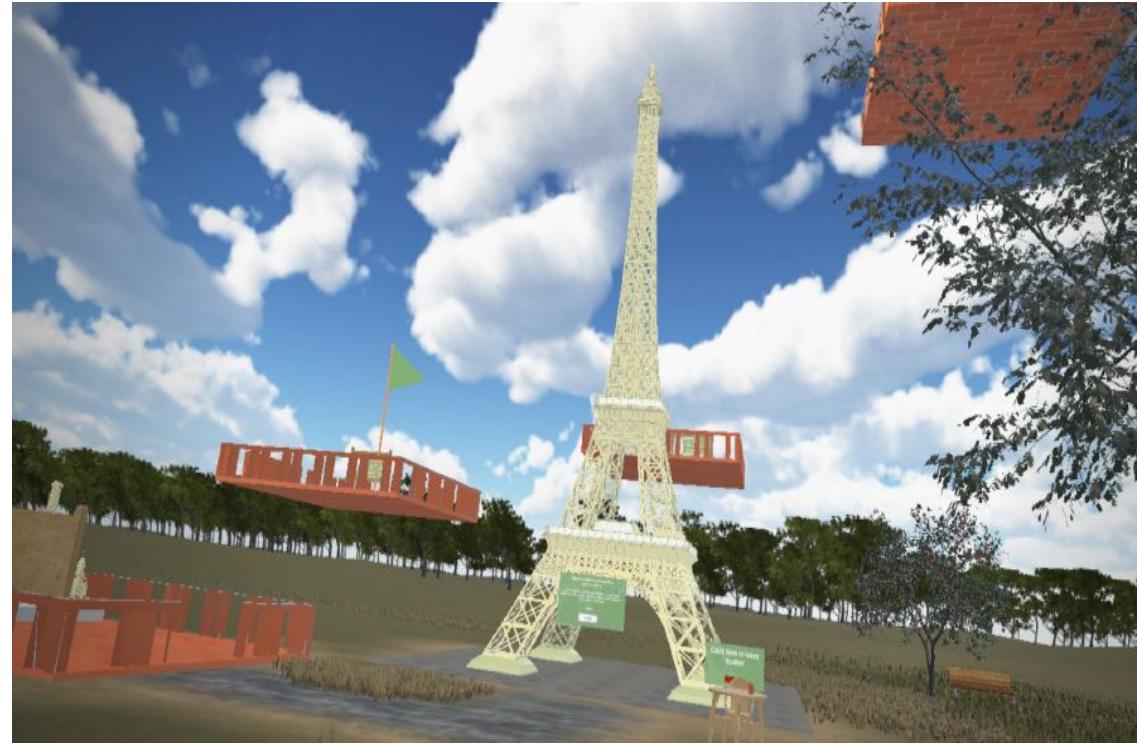


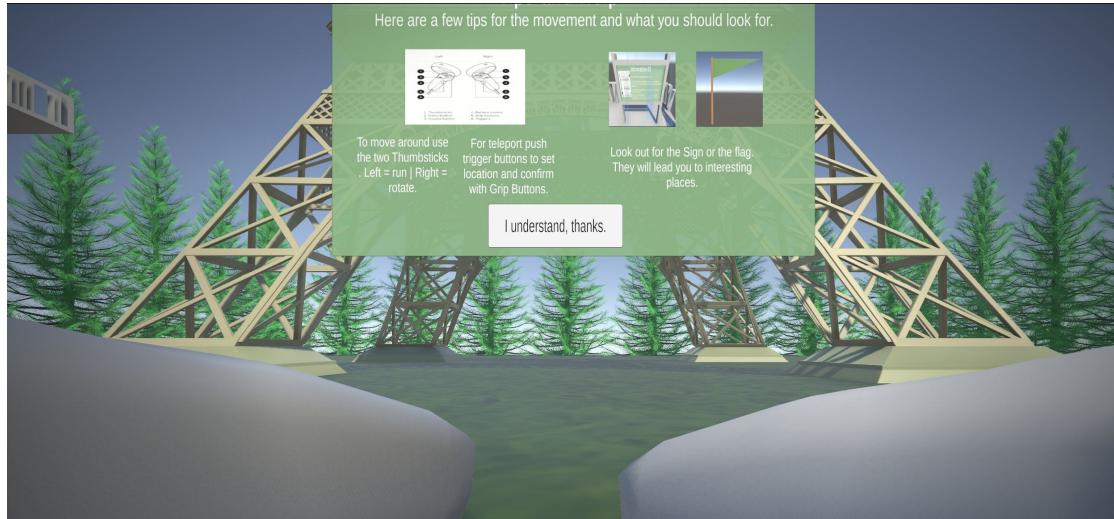
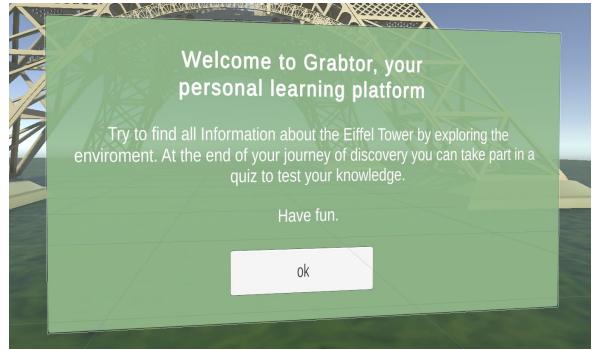
Grass for Ground



## Before Improvements Environment

# After Improvements Environment

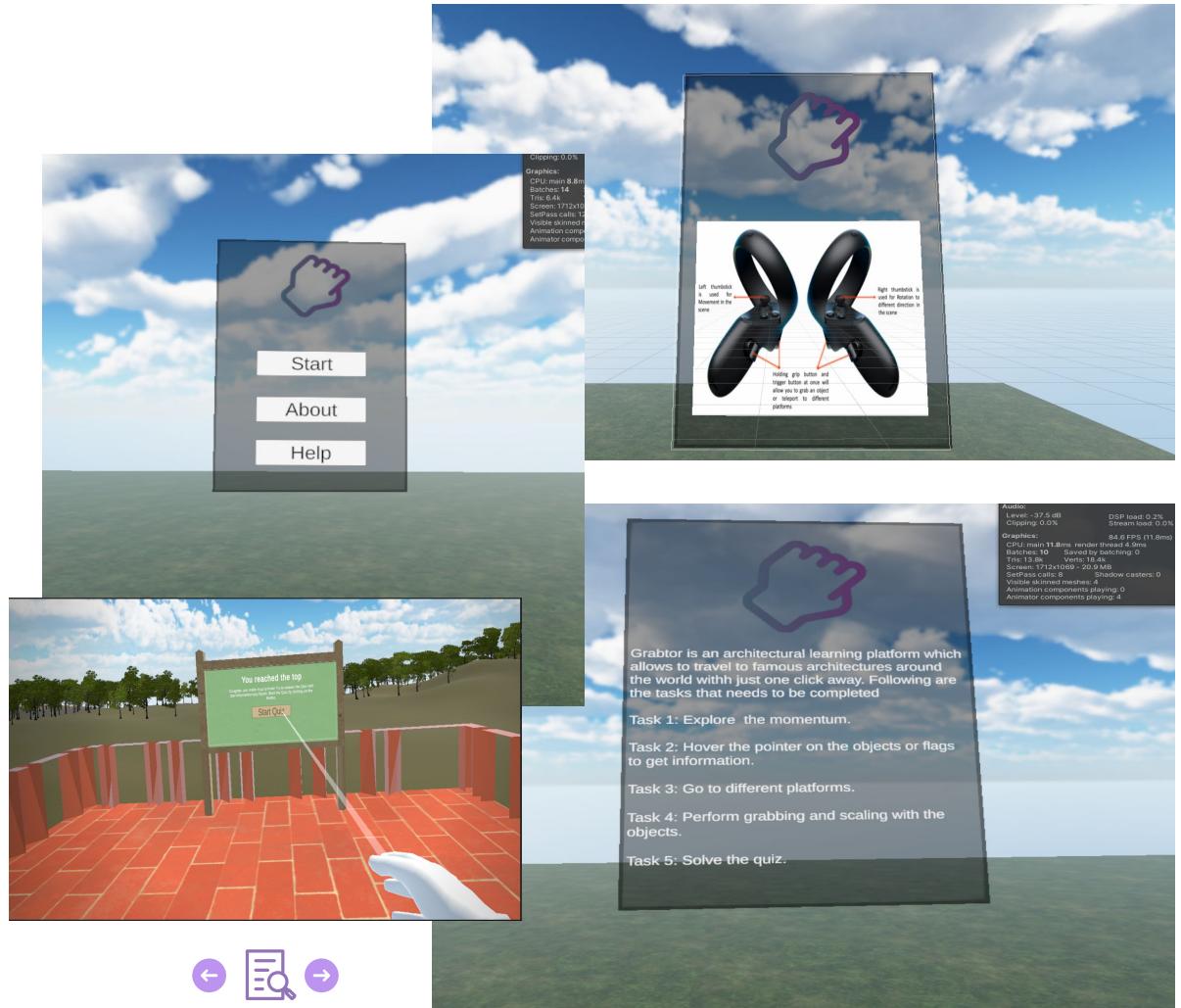




## Before Improvements

## Feedback & Help

# After Improvements Feedback & Help





No Sound



**Before Improvements  
Sound**

# After Improvements Sound



Footstep-sound



PickUp-sound



Background-music

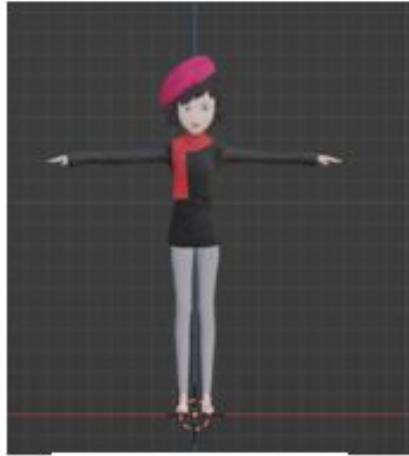
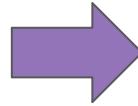


## Before Improvements

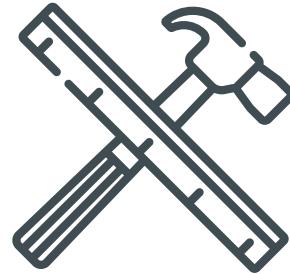
## Multiplayer

# After Improvements

## Multiplayer

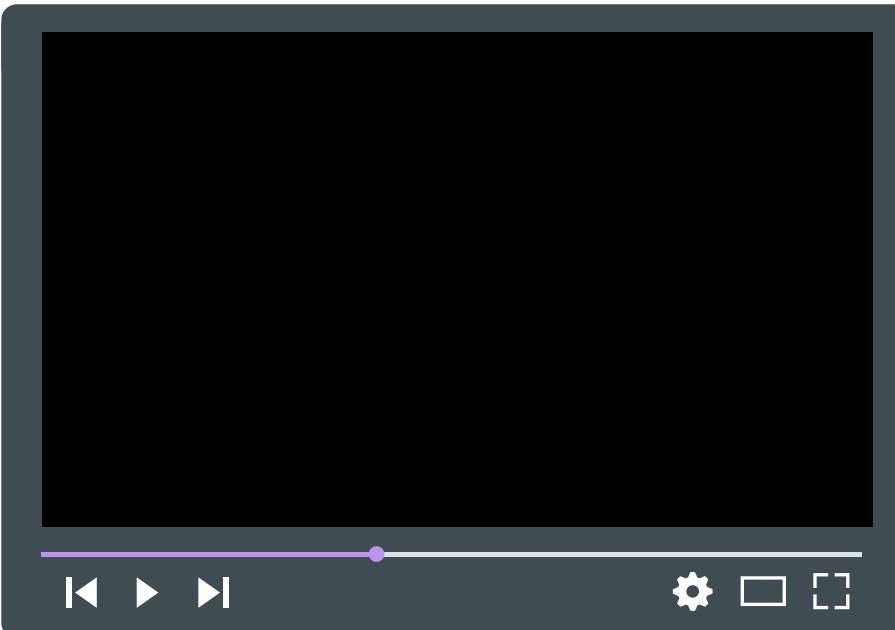


*Girl Player*



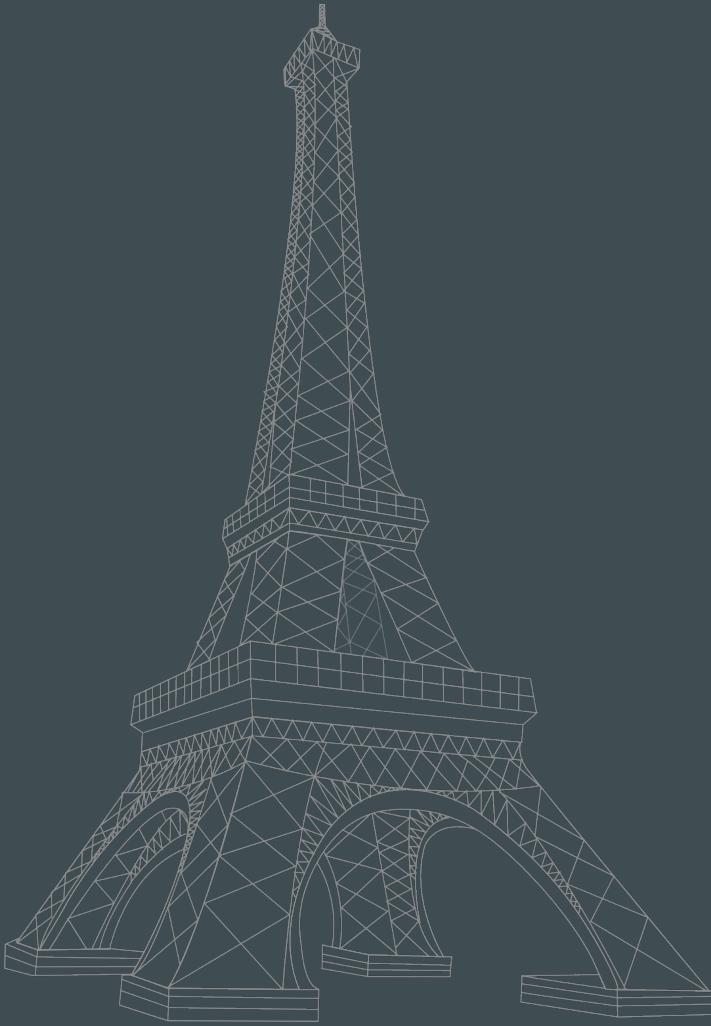
Still in progress...

# Result



This is Grabtor now





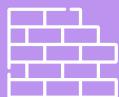
06

## Outlook

What are our plans for Grabtor?



# What our plans for Grabtor?



## Further Improvements

Better and more  
Interaction possibilities



## More Buildings

Offer another  
famous buildings



## Different Platforms

Simplify access with  
arguments reality



# Thanks!



"Lets see us in "Paris"



Your Grabtor-Team