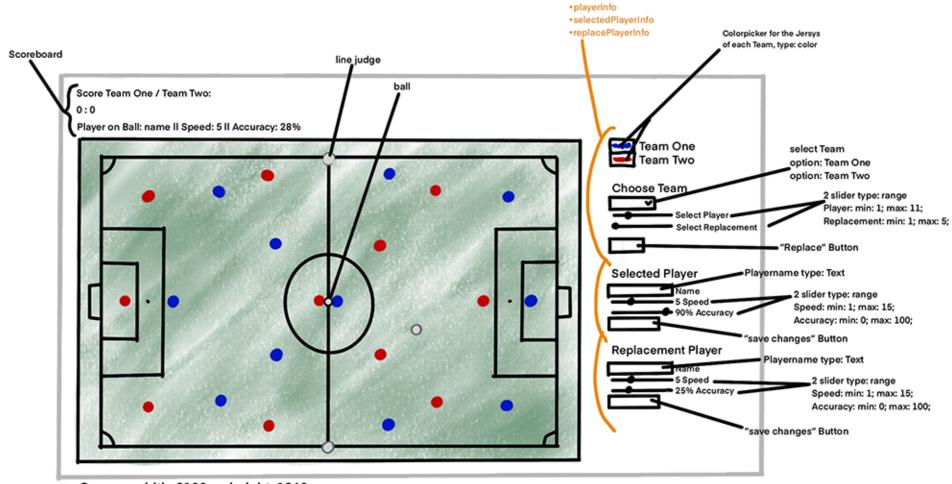
# Skizze:



3 forms:

Canvas: width: 2100px; height: 1360px

## Klassendiagramm

#### Player

position: number[]; size: number; speed: number; shirtNumber: number; teamOne: boolean; shirtColor: string;

perceptionRadius: number;

acuracy: number; kickStrength: number; home: number[] ingame: boolean

constructor

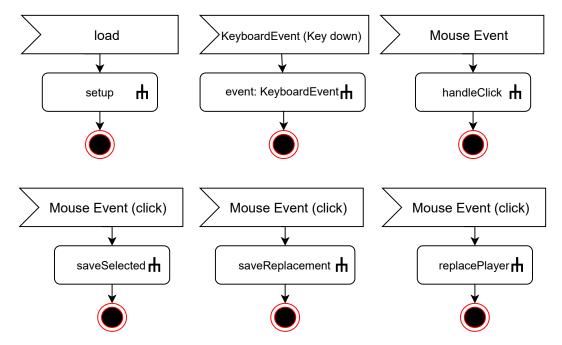
(\_speed: number, \_teamOne: boolean, \_shirtNumber: number, \_position: number[],

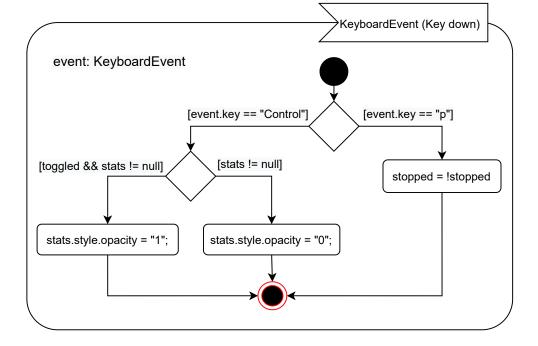
\_kickStrength: number)

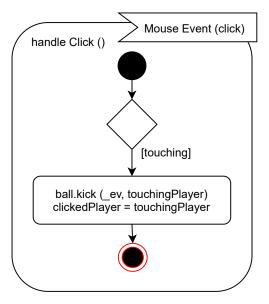
#### Ball

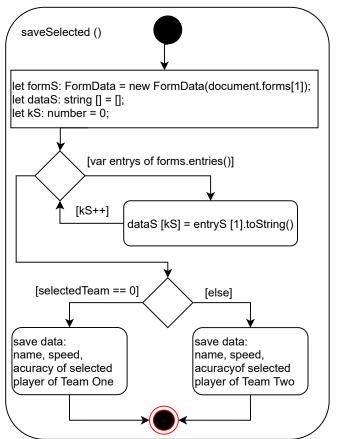
position: number[]; size: number; speed: number[]; riction: number;

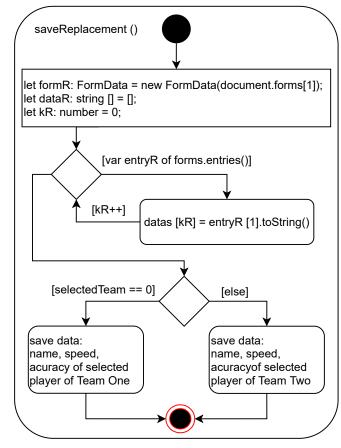
## Aktivitätsdiagramm Mainscript

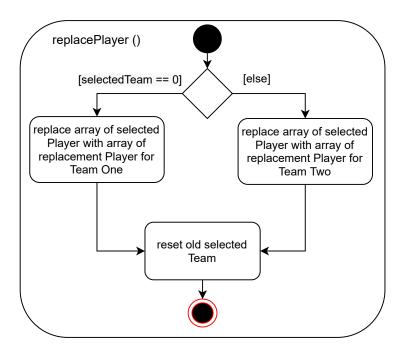


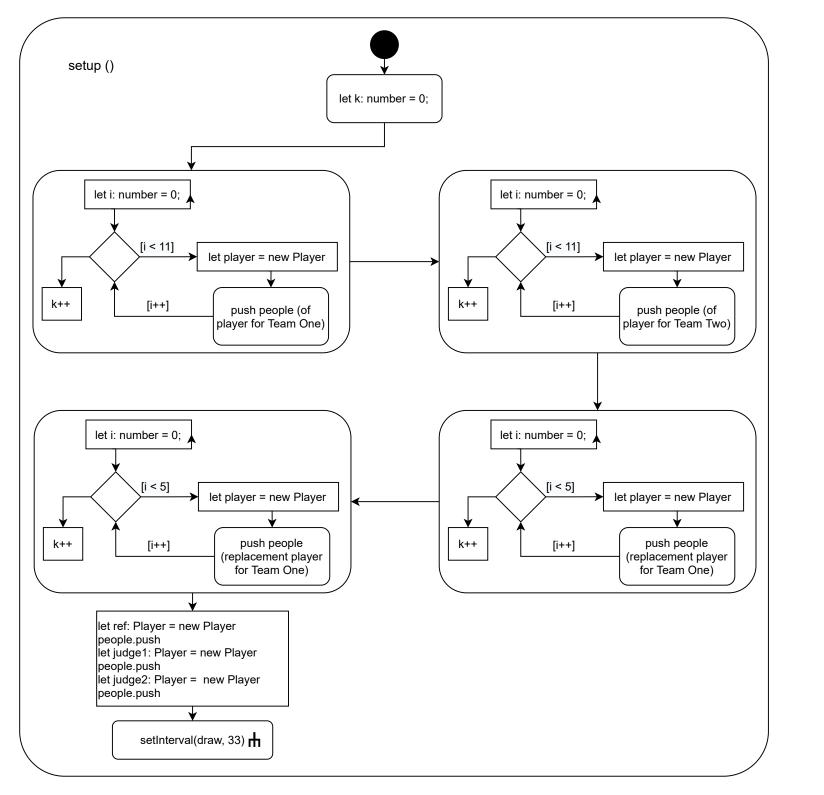


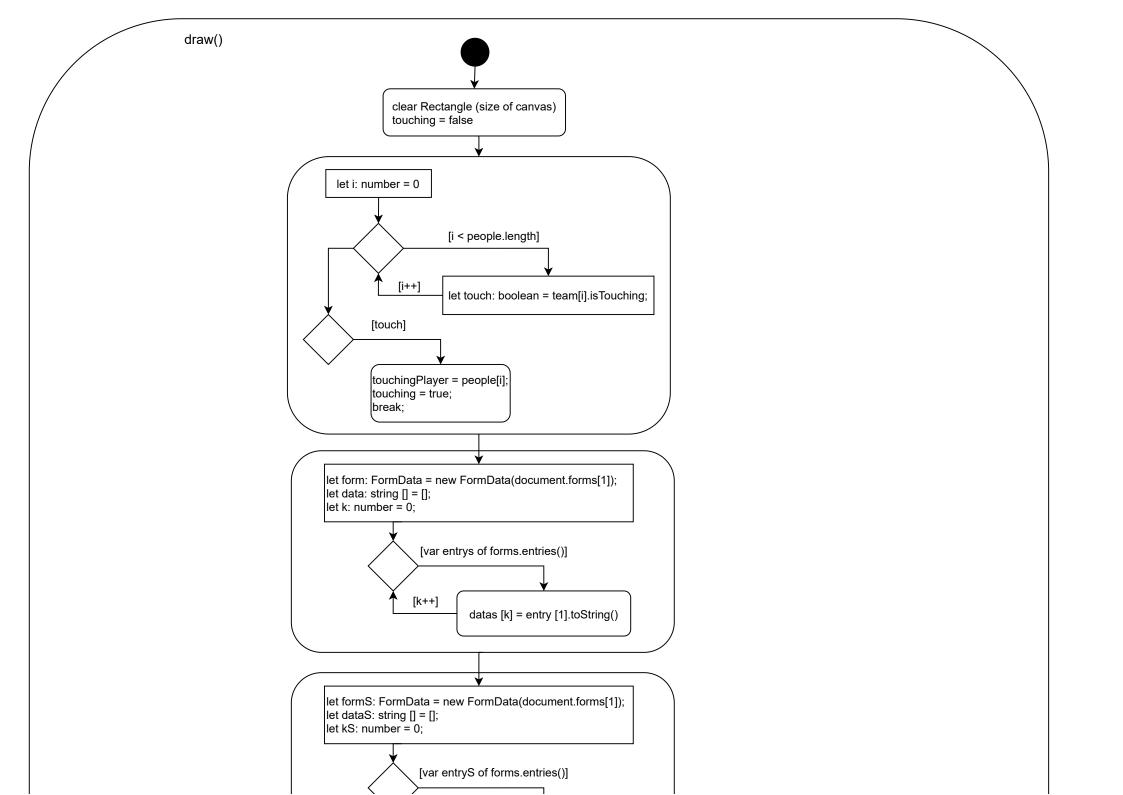


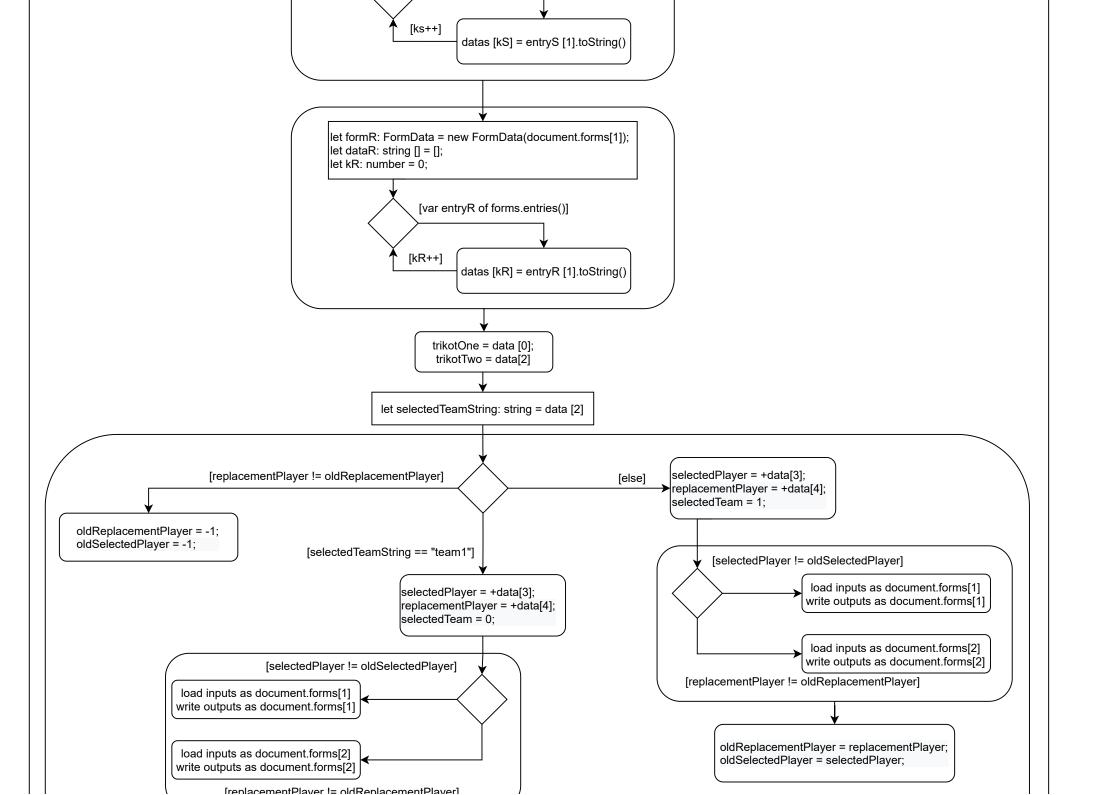


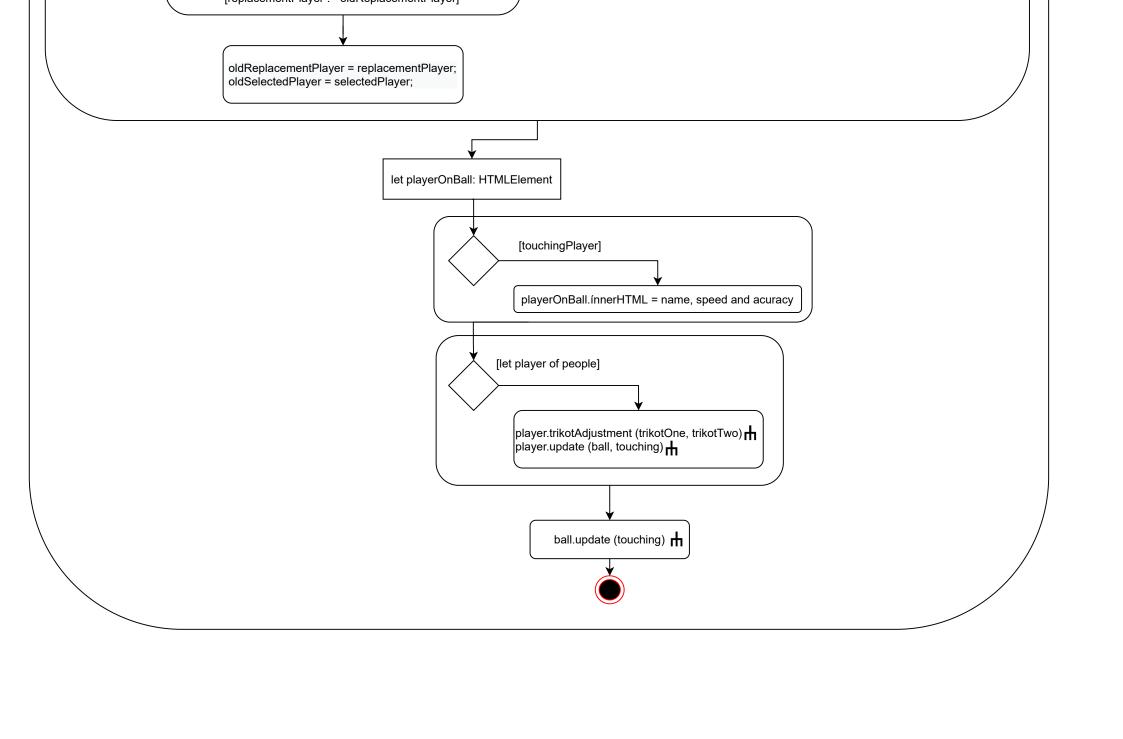




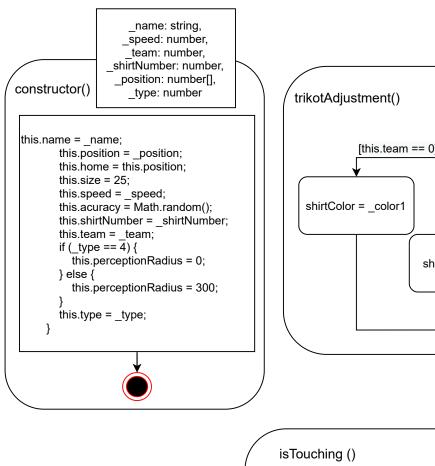


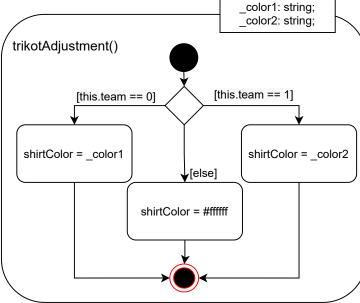


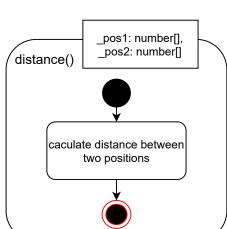


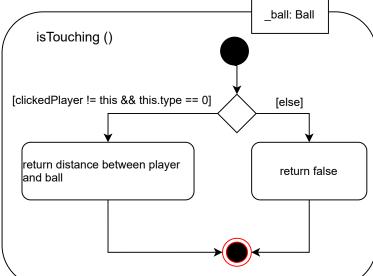


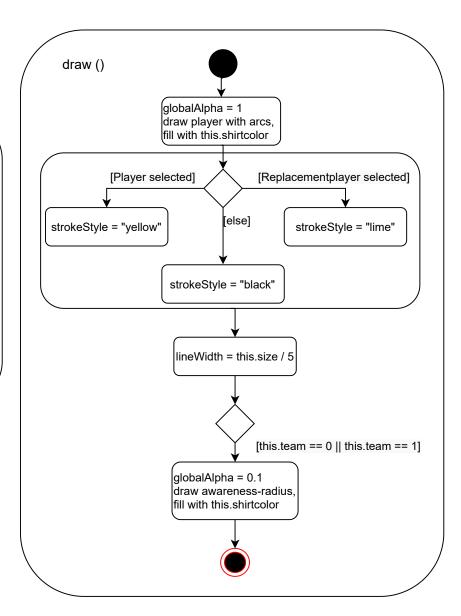
### Aktivitätsdiagramm Player



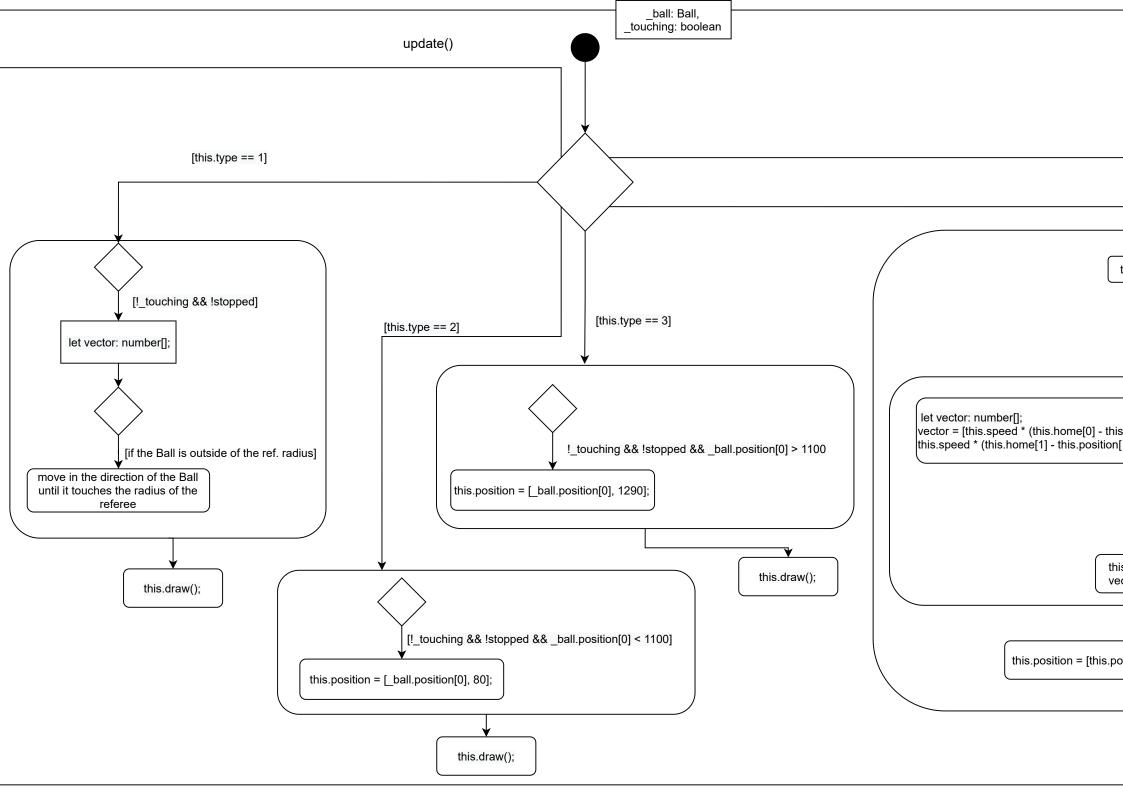


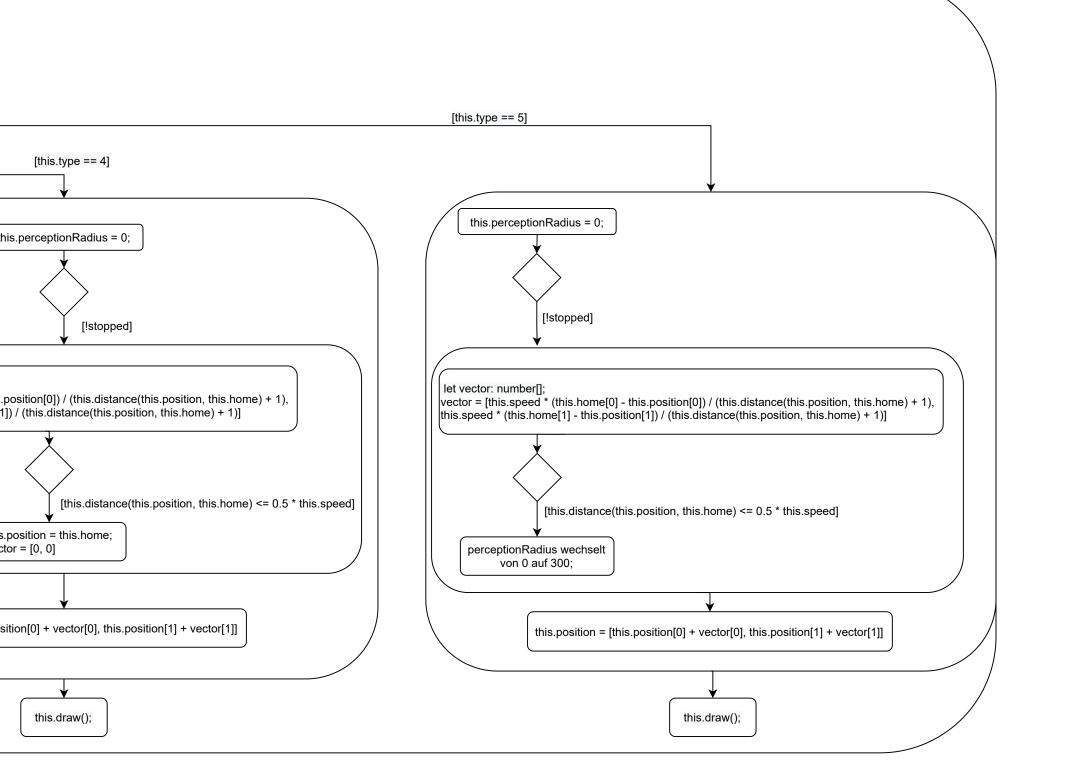






[this.type == 0]
[!_touching && !stopped]  let vector: number[];
player walks towards the ball with his individual speed  Player stays or returns to his homeposition  [this.distance(this.position, this.home) <= 0.5 * this.speed]
this.position = this.home; vector = [0, 0];  this.position = [this.position[0] + vector[0], this.position[1] + vector[1]];  this.draw();





# Aktivitätsdiagramm Ball

