

SPORTS

VR SPORTS

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FH Aachen | Virtual Reality - Augmented Reality WS 23/24

Alexander Matthew

Informatiker

Fachrial Dimas Putra Perdana

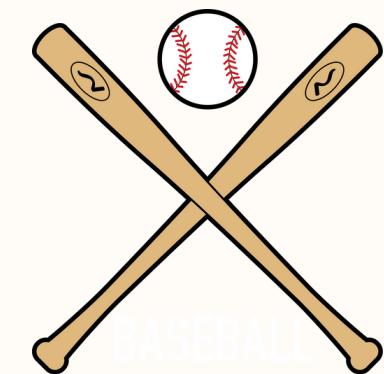
Informatiker

INHALT

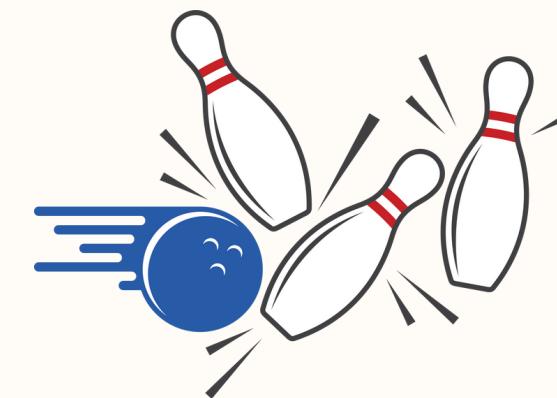
1. Motivation
2. Features
 - a. Grafik
 - b. Interaktionen
 - c. Navigation
 - d. Menüs
 - e. Sounds
3. Platform & Dokumentation
4. Videos



MINI GAMES



BASEBALL



BOWLING



SHOOTING

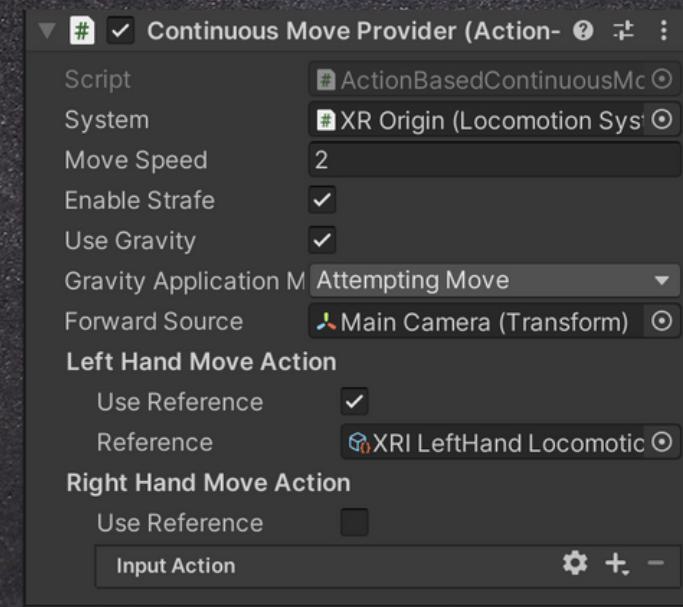
MOTIVATION



- Immersive Erfahrung des Spiels Wii Sports
- Lust zu spielen ohne draußen zu gehen
- Unterhaltung zum Stressabbau

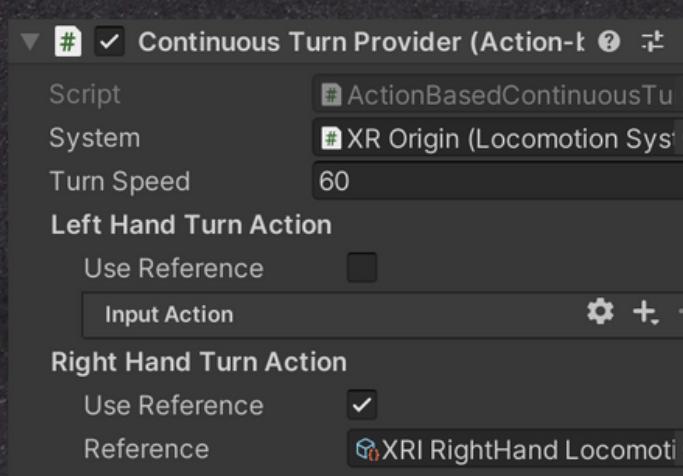


NAVIGATION



Zum Bewegen nutzen wir das Trackpad auf dem linken Controller

Continuous Move Provider (Action-Based) Komponente in XR Origin



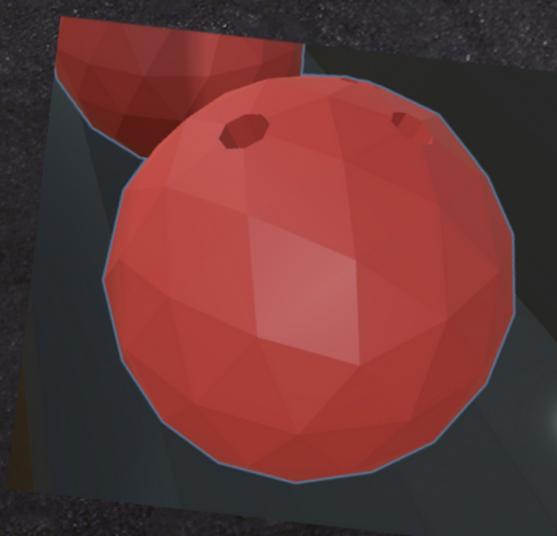
Zum Drehen nutzen wir das Trackpad auf dem rechten Controller

Continuous Turn Provider (Action-Based) Komponente in XR Origin

INTERAKTIONEN



GRABABLES



Exit to Main Menu?

Back

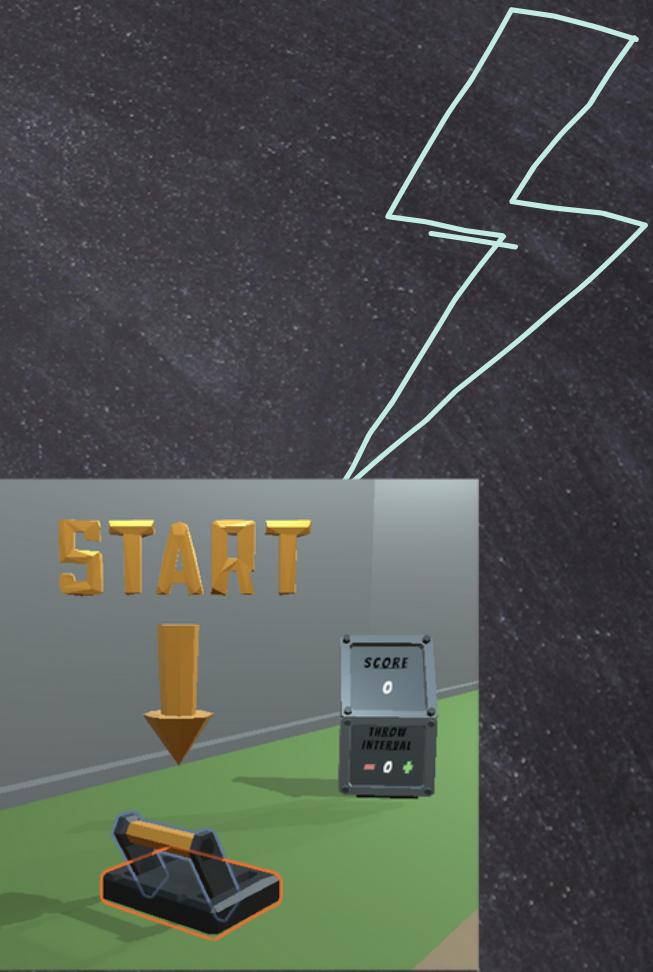
Exit

POP UP, BUTTON,
SWITCH

Are you sure you want
to play BASEBALL?

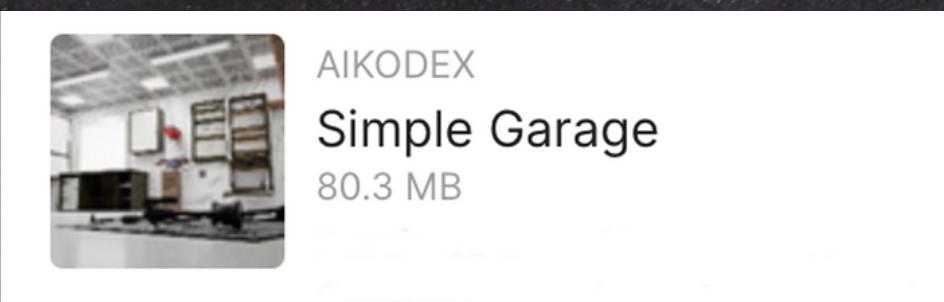
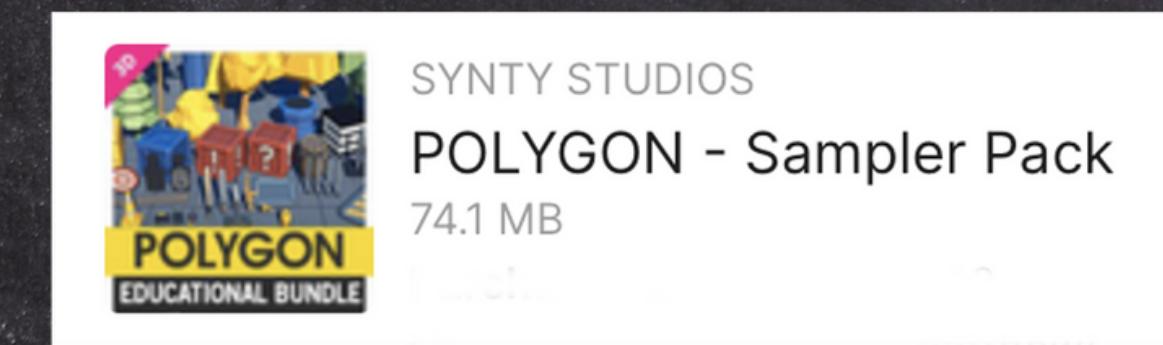
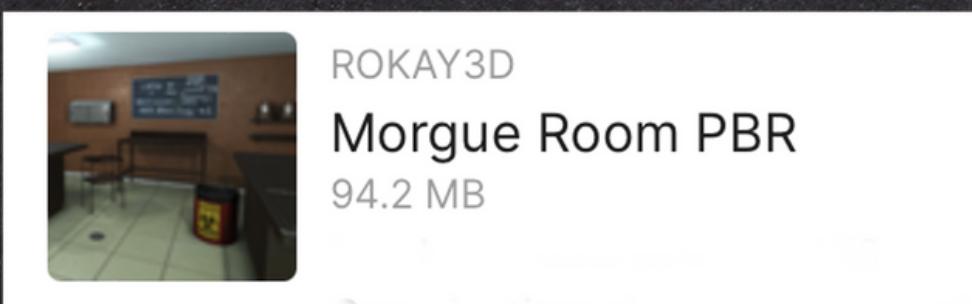
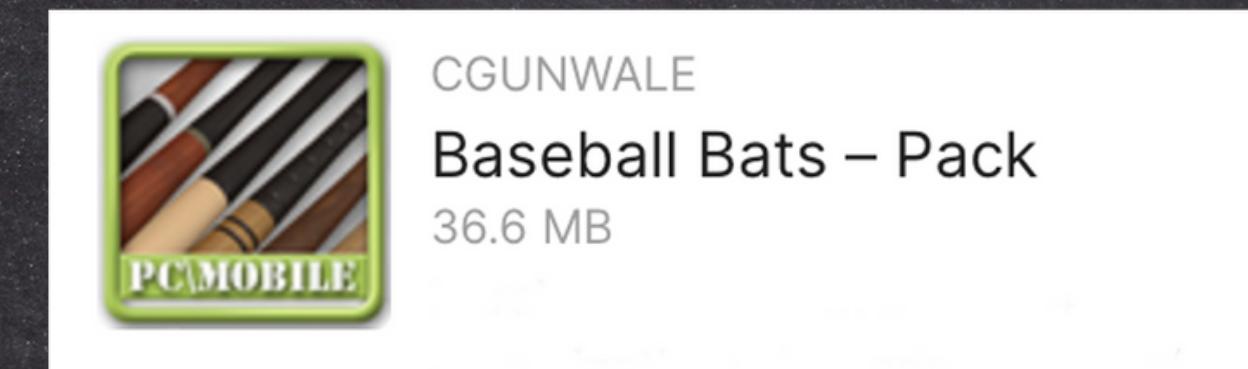
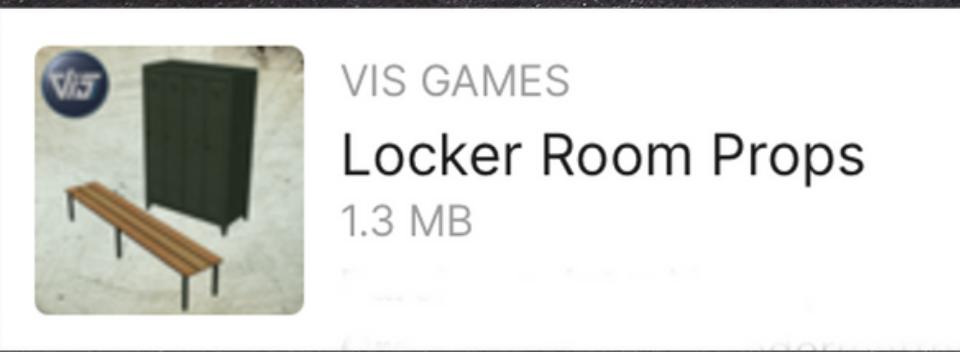
Back

Yes

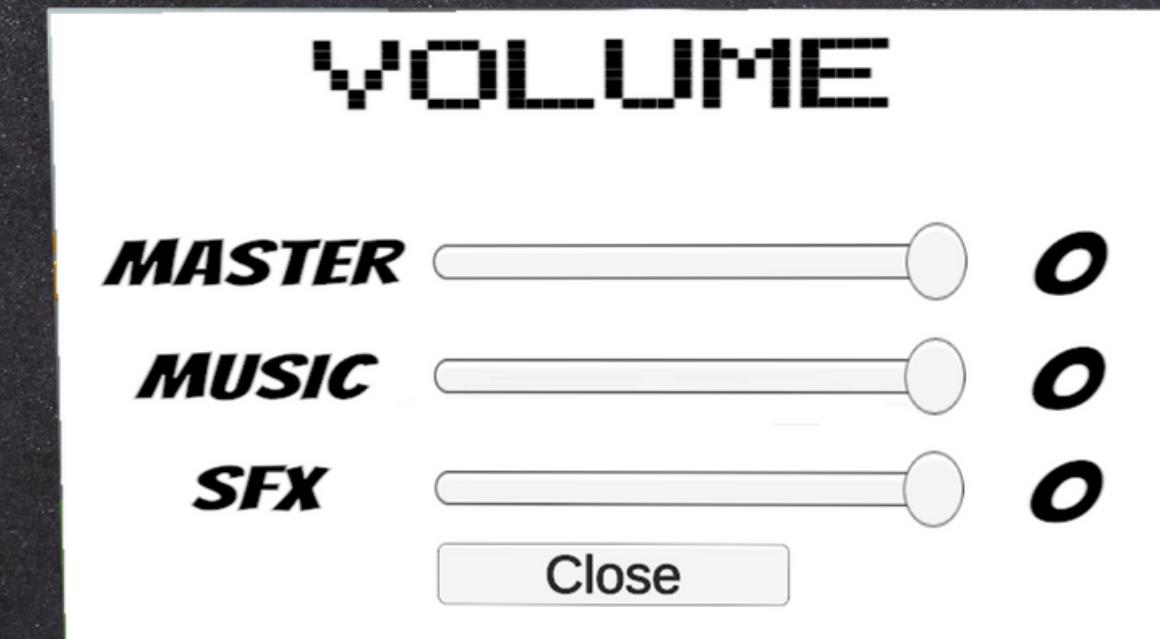


GRAFIK

Einfache 3D-Grafik, Assets aus dem Unity Store heruntergeladen

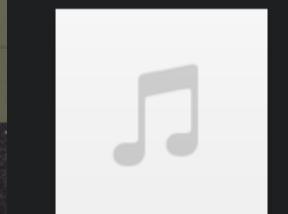
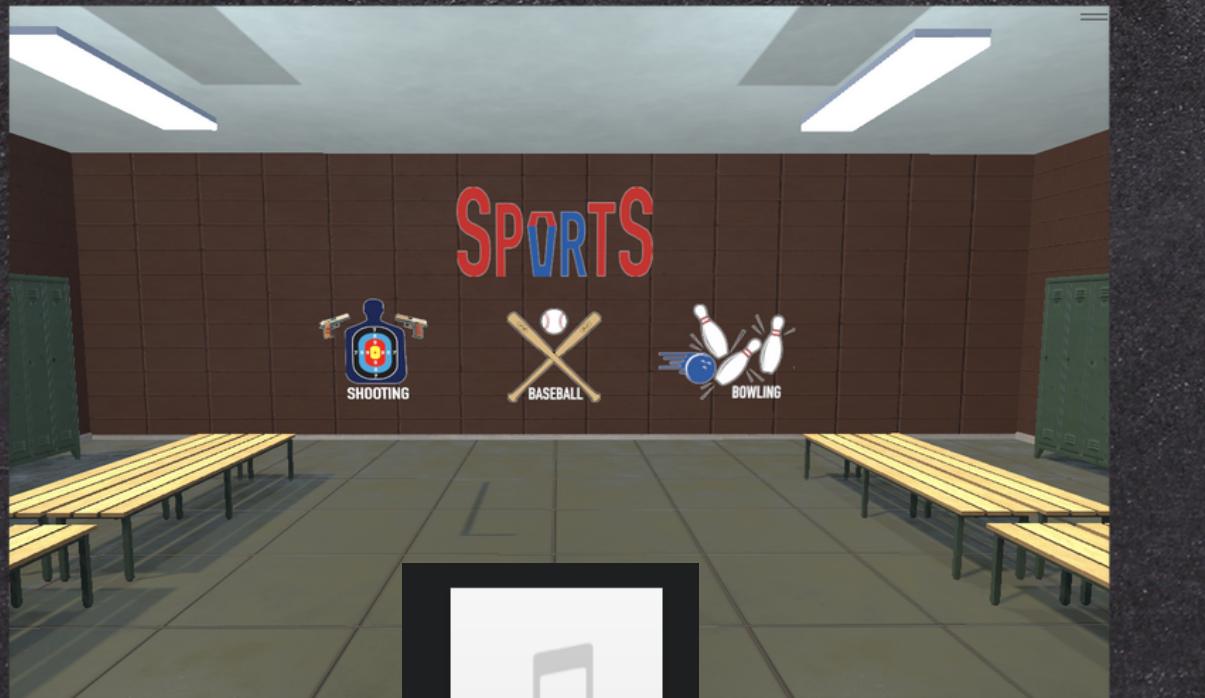
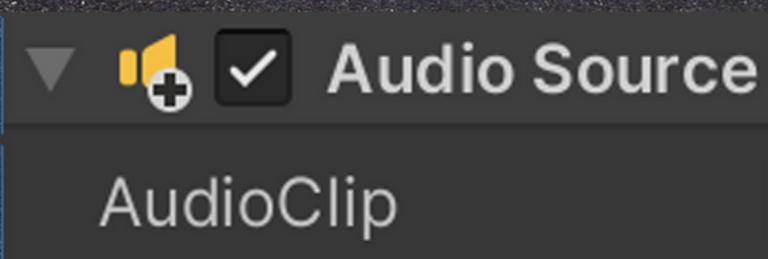


MENÜS

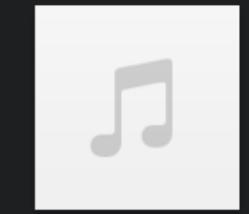


Mit der Menütaste auf dem Controller können wir die Lautstärke des Spiels steuern

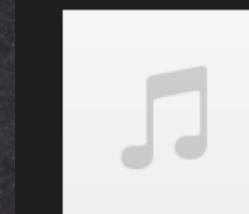
SOUND



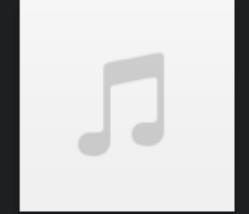
Main Menu
Theme.mp3



Shooting
Theme.mp3

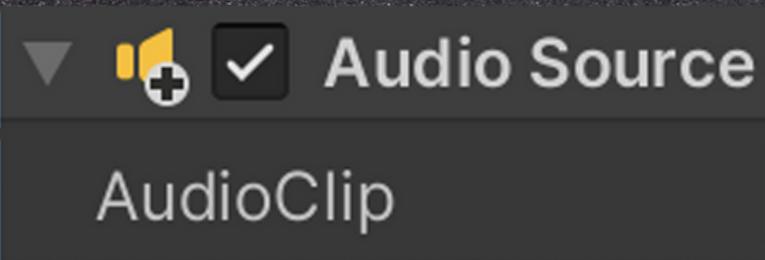


Baseball
Theme.mp3



Bowling
Theme.mp3

SOUND



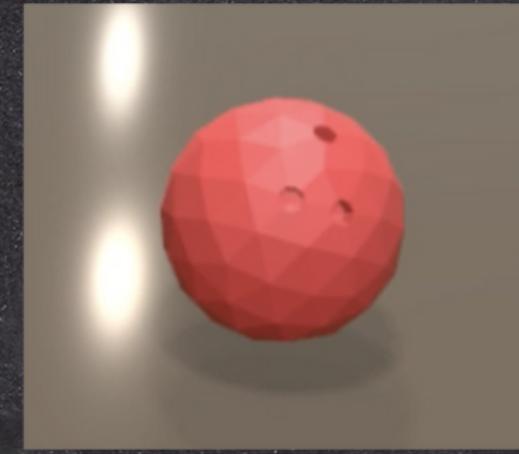
Baseballschläger landete auf dem Boden



Werfer schießt den Ball



Bowlingkugel rollt



Pistolenschüsse



Der Baseballschläger schlug den Ball



Bowlingkegel wurden getroffen und fielen herunter



Target wurde von der Kugel getroffen



PLATFORM

nur in VR lauffähig (HTC Vive)



HINWEISE ZUR DOKUMENTATION

Readme-Datei in Git-Repository

Kurzvideo

VR-Sport-Project

Unity-Based VR Games inspired by Wii Sport

created by: Alexander Matthew Fachrial Dimas Putra Perdana

SPORTS

Assets lists:

1. POLYGON (<https://assetstore.unity.com/publishers/5217>)
2. Baseball Bats - Pack (<https://assetstore.unity.com/packages/3d/props/weapons/baseball-bats-pack-102171>)
3. Locker Room Props (<https://assetstore.unity.com/packages/3d/props/interior/locker-room-props-3355>)
4. Simple Garage (<https://assetstore.unity.com/packages/3d/props/interior/simple-garage-197251>)
5. Morgue Room PBR (<https://assetstore.unity.com/packages/3d/environments/morgue-room-pbr-65817#content>)

Unity Packages:

1. XR Interaction Toolkit (<https://docs.unity3d.com/Packages/com.unity.xr.interaction.toolkit@2.5/manual/index.html>)
2. XR Plugin Management (<https://docs.unity3d.com/Manual/com.unity.xr.management.html>)
3. Open XR Plugin (<https://docs.unity3d.com/Packages/com.unity.xr.openxr@1.8/manual/index.html>)

Controller instructions:

VIELEN DANK FÜRS
ZUHÖREN!