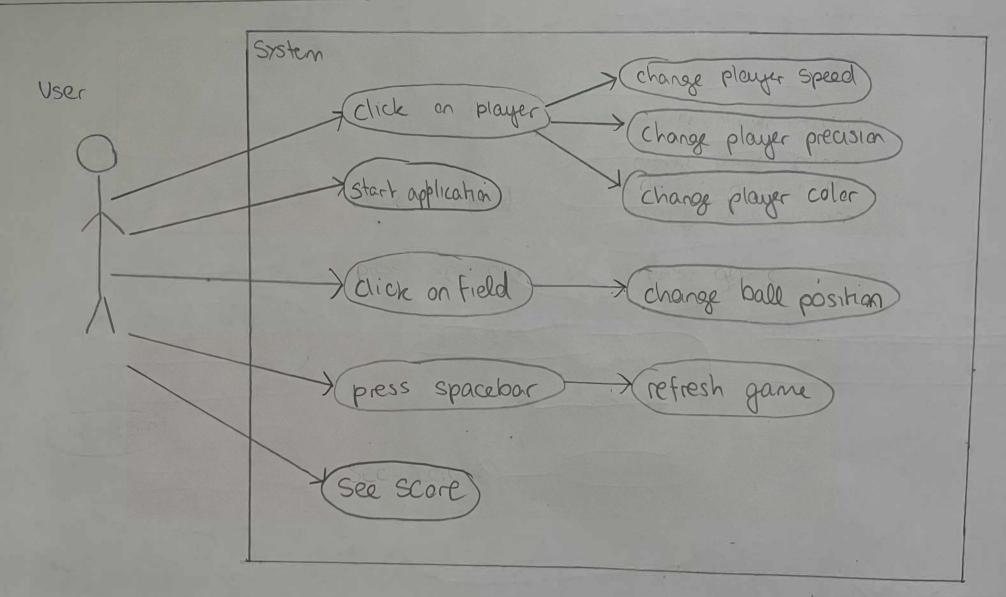
Endabgabe EIA2 Sose 2021

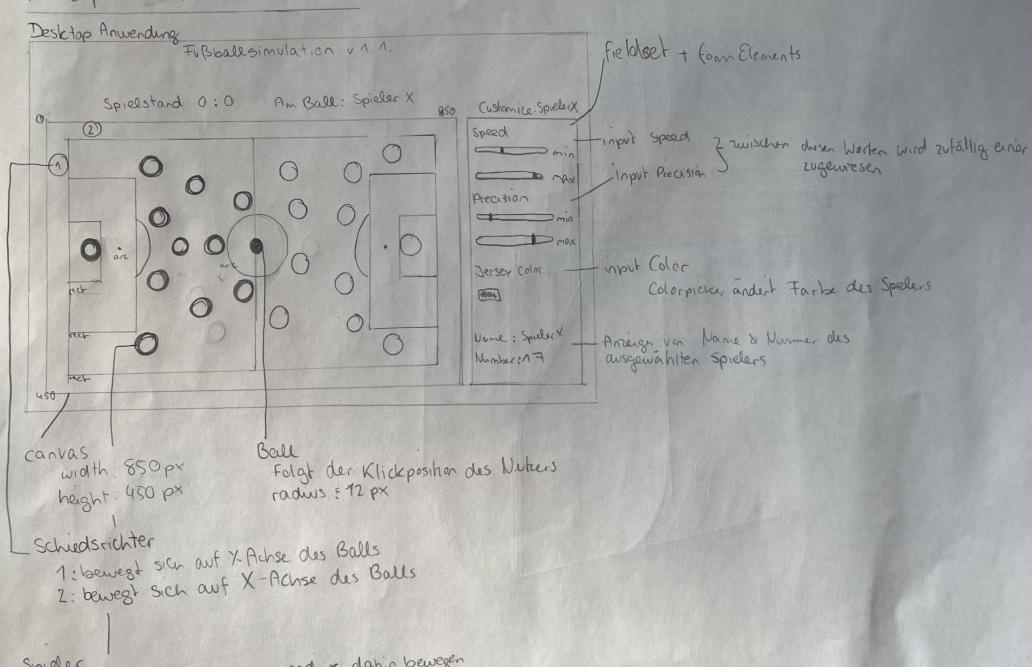
Interaktionsanleitung:

- 1. Zip-Datei runterladen und entpacken
- 2. Um das Projekt zu öffnen, Doppelklick auf die Html-Datei
- 3. Der Ball kann durch Klicken auf das Spielfeld bewegt werden
- 4. Um die Werte der Spieler zu ändern können die Slider benutzt werden
- 5. Um das Spiel erneut zu Beginnen, kann die Leertaste genutzt werden.
- 6. Wenn ein Tor erzielt wird, oder der Ball ins aus rollt, wird von der Mittellinie aus weiter gespielt.

Viel Spaß!

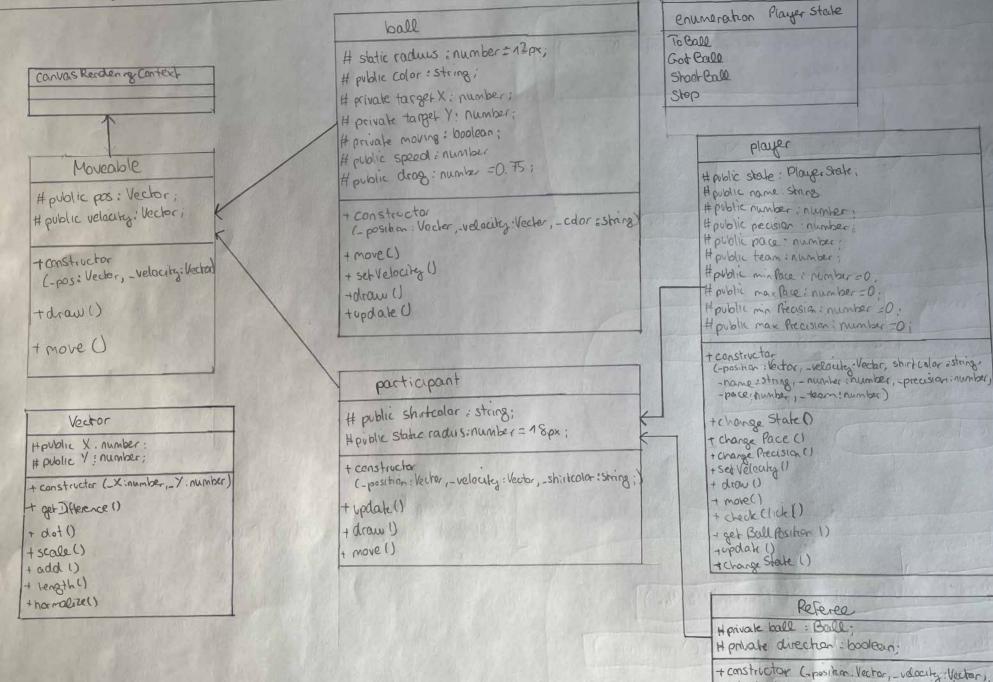


Konzept - Fußballsimulation



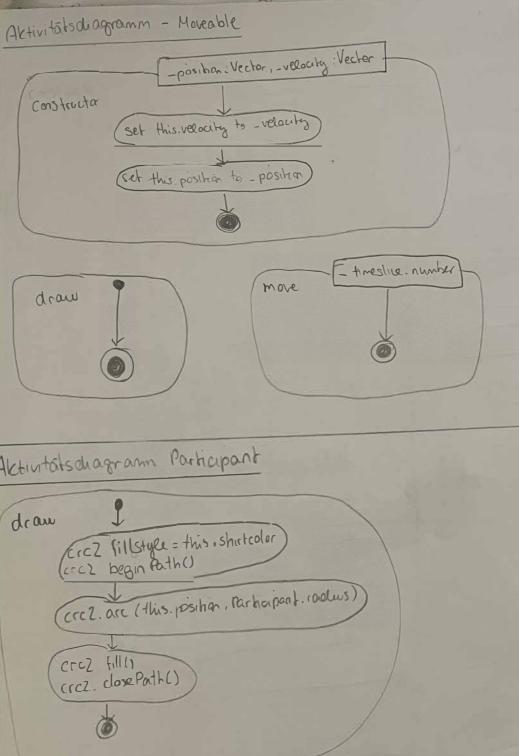
Spieler Ball in Wahrnehmungsradius, dahin bewegen Klickbar, wenn gekhickt, customizable radius: 18 px

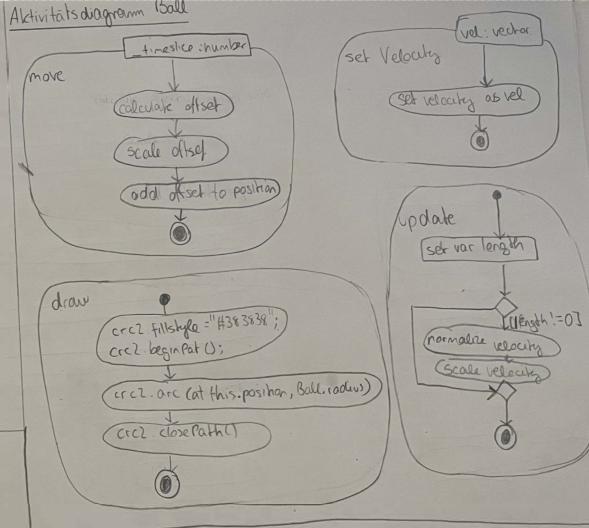
Klassendiagramme Fußballsimilation



-shirtcolor: string, -ball: Ball, -direction: bookean

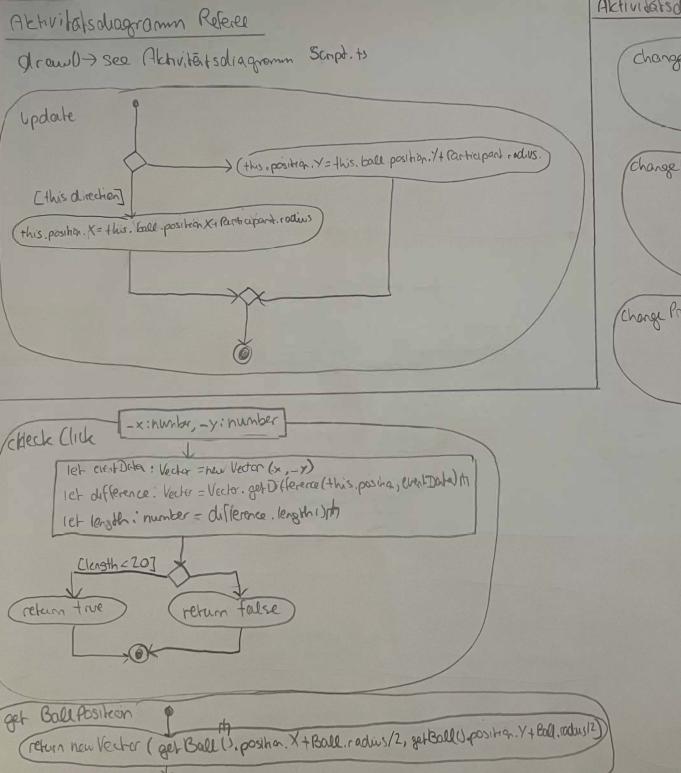
+ draw() + update ()



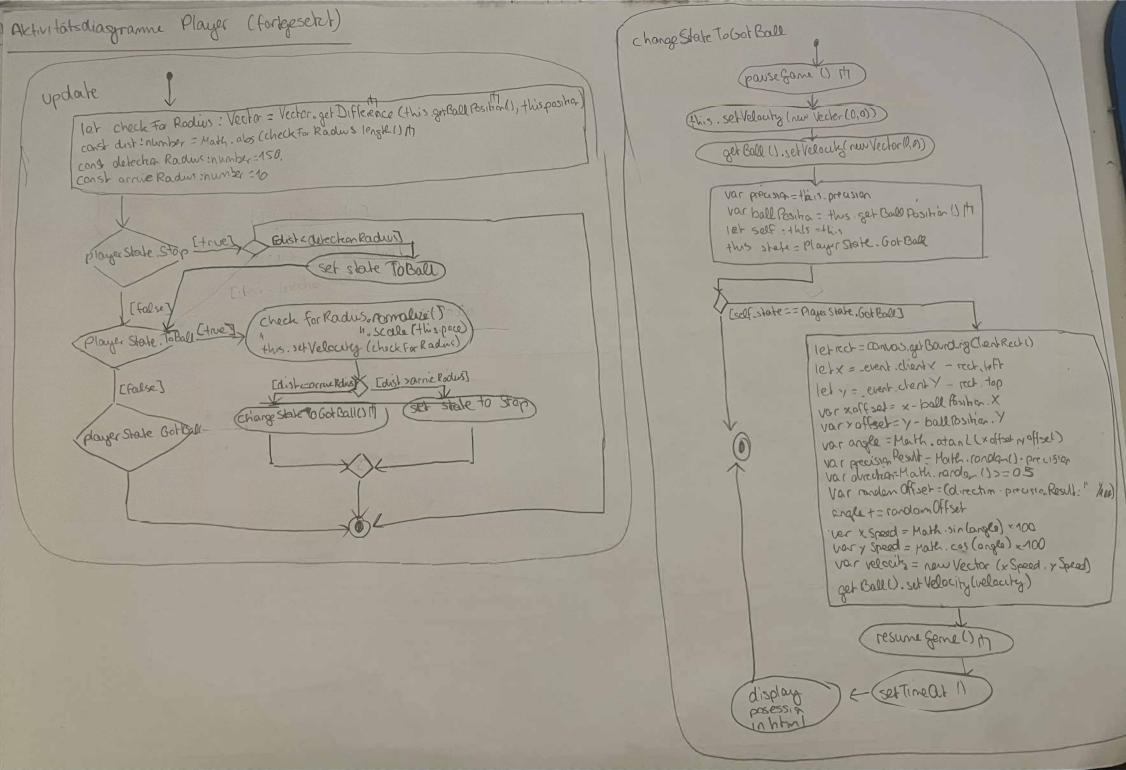


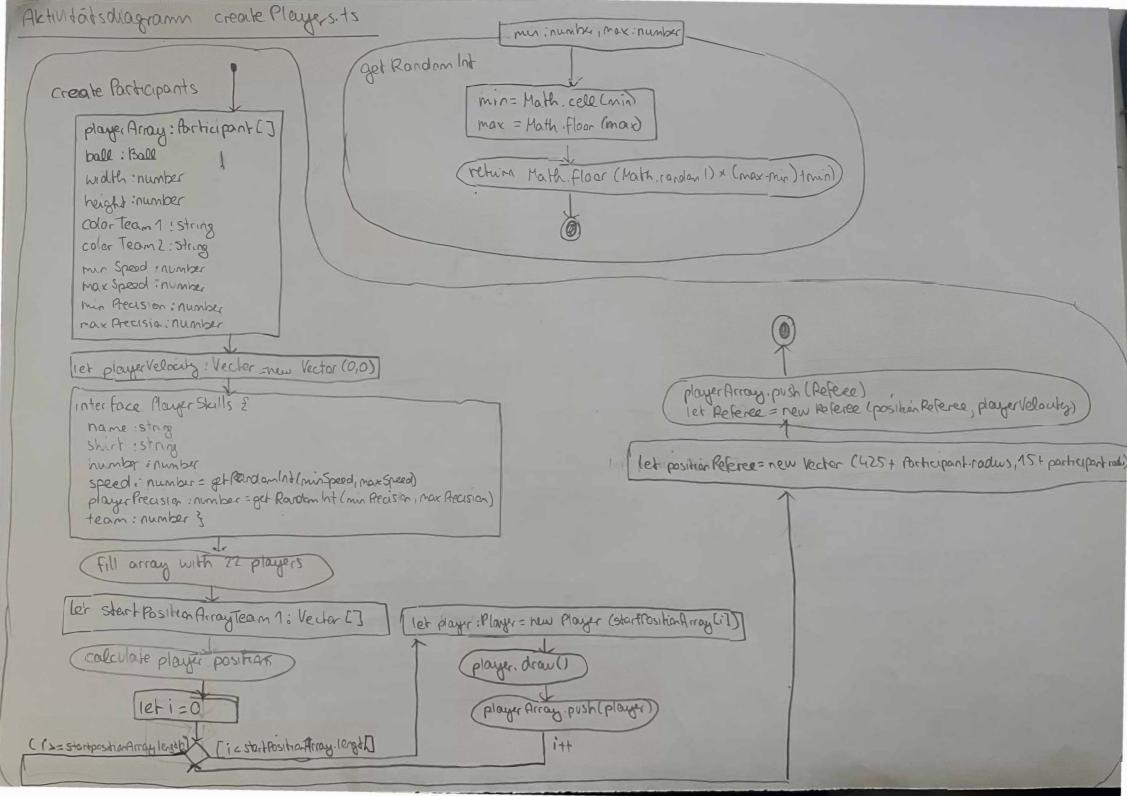
move() -> see Akduntatschagrenn Ball

Update () -> see Aktivitätschagrenn Script ts

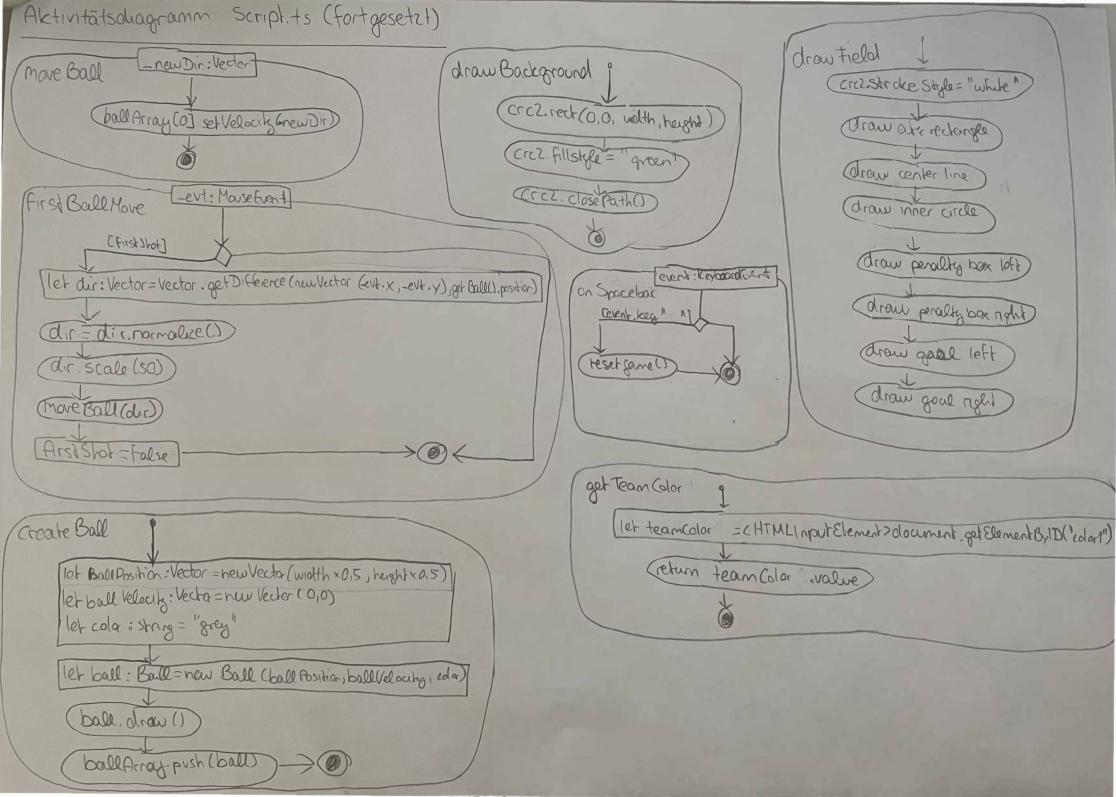


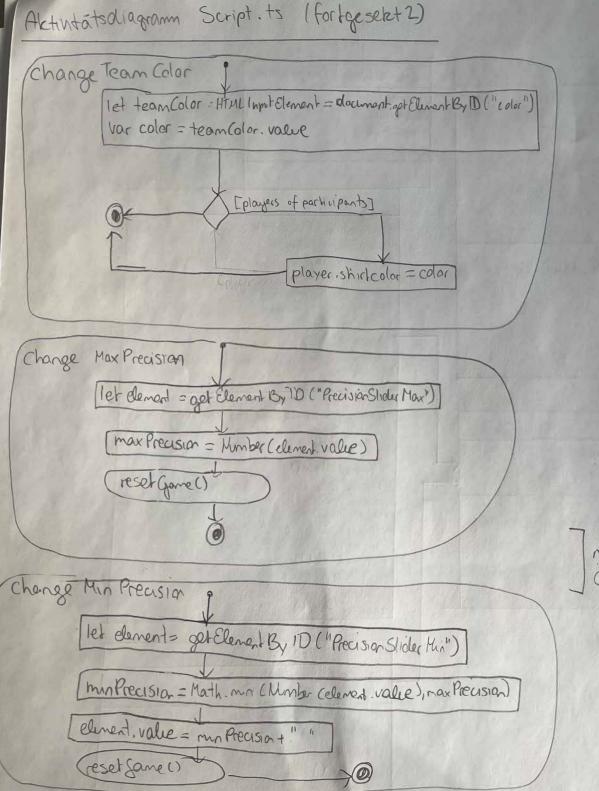
Aktivitatsdiagramm Player draw > see Scriptits Change State (this state = Player State, Stop) - new Pace & number Change Pace this pace = - new Pace -remPrecision: number Change Precision This precisions - new Precision





Script. +s Aktivitätsdiagramm update [game Status=false] get Ball handle lood (add event listener ("dick", First Ball Move)) (return Ball Array [0] drow Background () (1) (add event listener ("change", change TramColor) (Trowfield 1) A add event listener ("change ", change Min Pace) pause game Eplayer of participants add eventlistener ("change" change Max Pace), Set gamestates = true player upolate () addeventlistence ("change", change Min Mecusia) player, drow 1) add even thister ("change", change Mar (Pecusia) player move 1) resume some convas = document, query Selector ("canvas") Set game Status = false) boll Array [0] draw () 17 boll Array [0] . update() boll Array [0] . move add event Islens ("Regress", on Spacebar) add Eventlisterer "click" draw Background UN [ball Array position mide let rect / [ball Array position misolonization] (drawField W) # reset game scare team 2++ Scarteam 1+ Create Ball ()A) first Shot = true; display new scare display remocas participants = () Create Participant sp) ball Array = () reset gene () reset somel) Create Ball () 17 resume game () (1) (create Participants () 17) Chall Array, position outside outs (Inihalize () (updated) reset Game ()





note: same functions, Olifferent variables to adjust Pace

