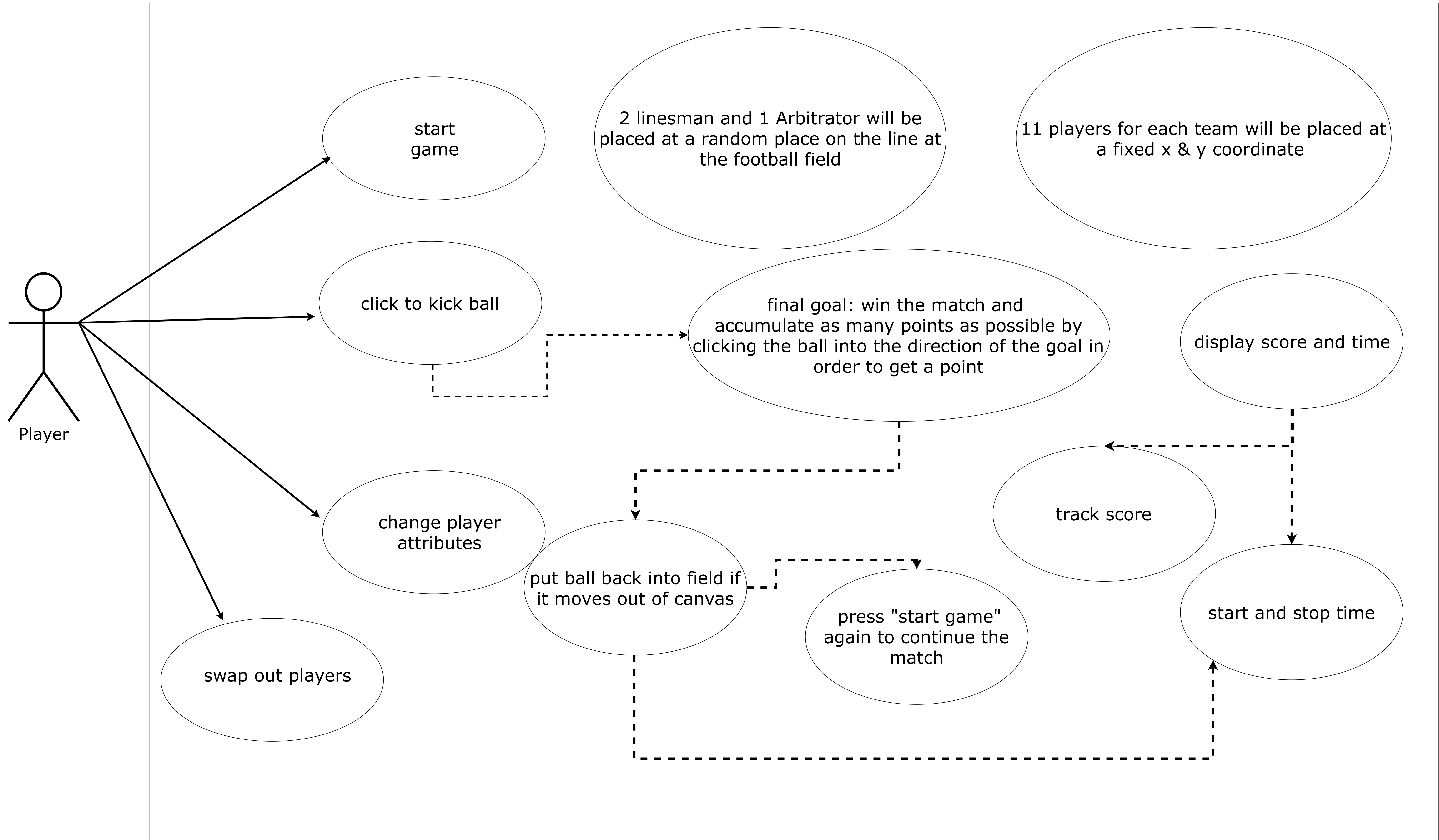
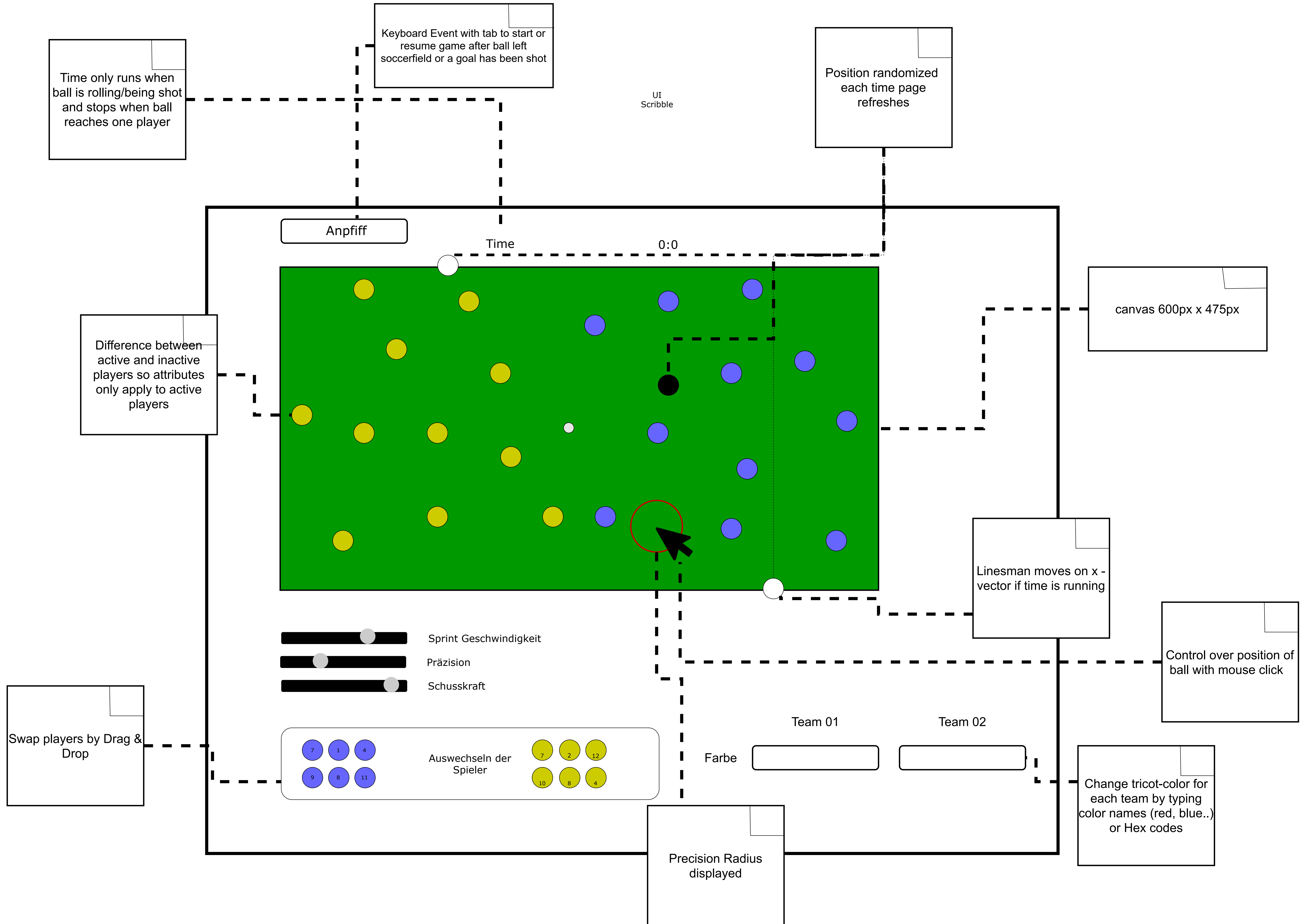


## Anleitung zur Interaktion mit der Anwendung

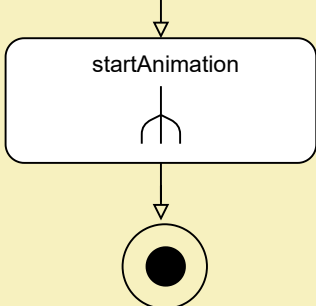
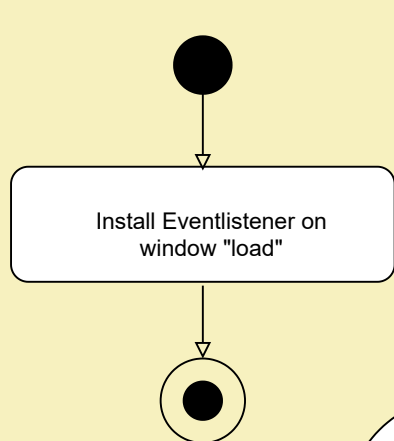
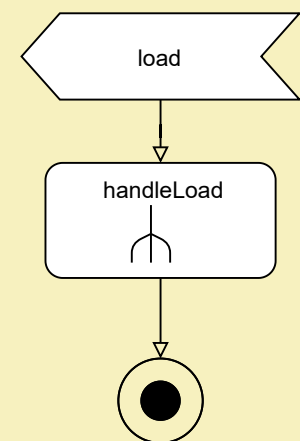
1. Doppelklick auf die ZIP-Datei um diese zu entpacken und die notwendigen Dateien einzusehen.
2. Doppelklick auf die index.html Datei. Die Datei bzw. Anwendung öffnet sich dann auf deinem präferierten Browser.
3. Nun kannst du das Spiel mit Leertaste oder mit Klick auf "Anpfiff" starten.
4. Versuche nun ein Tor zu schießen. Wenn dir das geglückt ist, drücke wieder auf die Leertaste oder auf "Anpfiff" um wieder zu starten.

Use-Case-Diagram

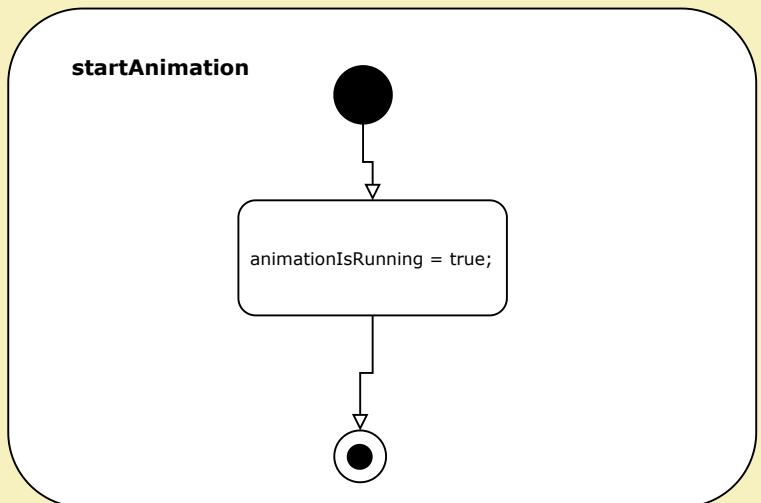
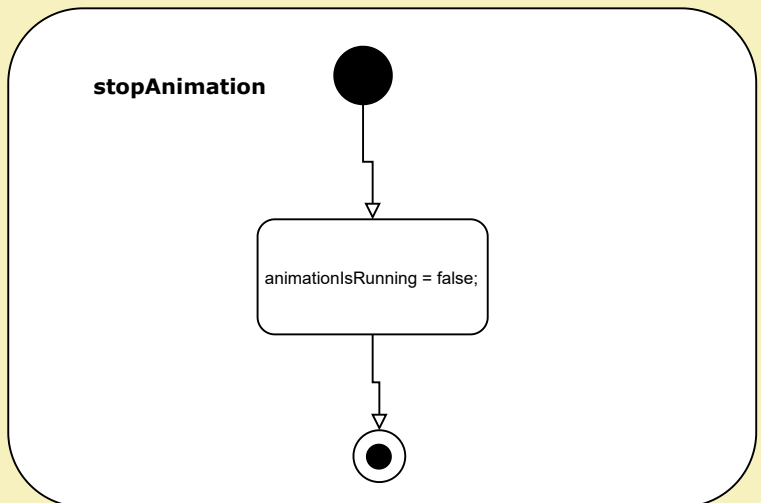
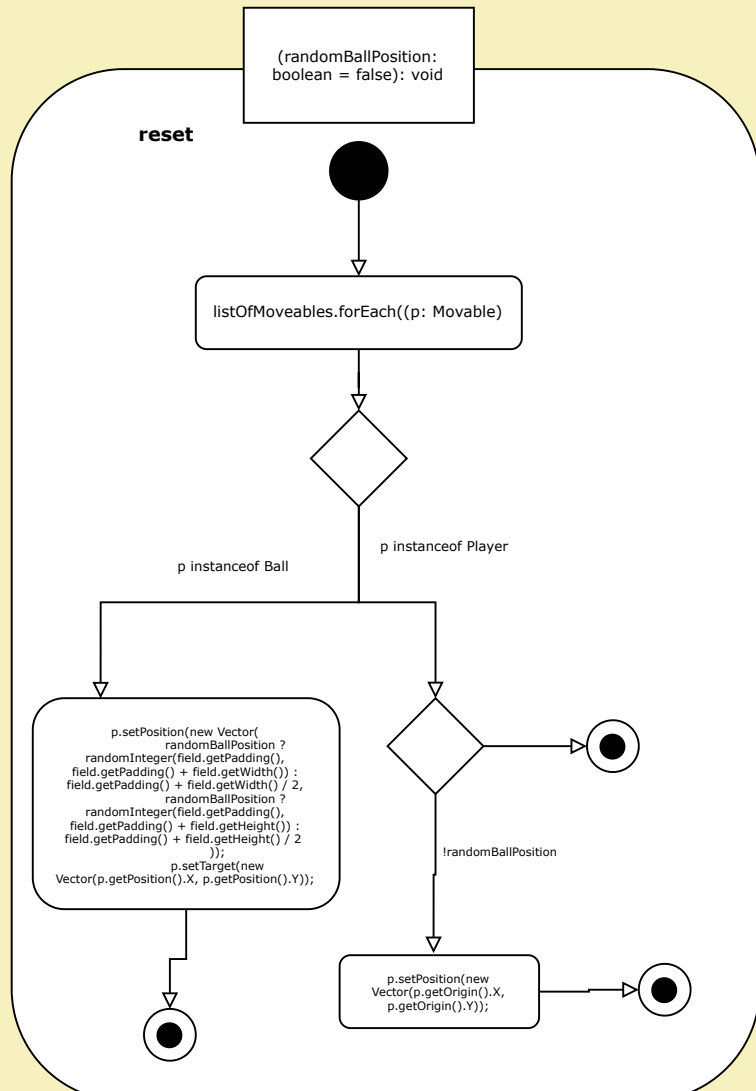
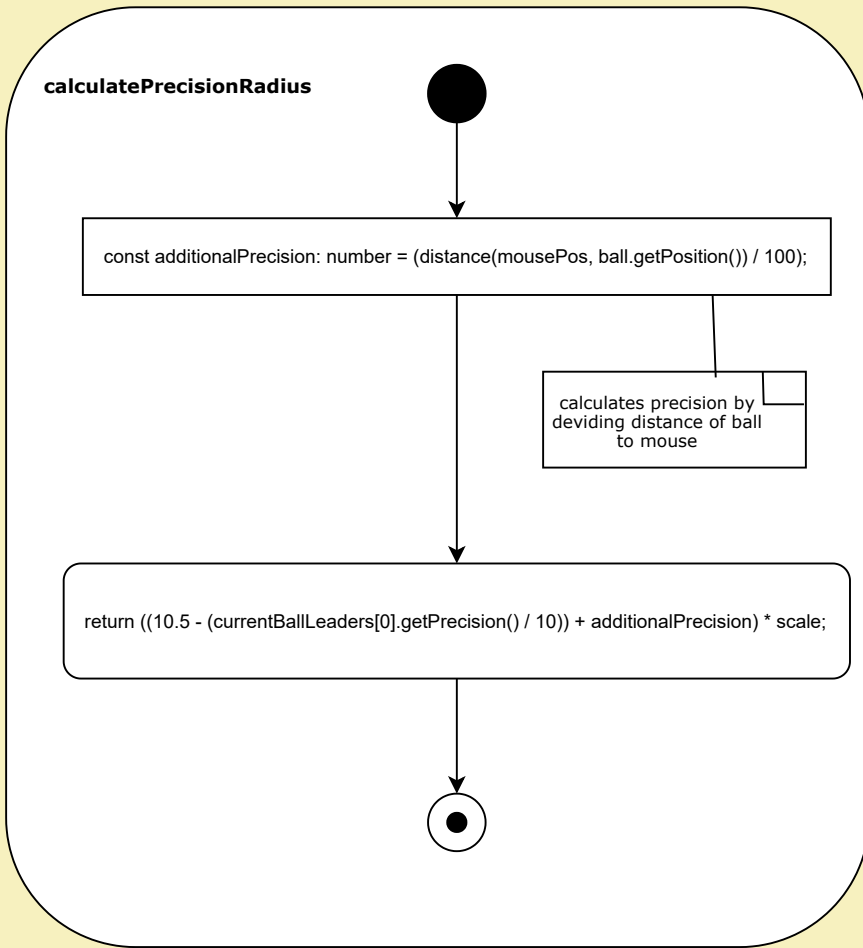
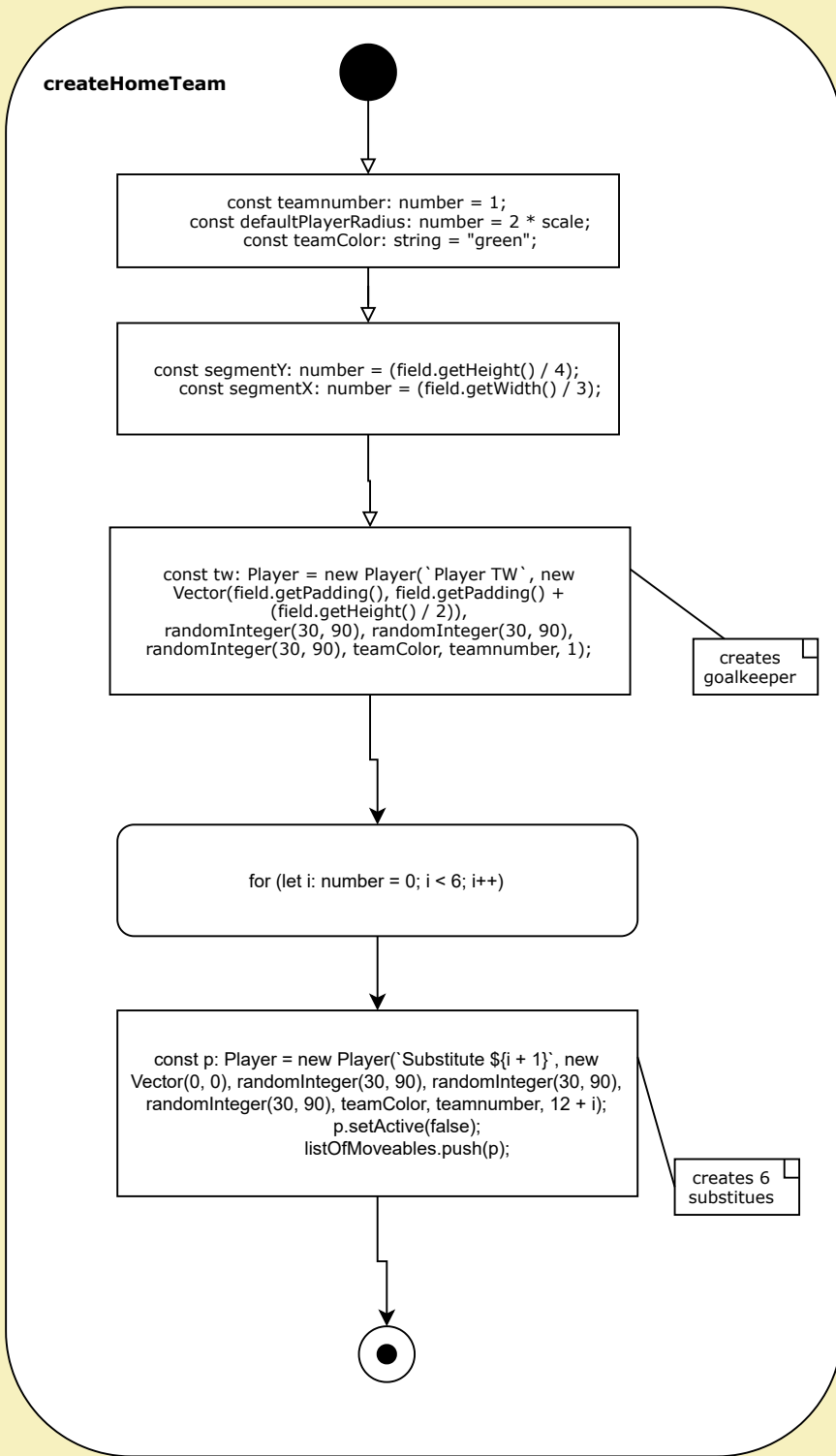
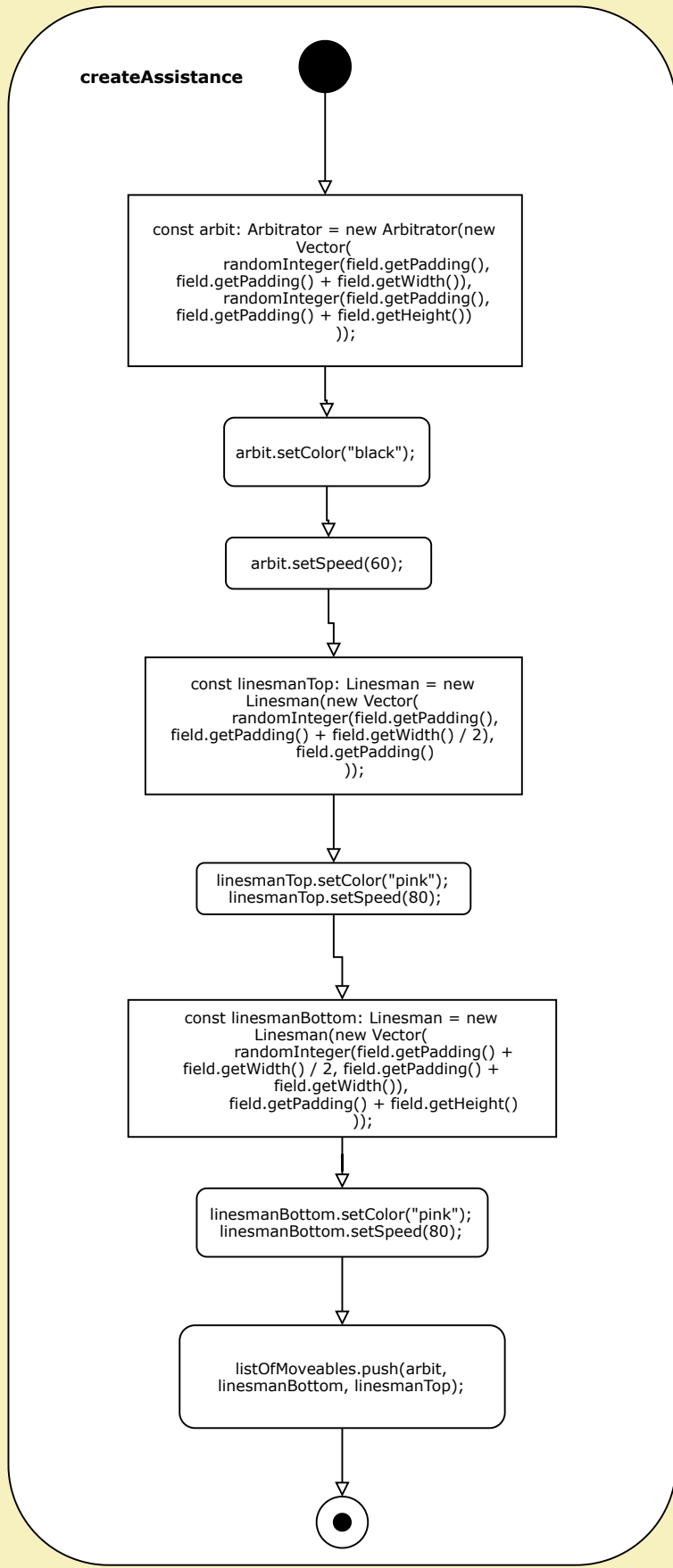
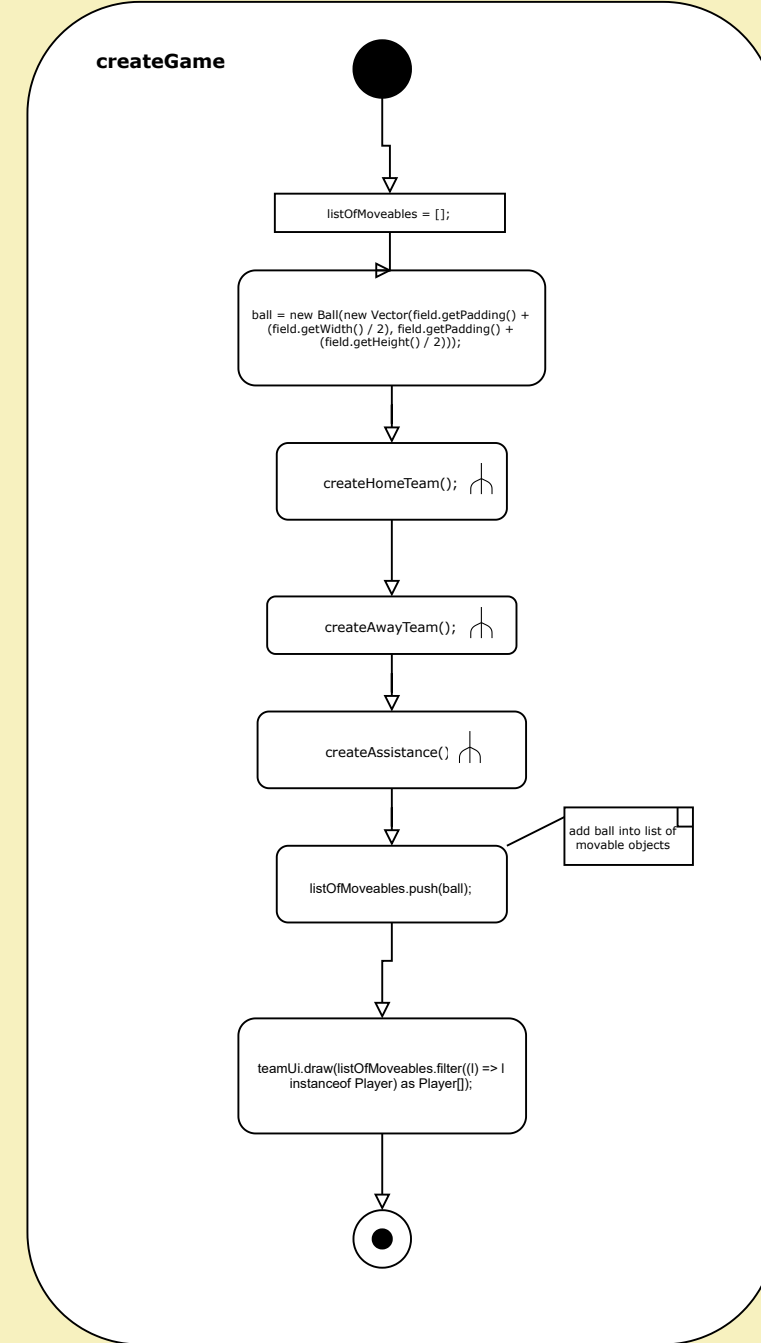
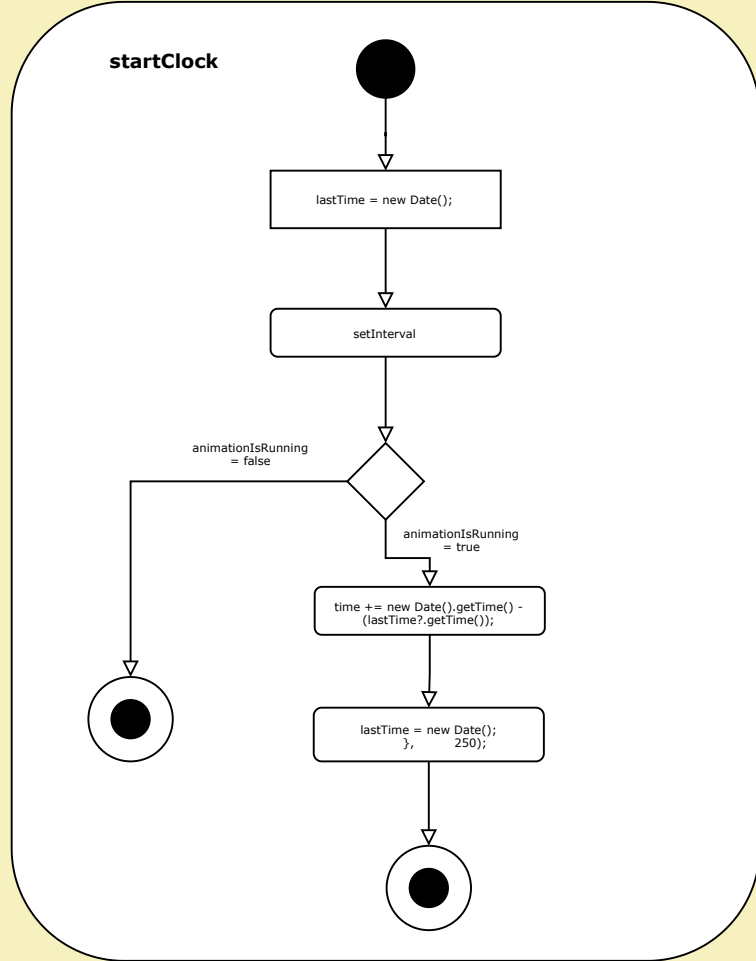
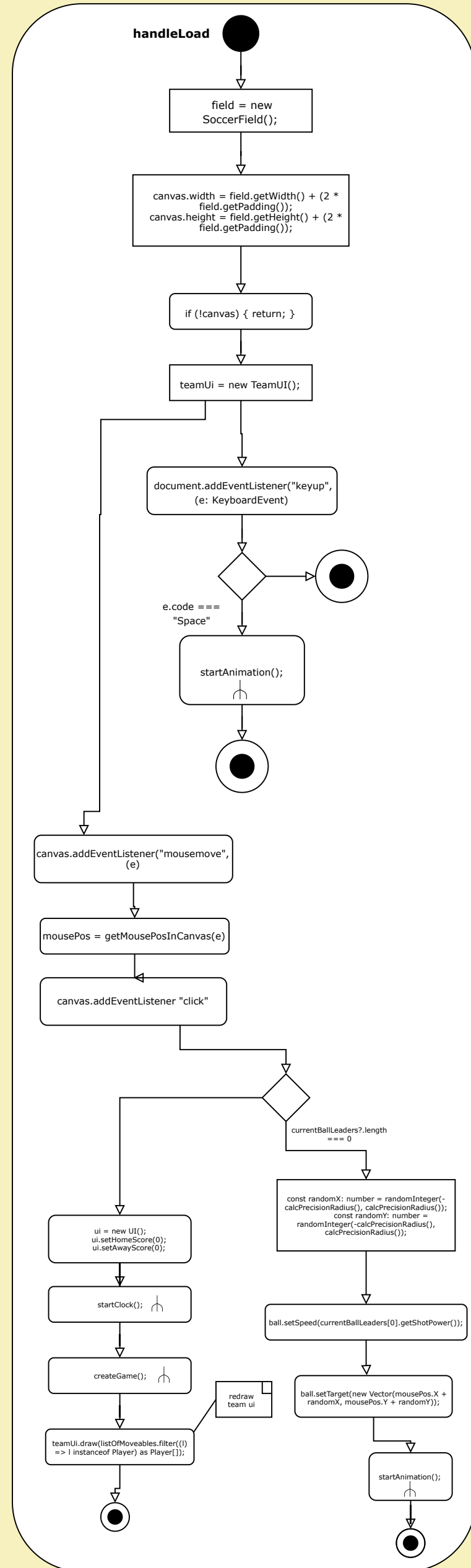




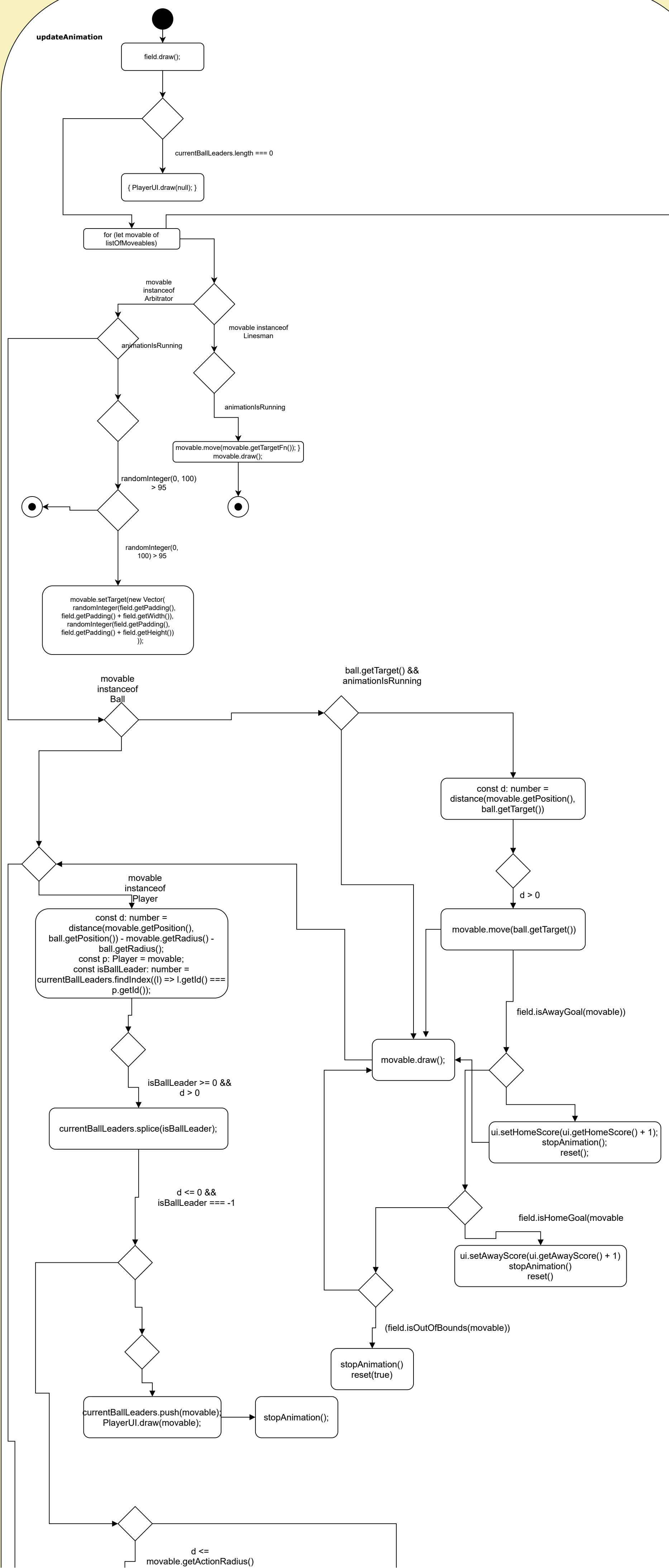
# MAIN

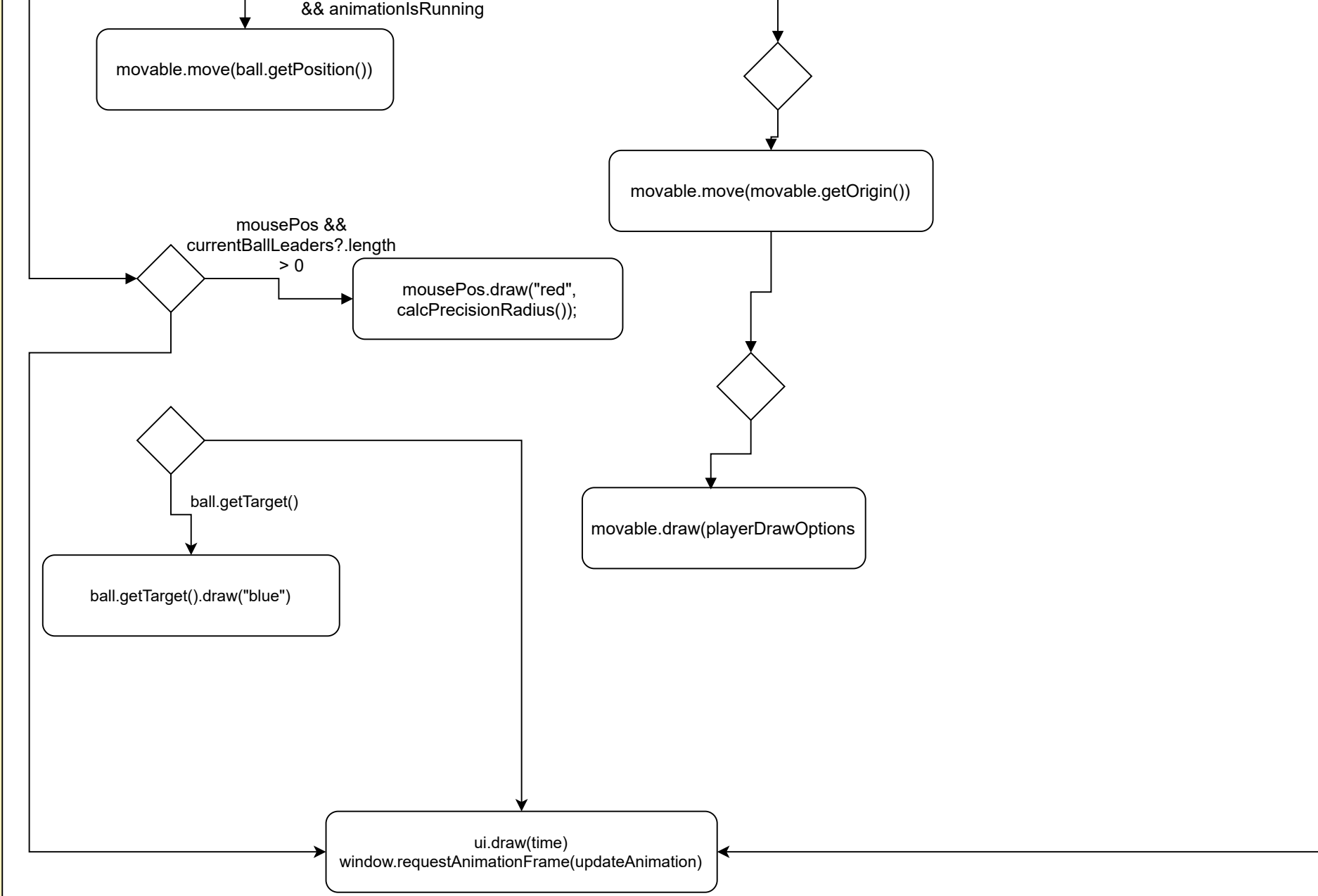


```
let canvas: HTMLCanvasElement = document.querySelector("canvas");
let ctx: CanvasRenderingContext2d = canvas.getContext("2d");
let listOfMoveables: Movable[] = [];
let currentBallLeaders: Player[] = [];
let ui: UI;
let animationsRunning: boolean = false;
let time: number = 0;
let lastTime: Date;
let listOfMoveables: Movable[] = [];
let field: SoccerField;
let ball: Ball;
let mousePos: Vector;
```



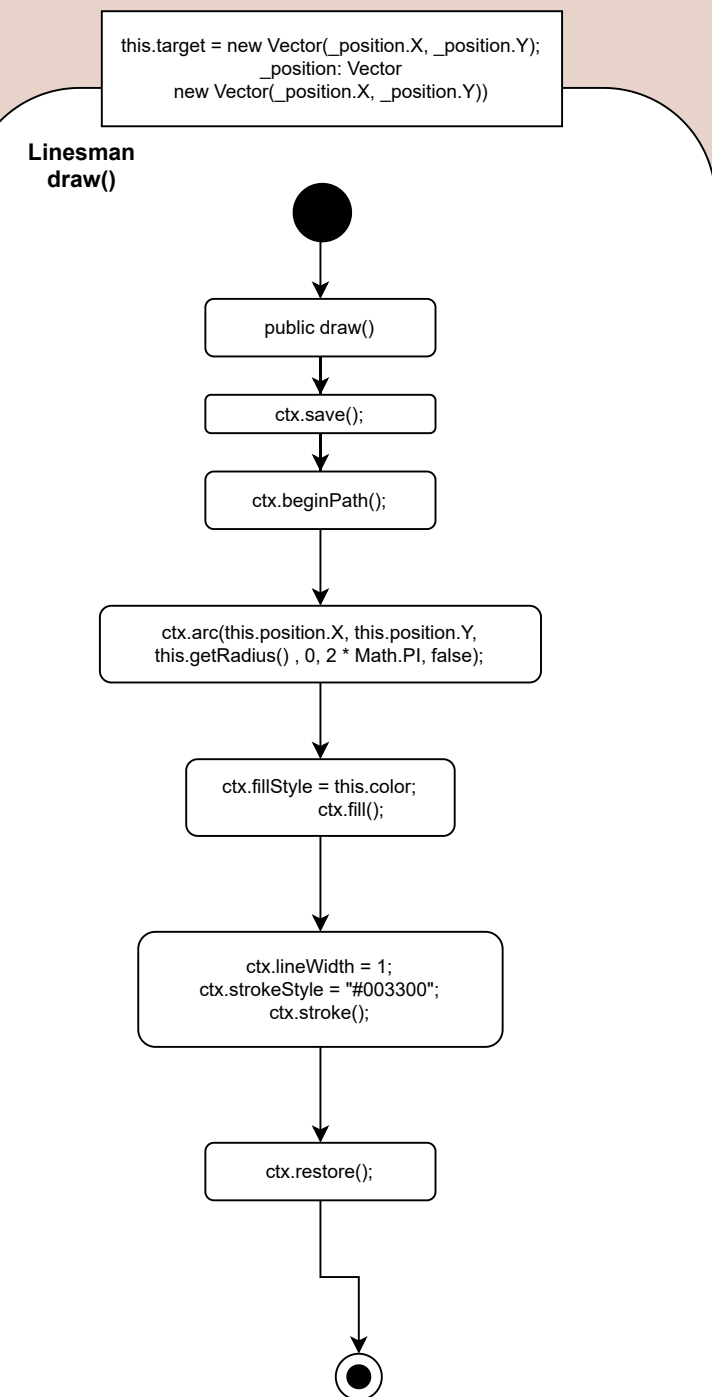
## MAIN



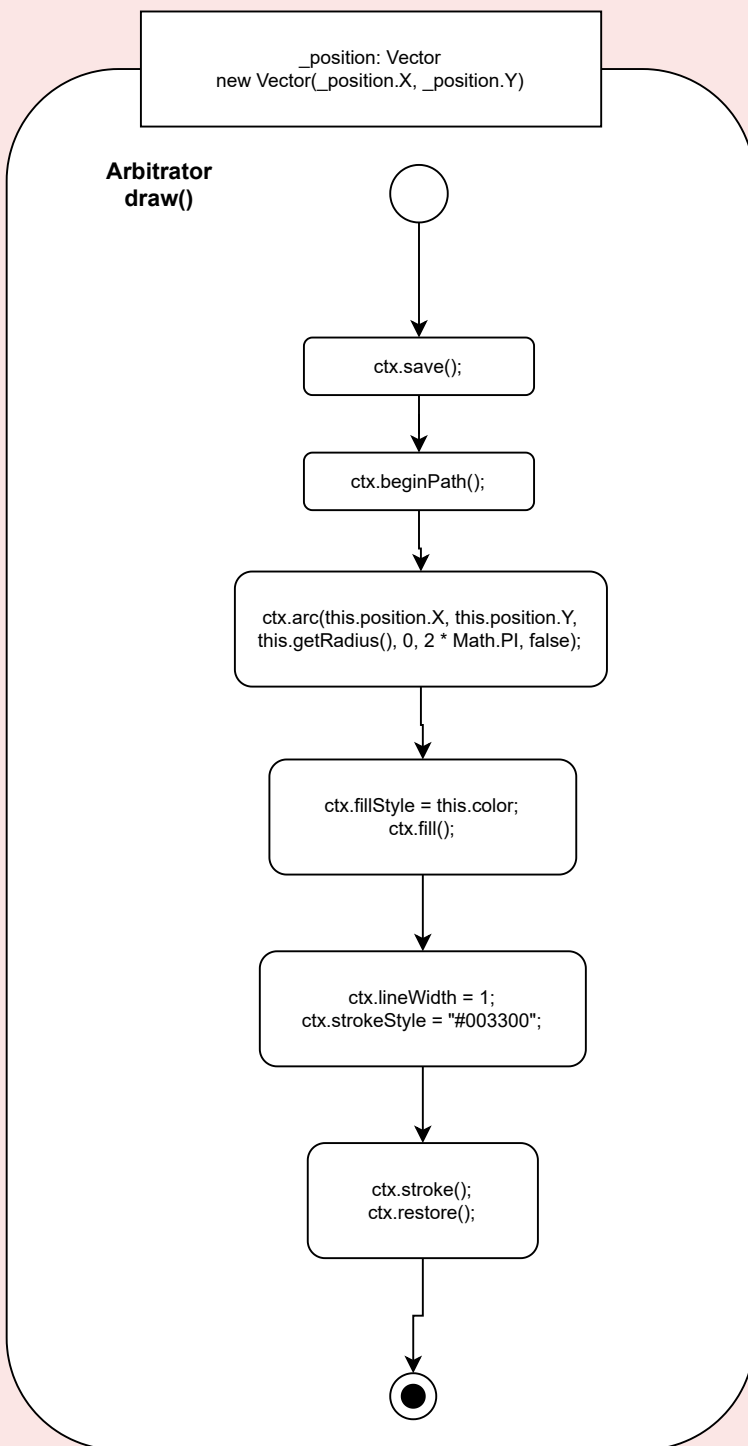




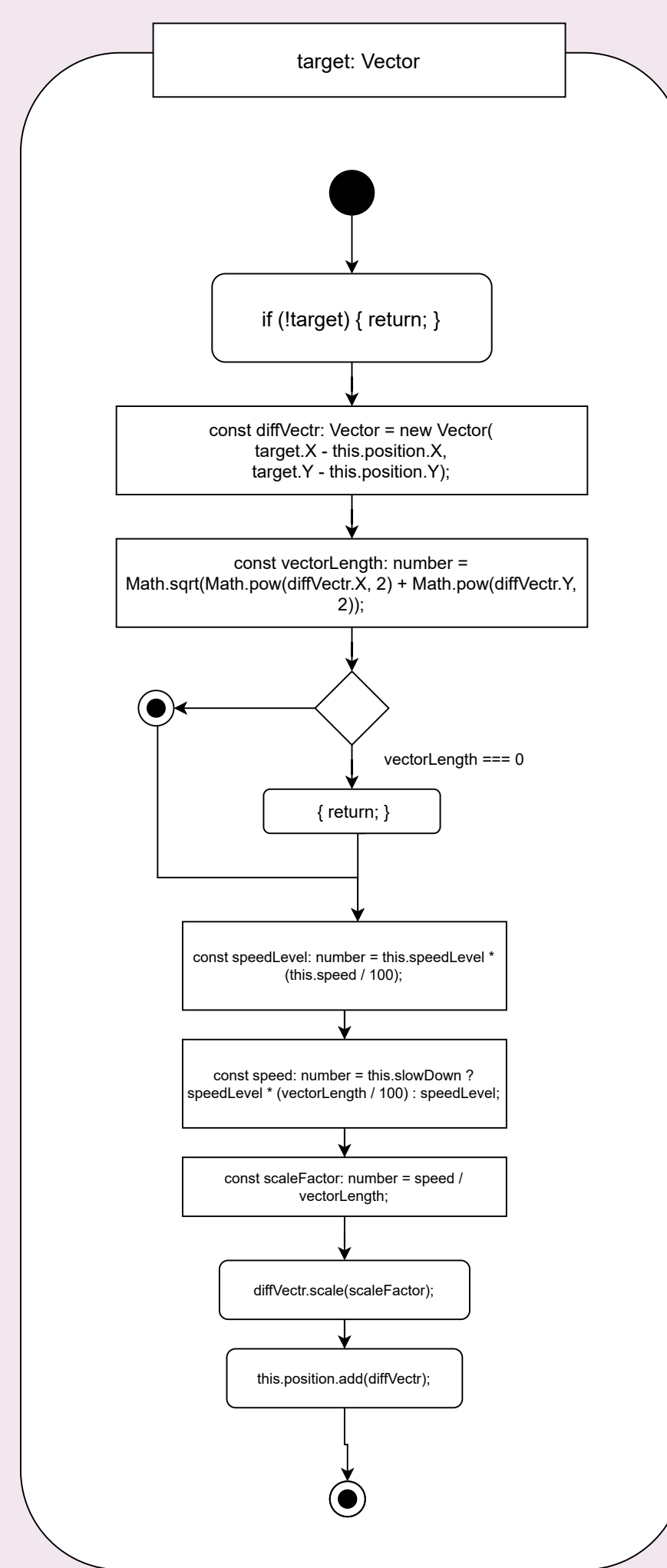
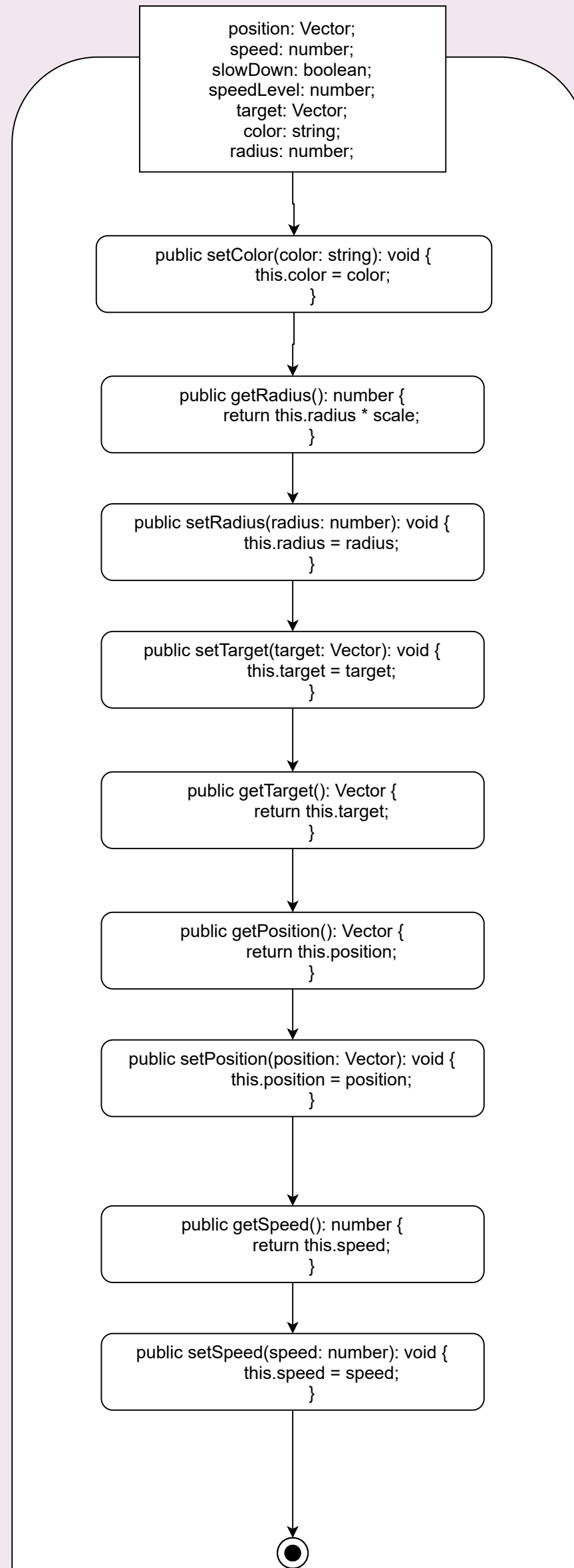
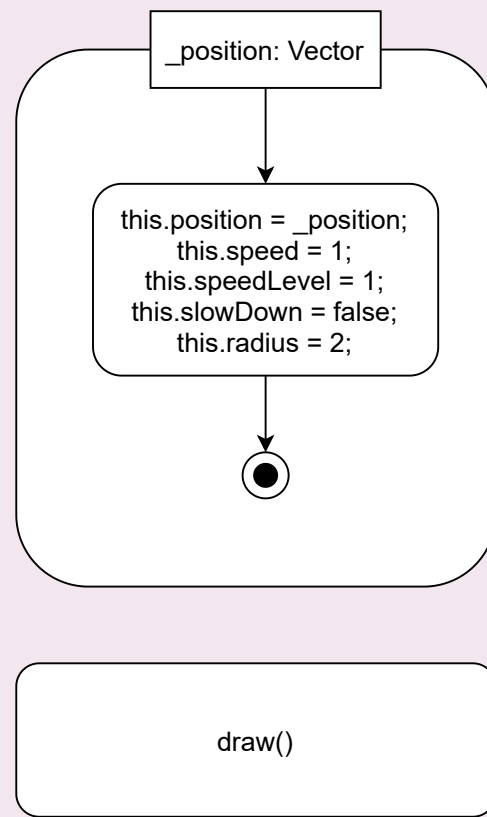
## Linesman



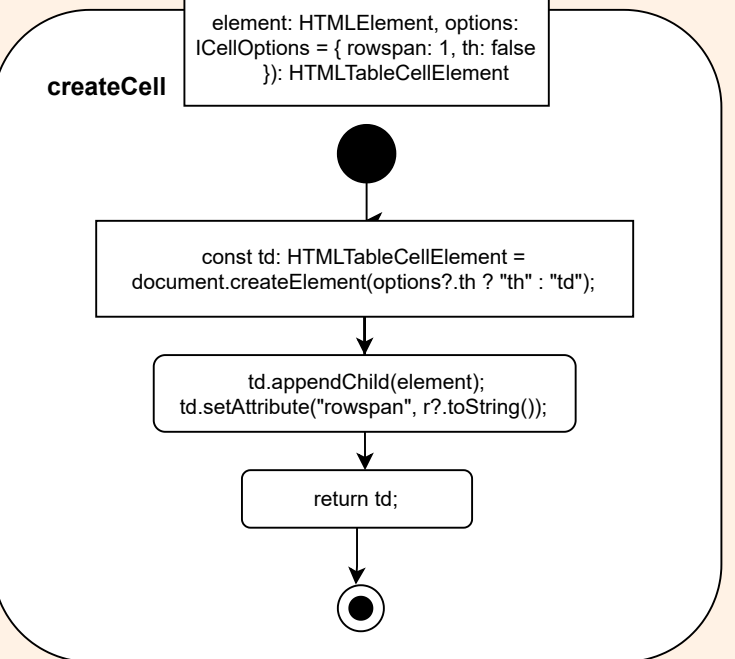
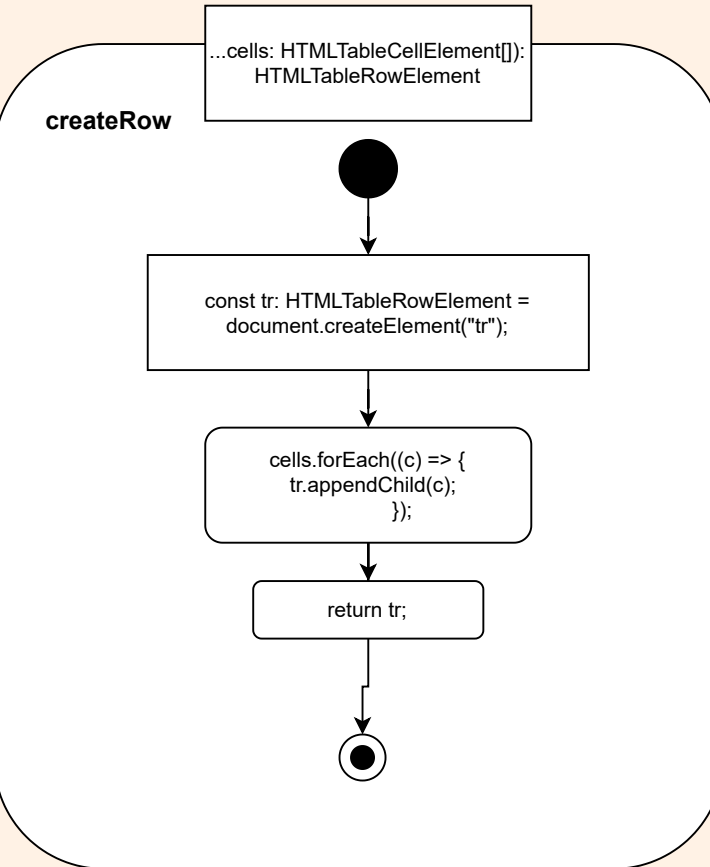
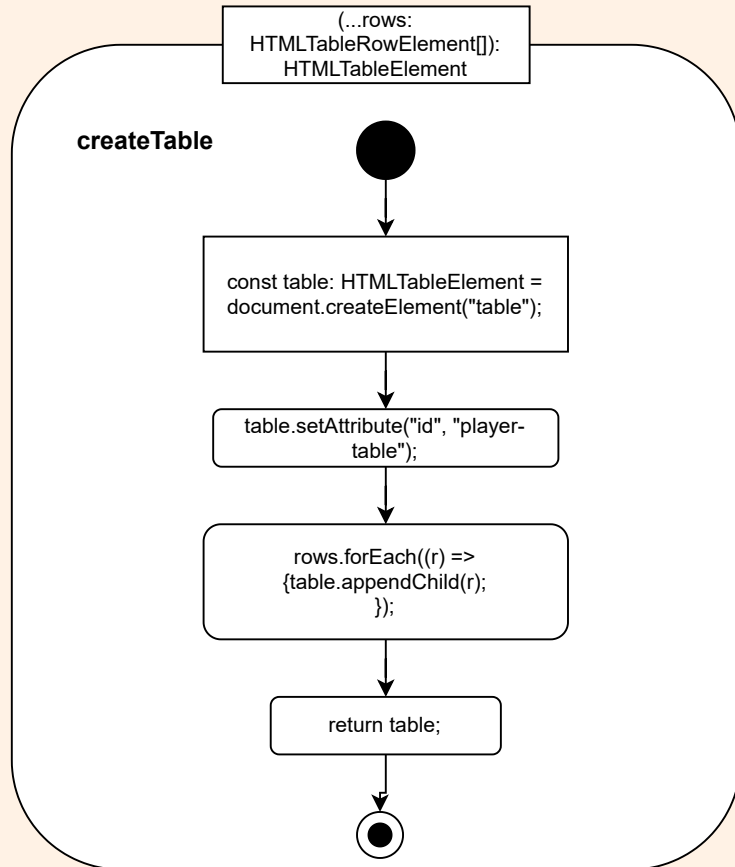
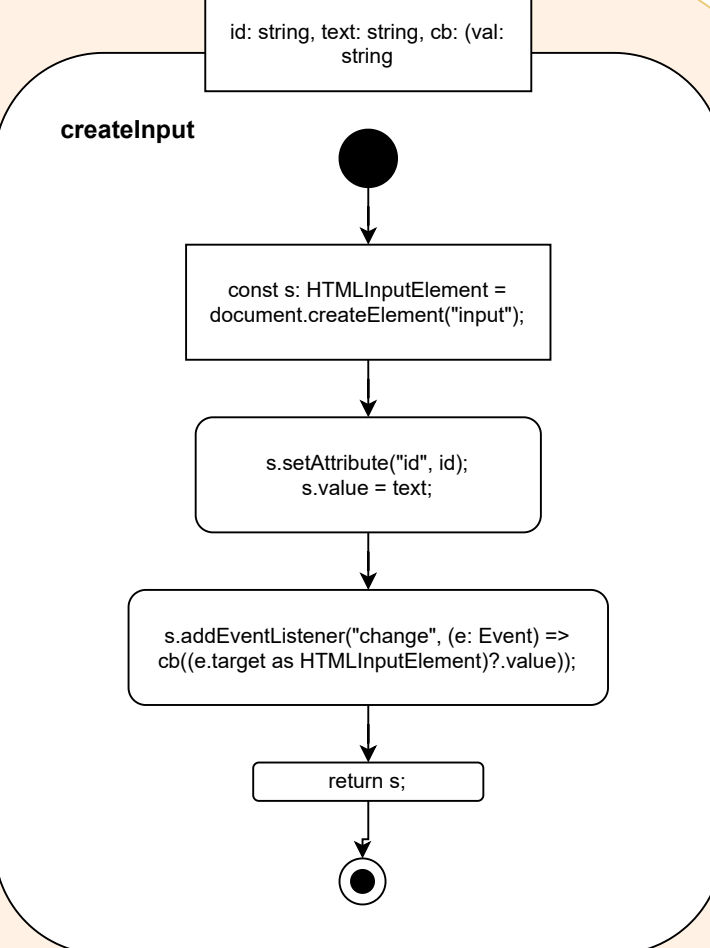
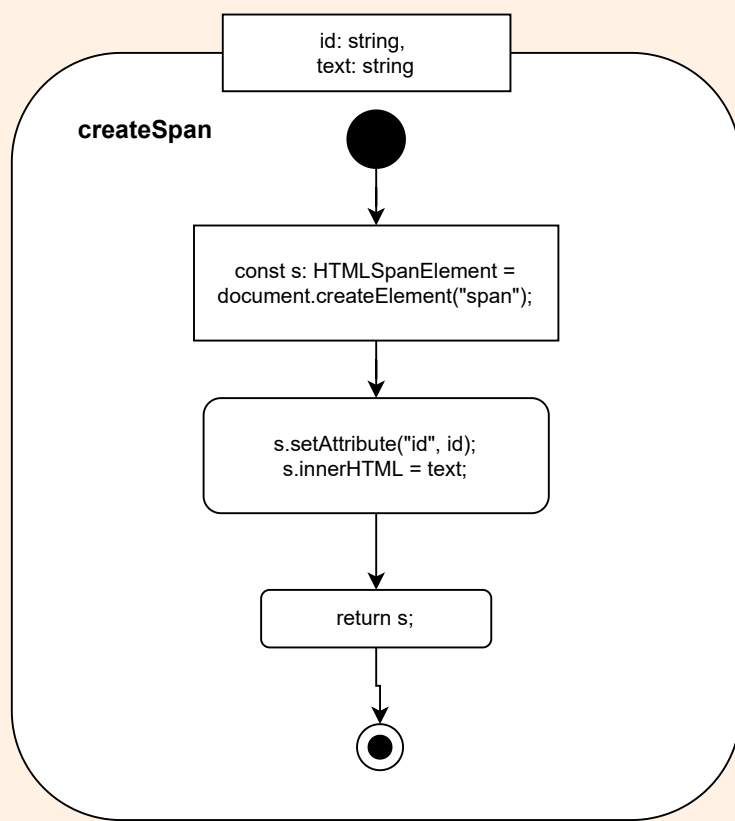
## Arbitrator



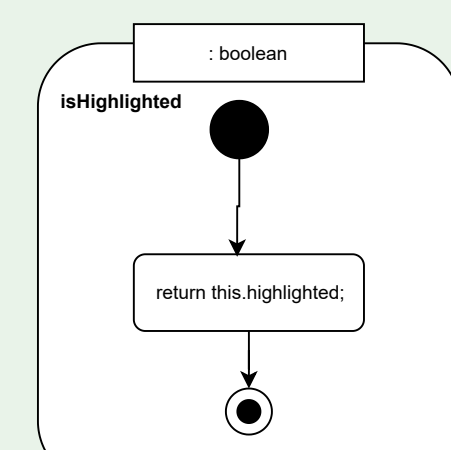
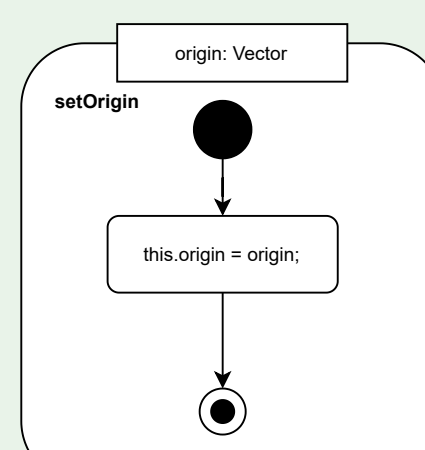
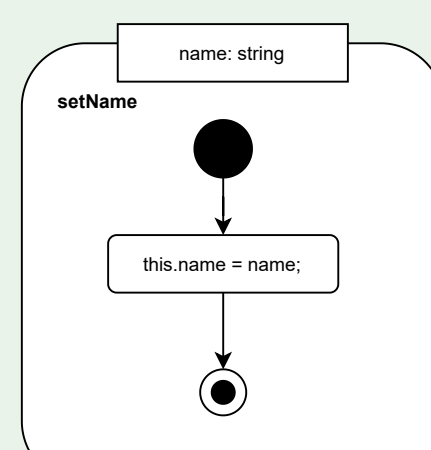
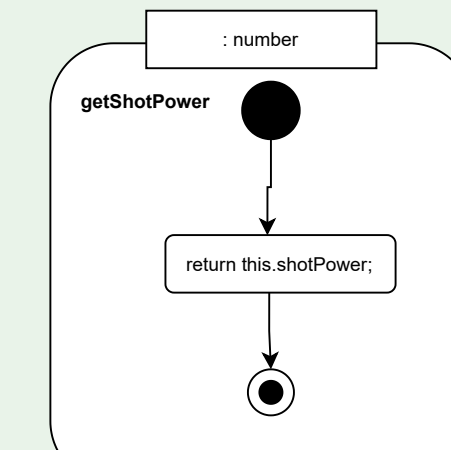
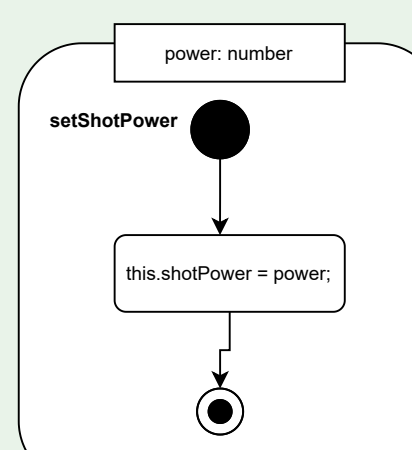
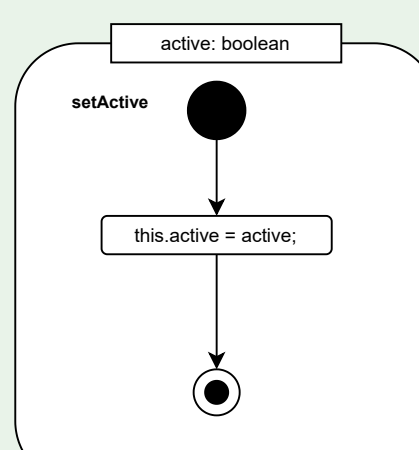
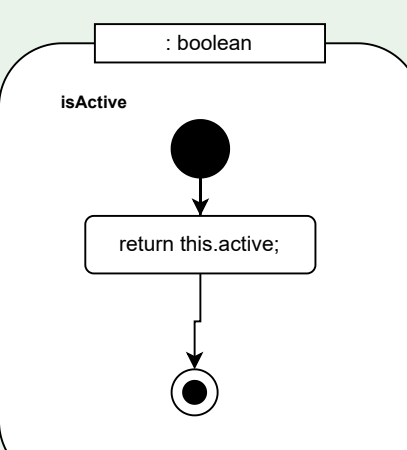
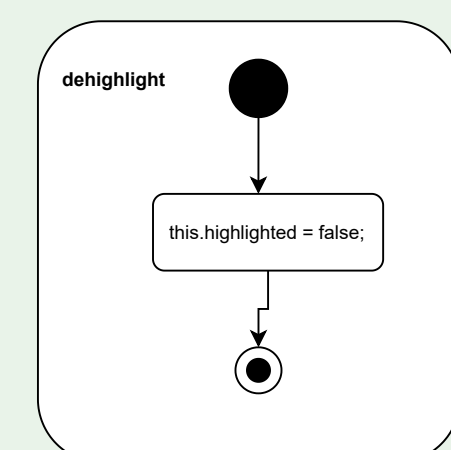
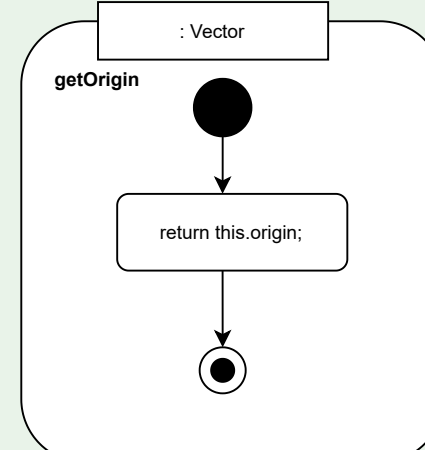
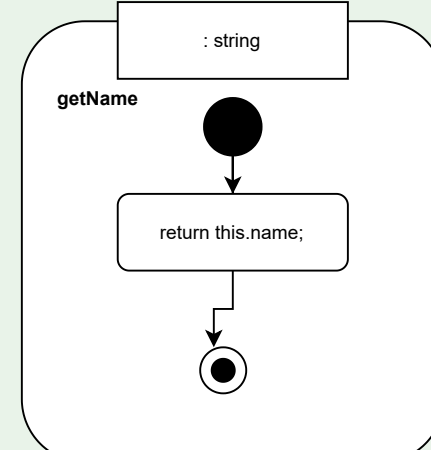
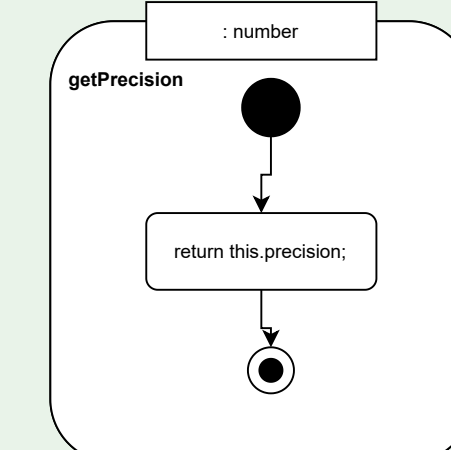
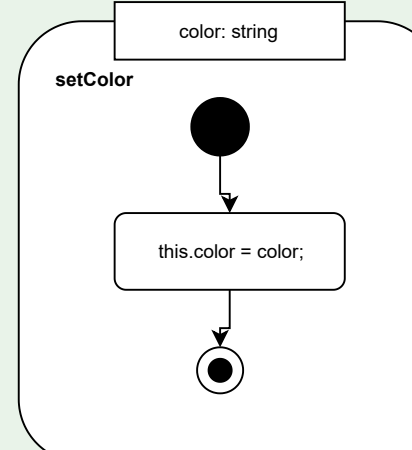
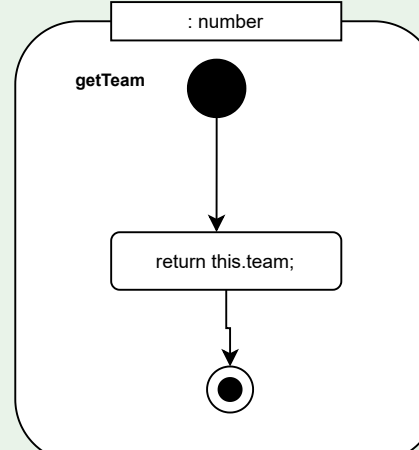
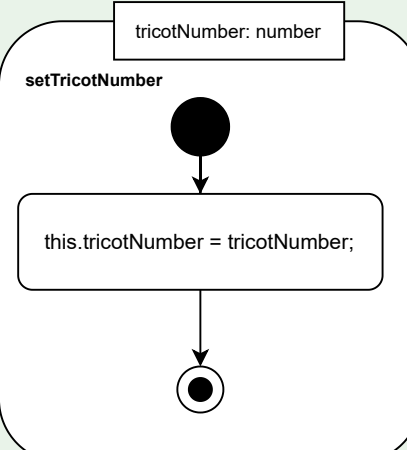
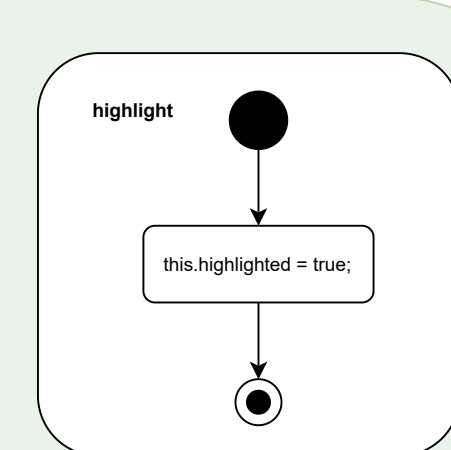
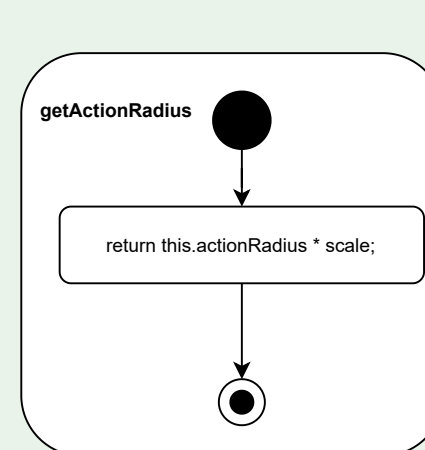
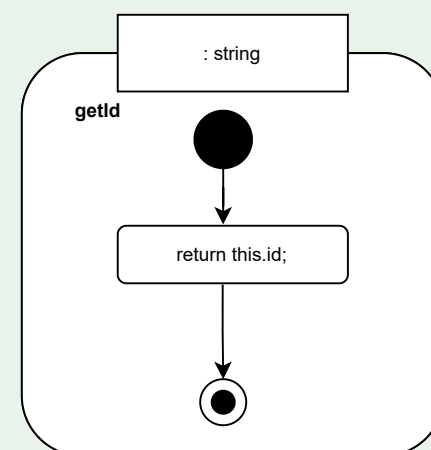
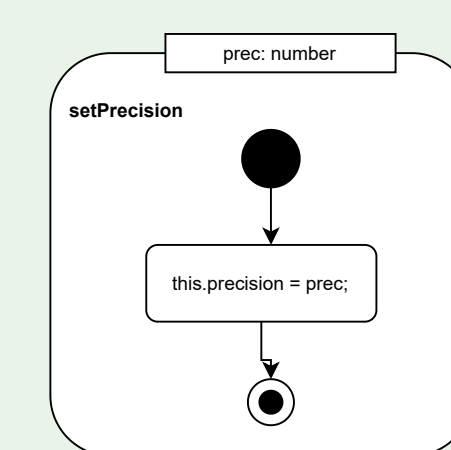
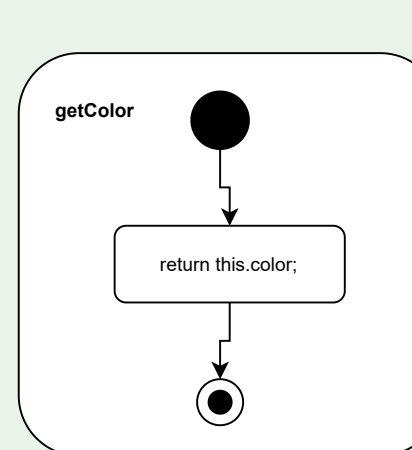
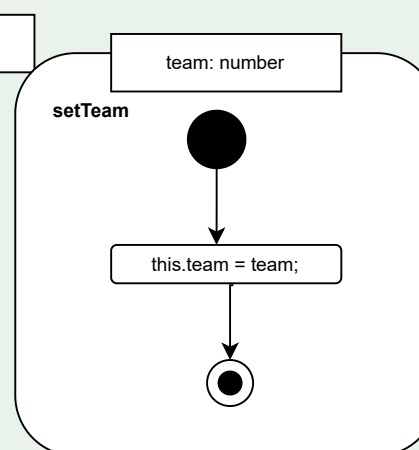
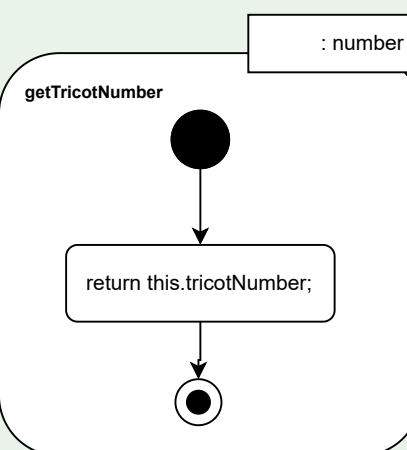
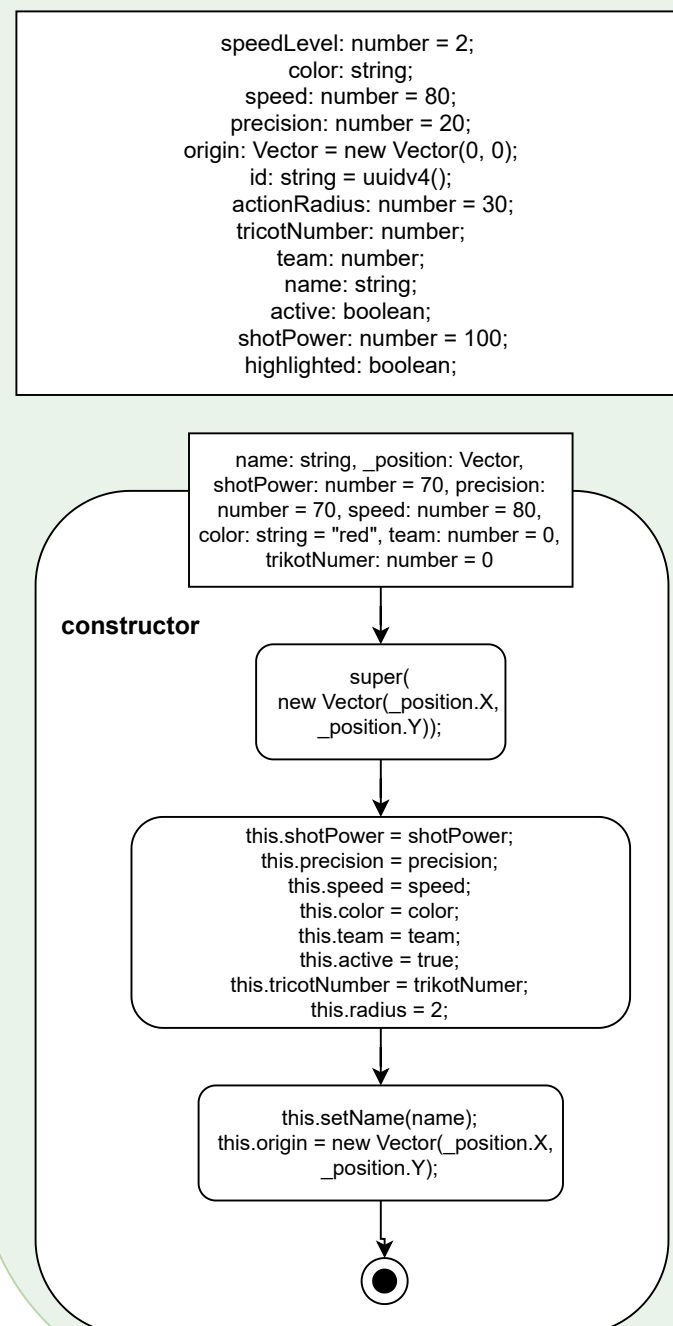
## MOVEABLE



## Table

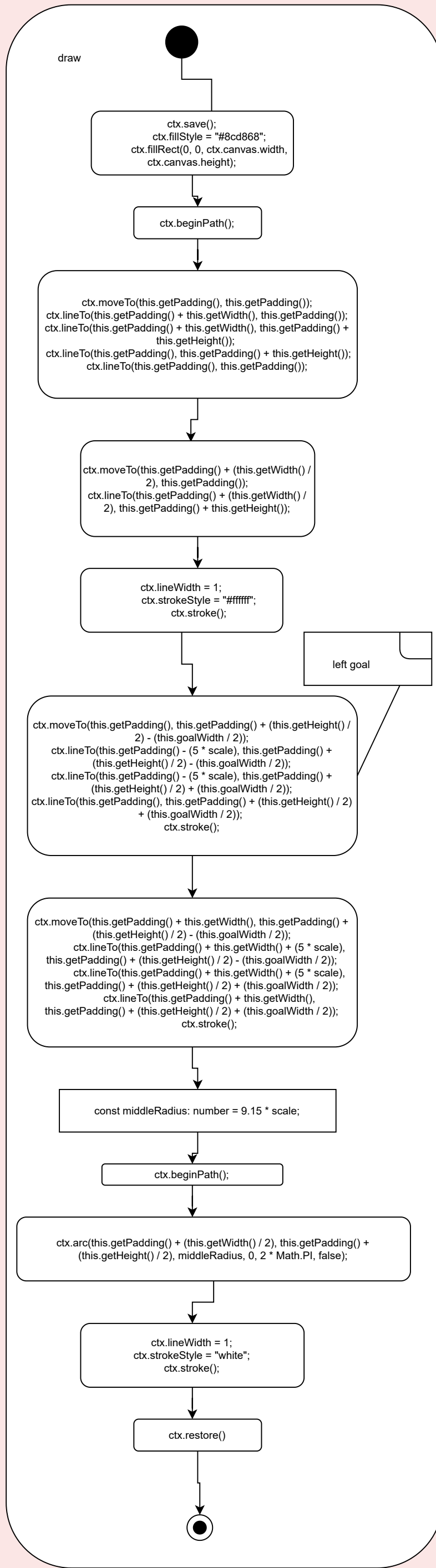
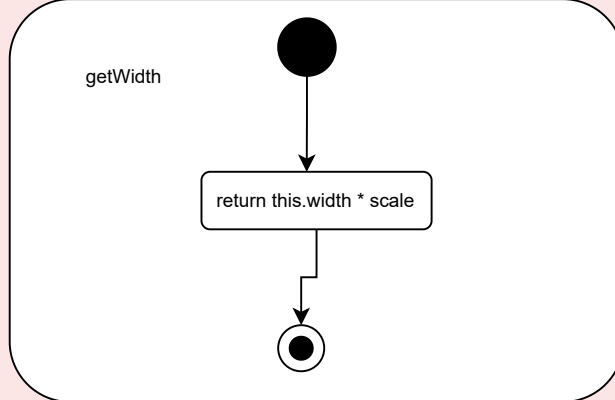
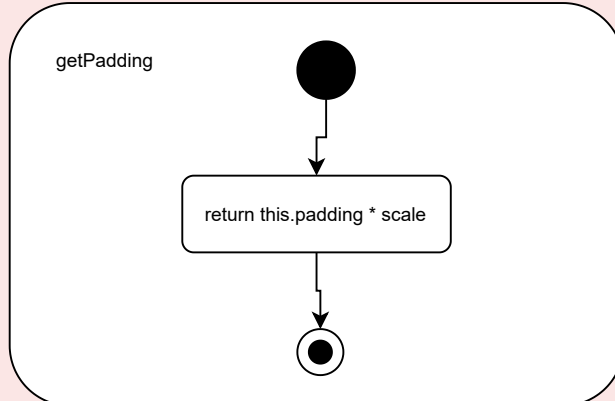
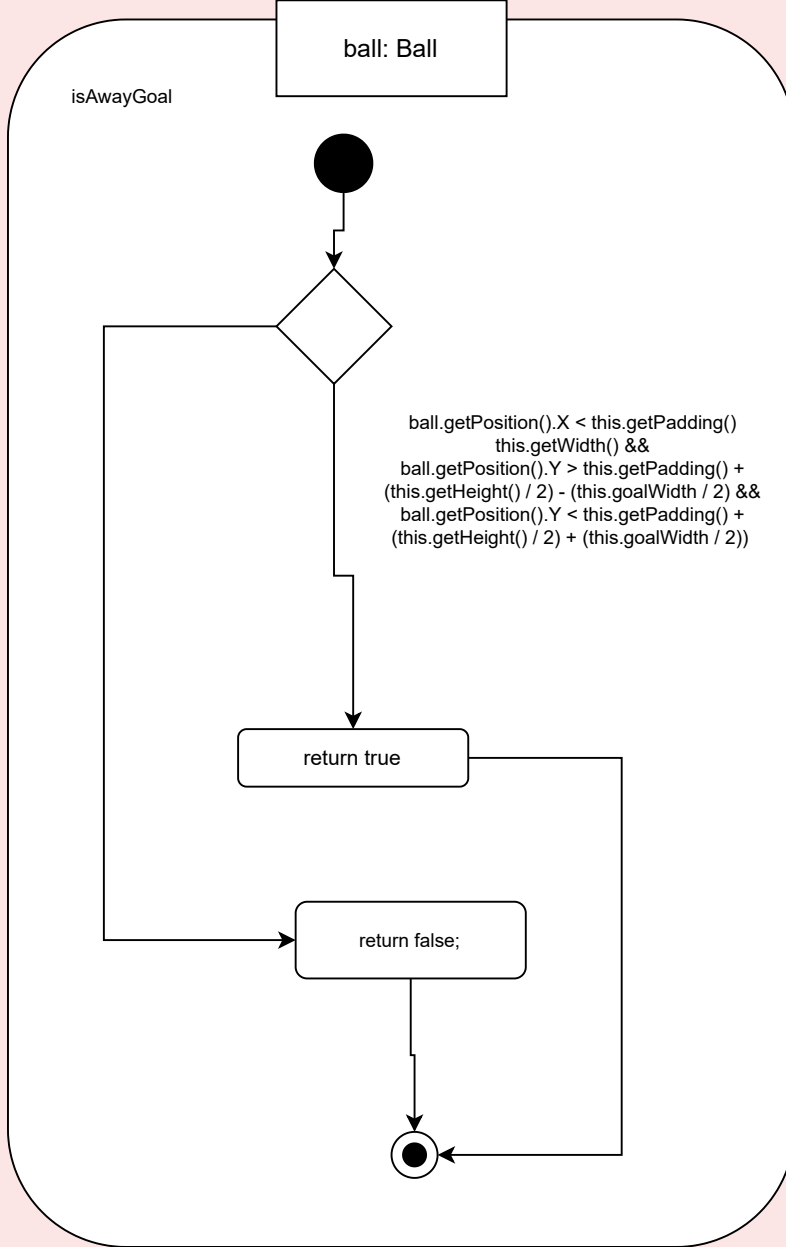
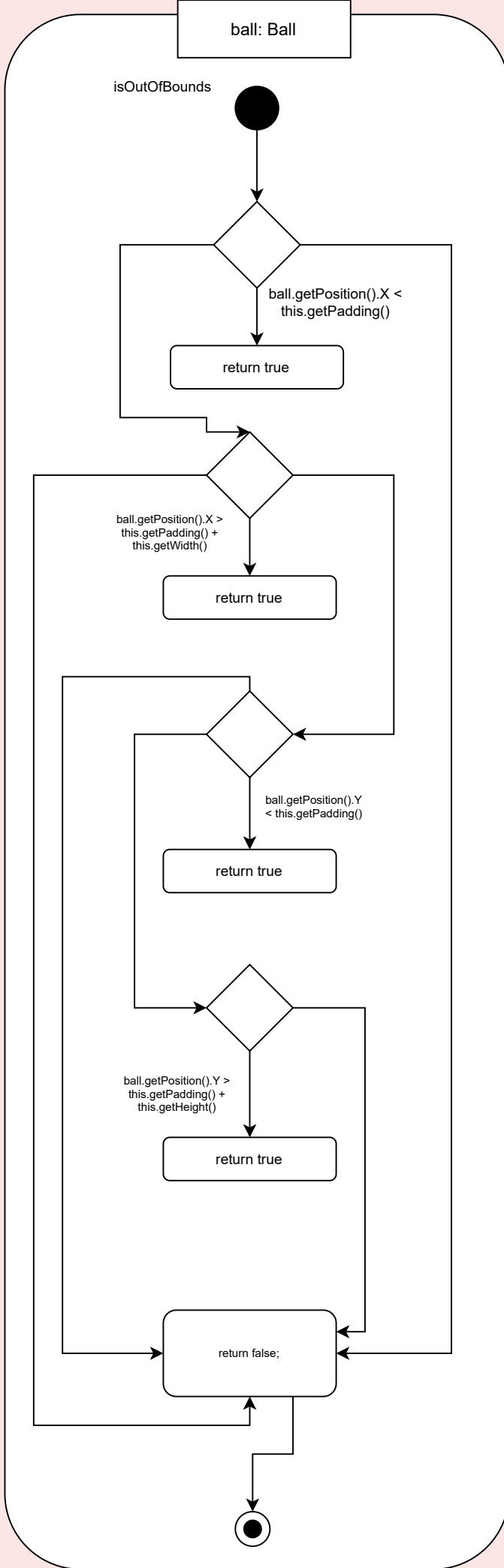
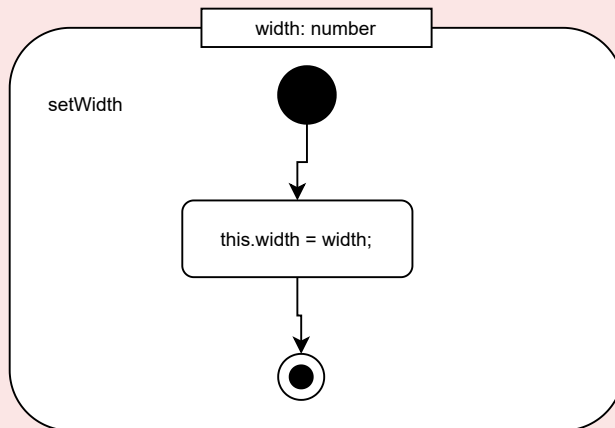
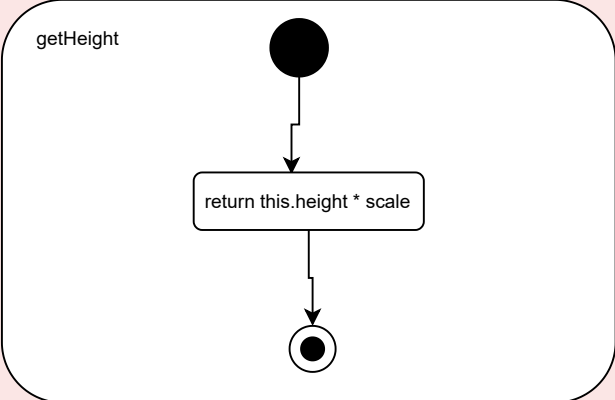
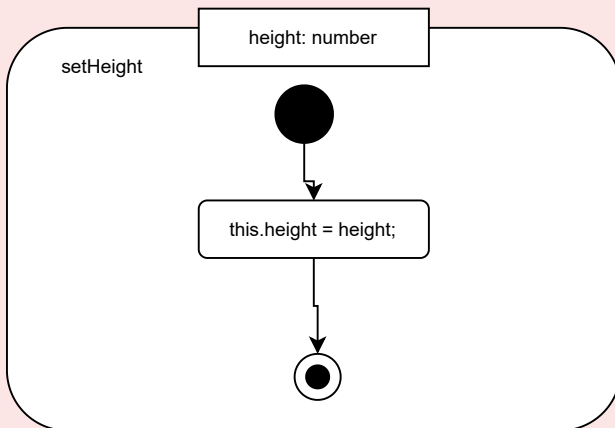
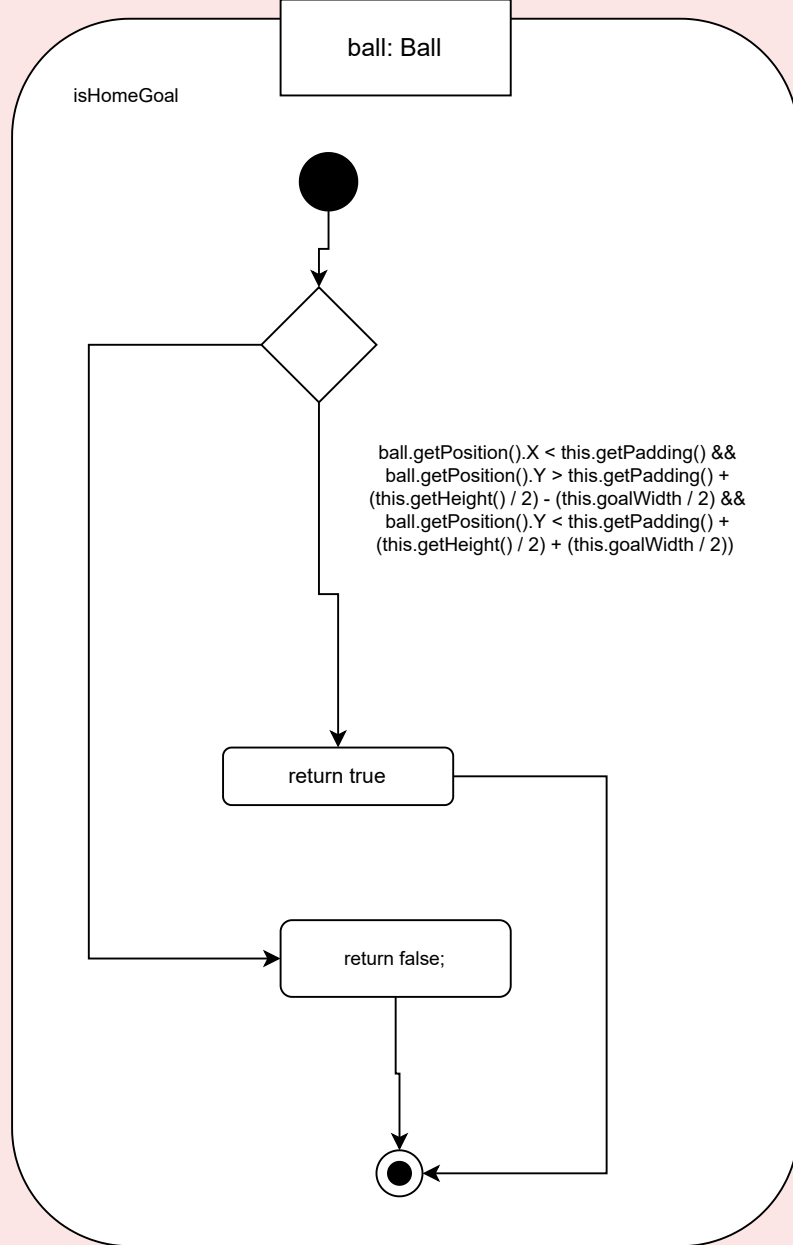
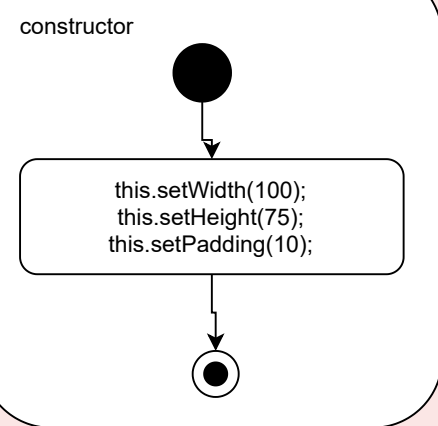


## player

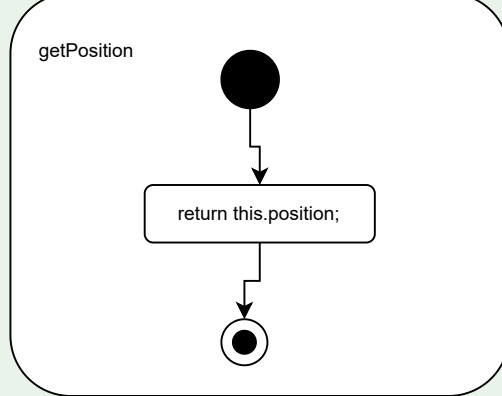
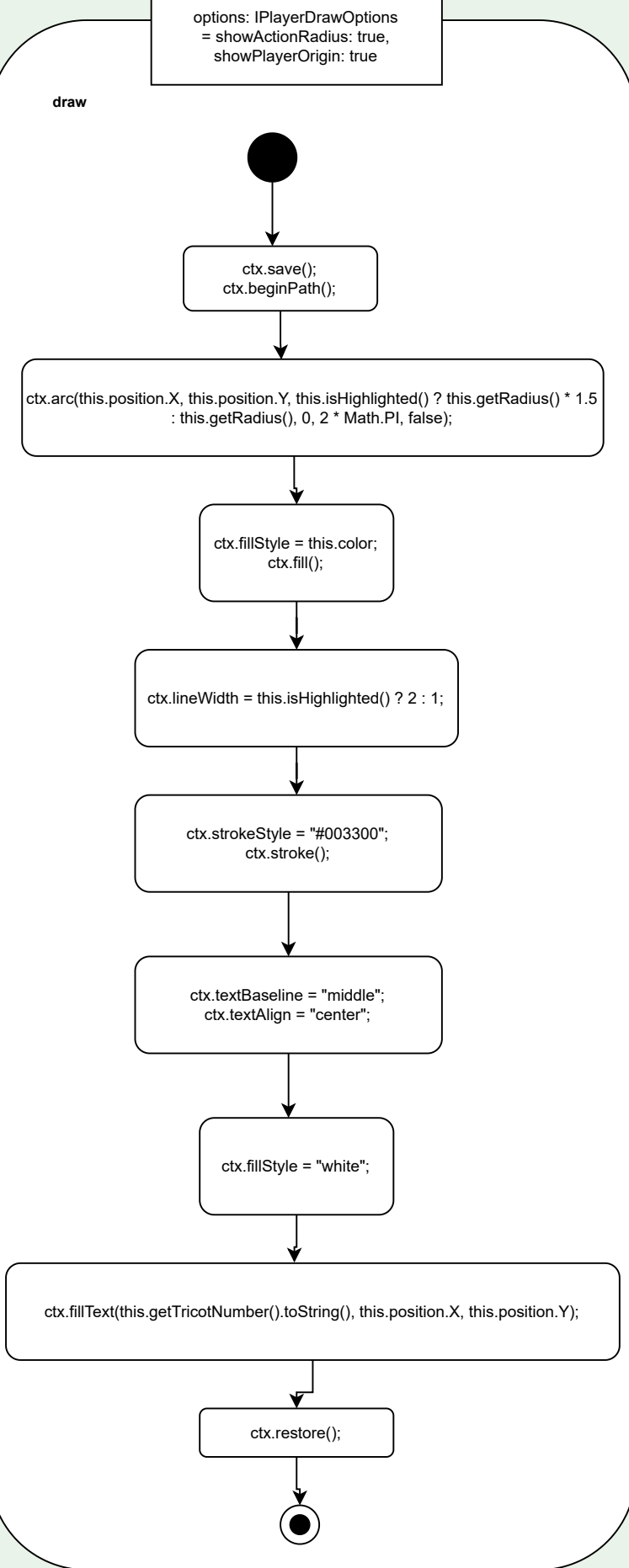


soccer-field

padding: number;  
width: number;  
height: number;  
goalWidth: number = 7.32 \* scale;

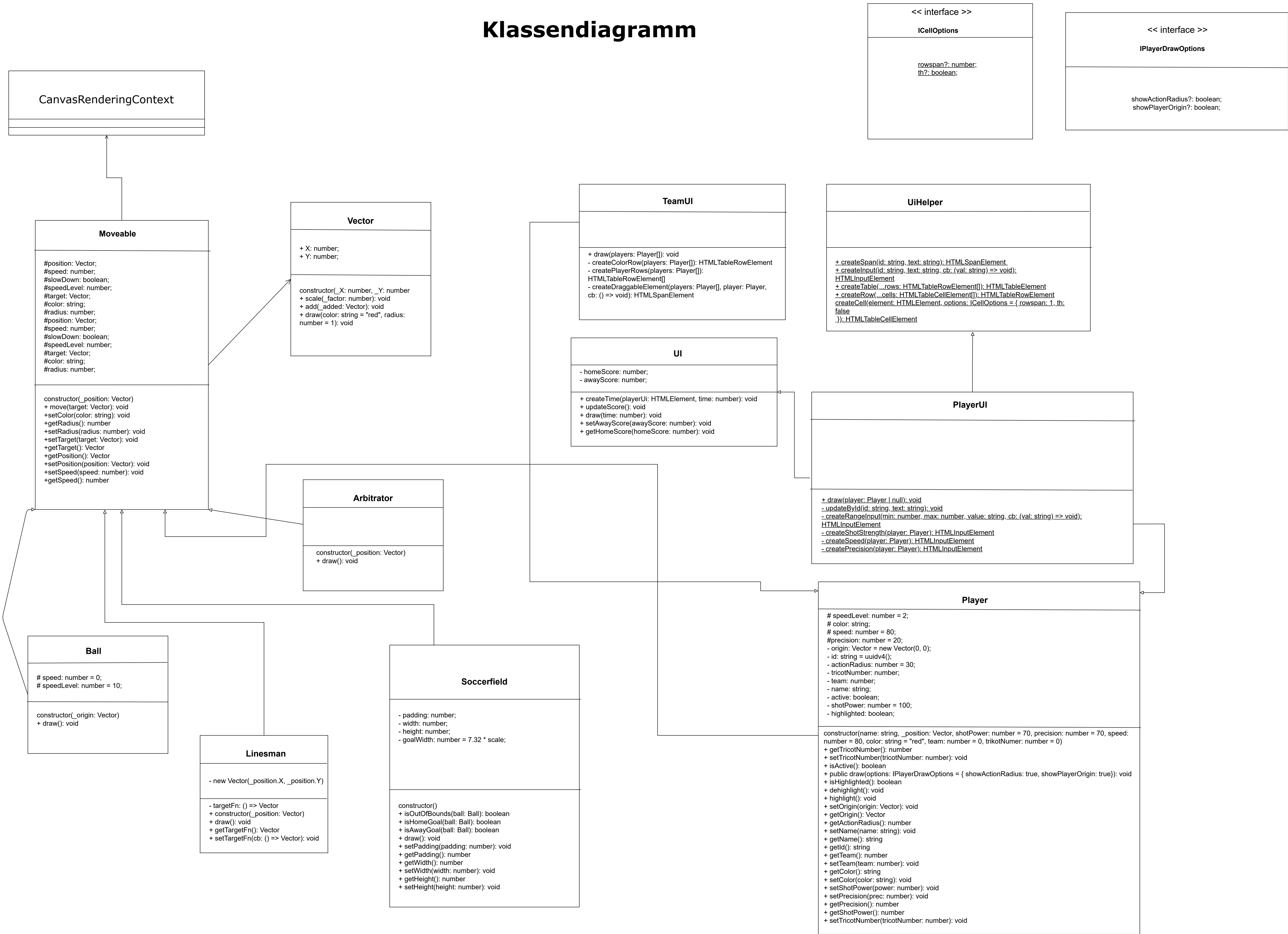


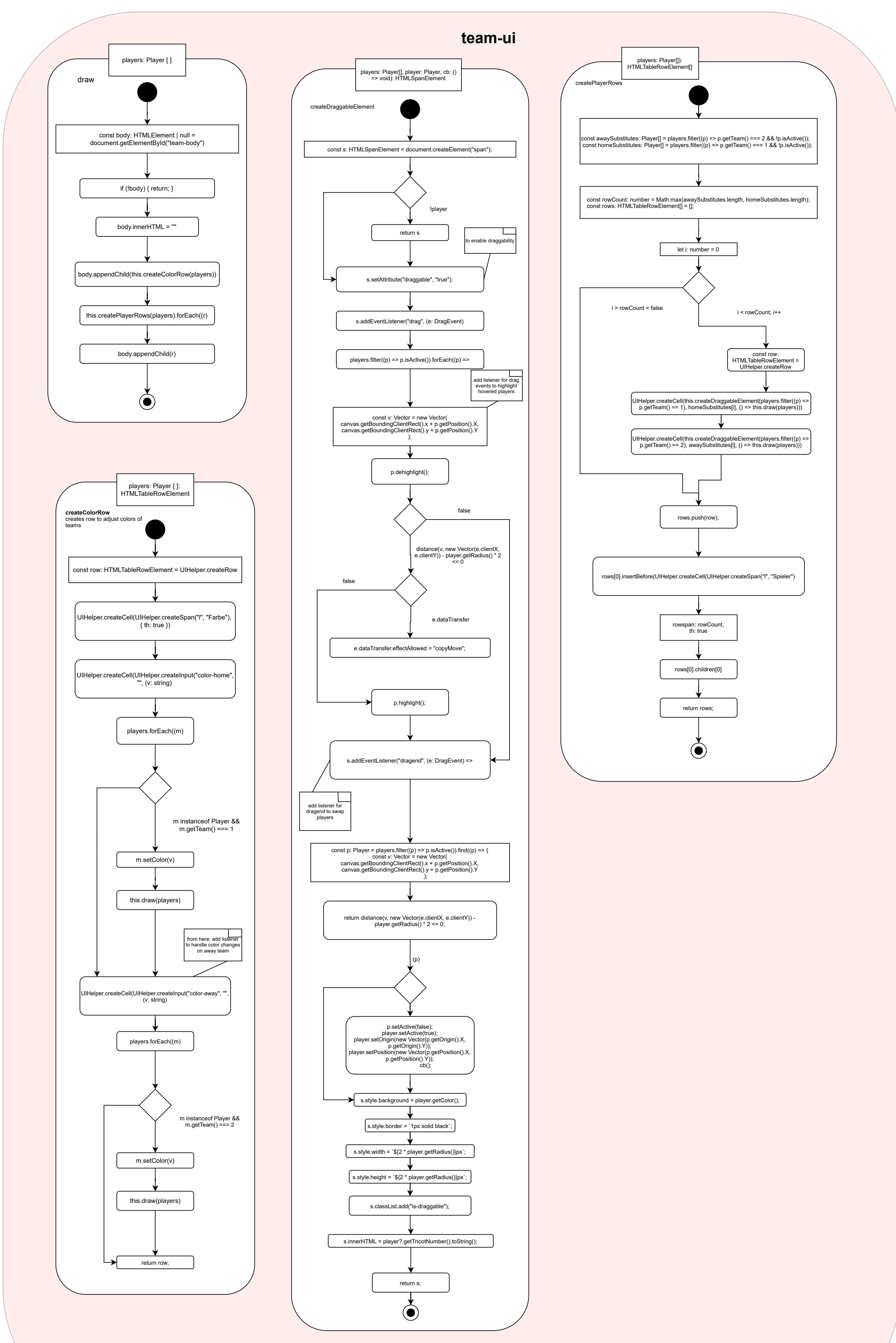
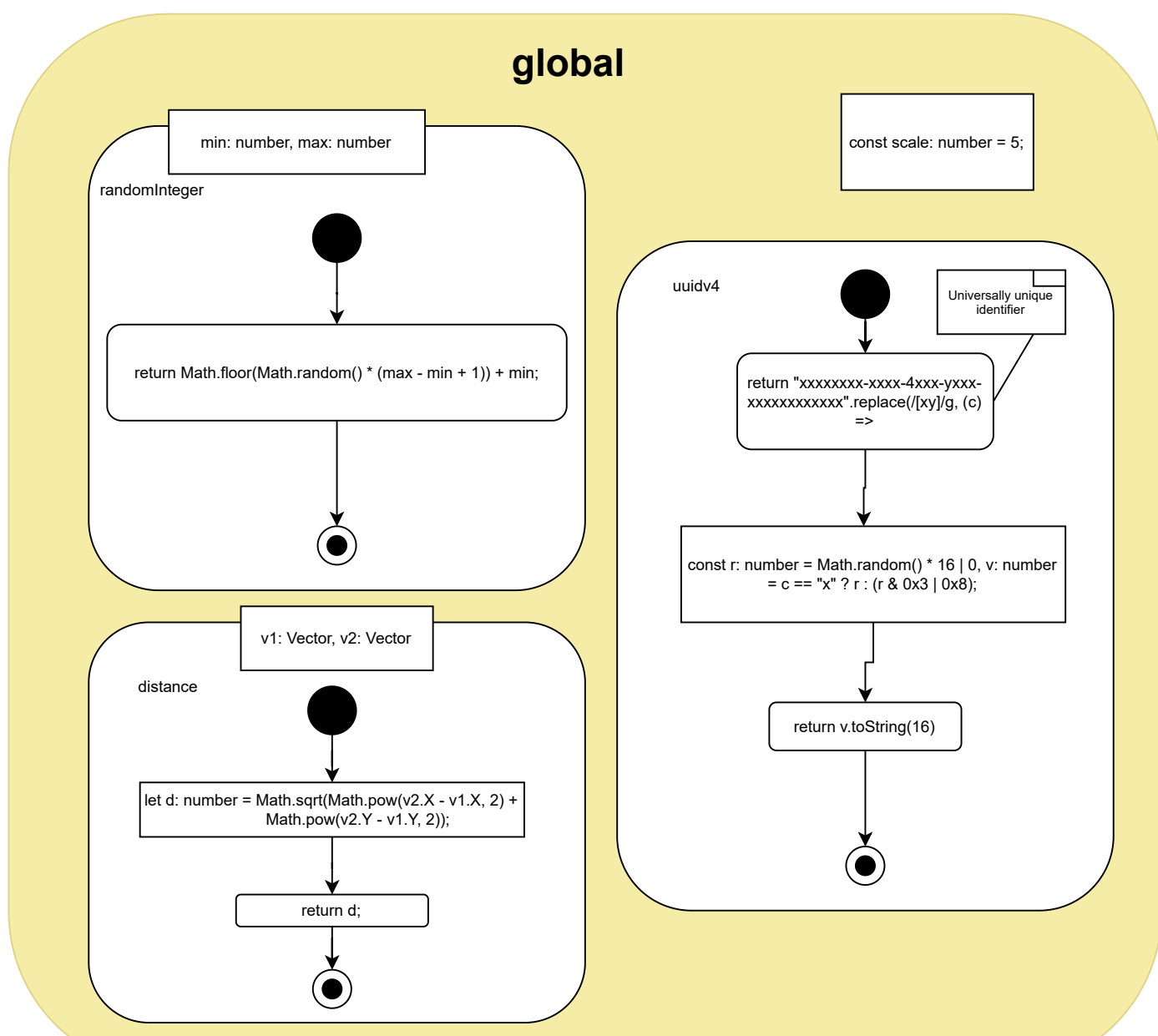
player



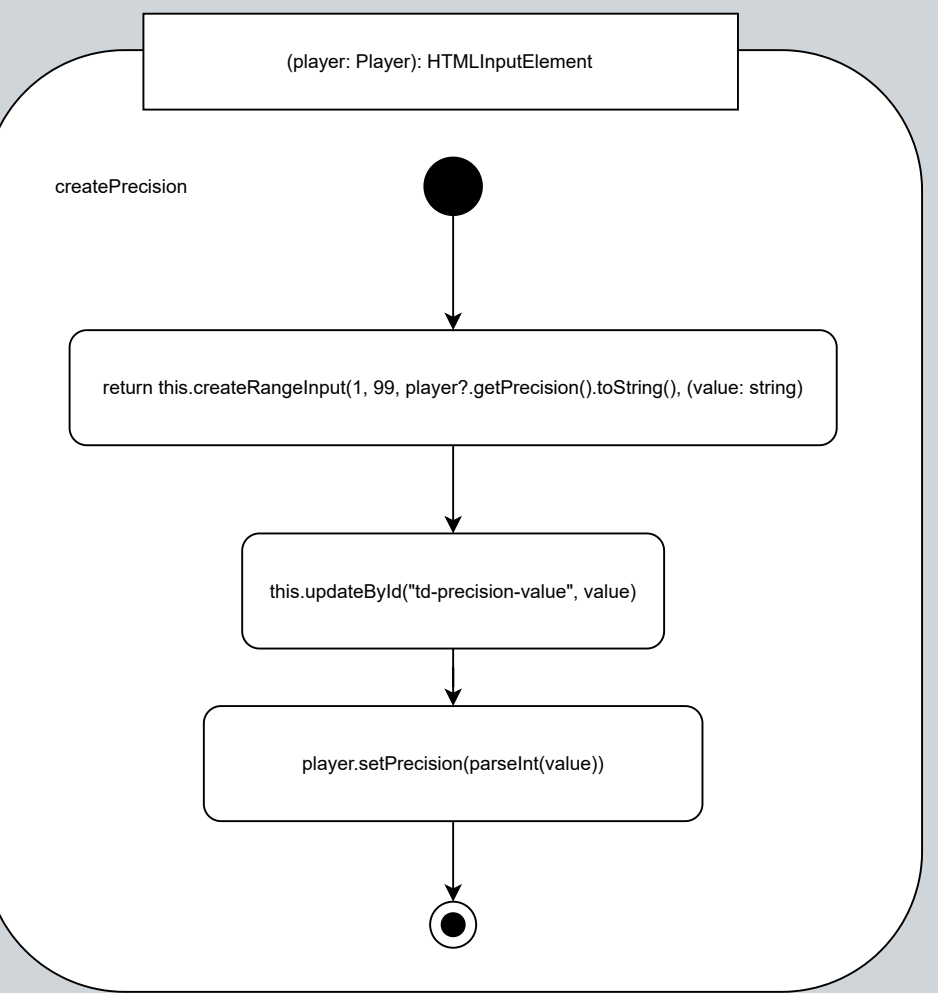
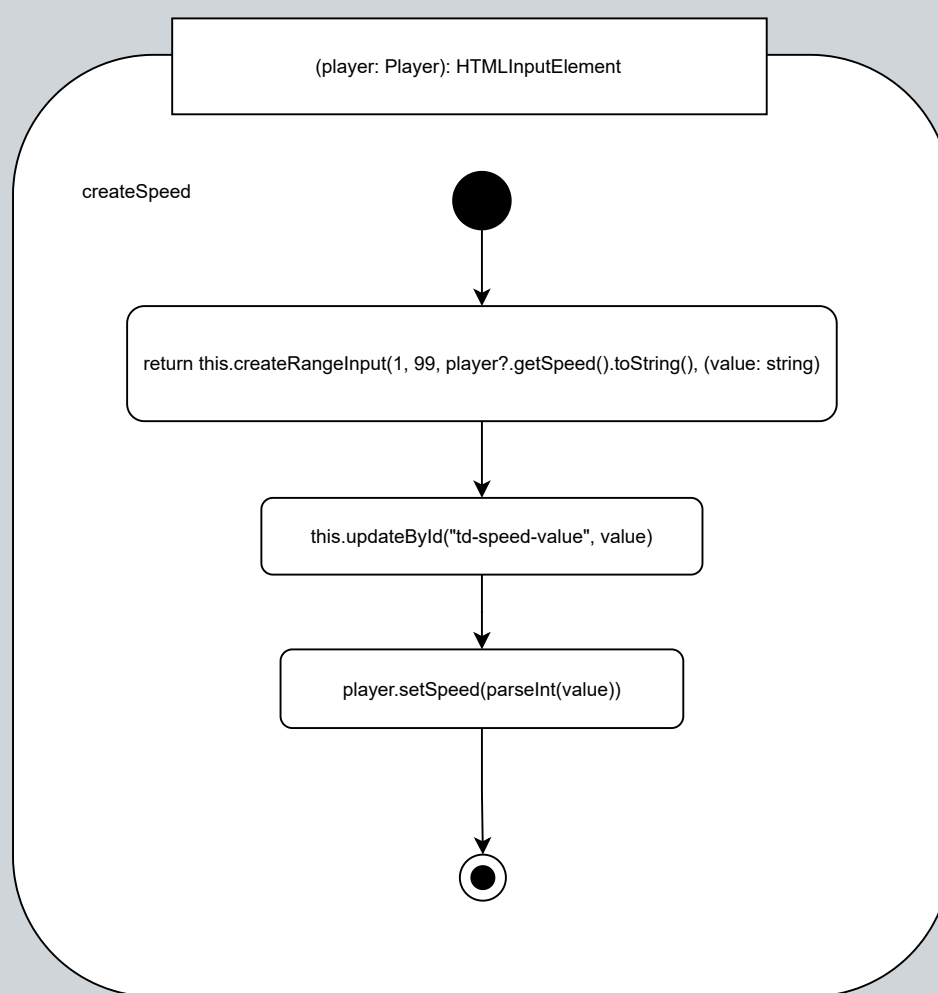
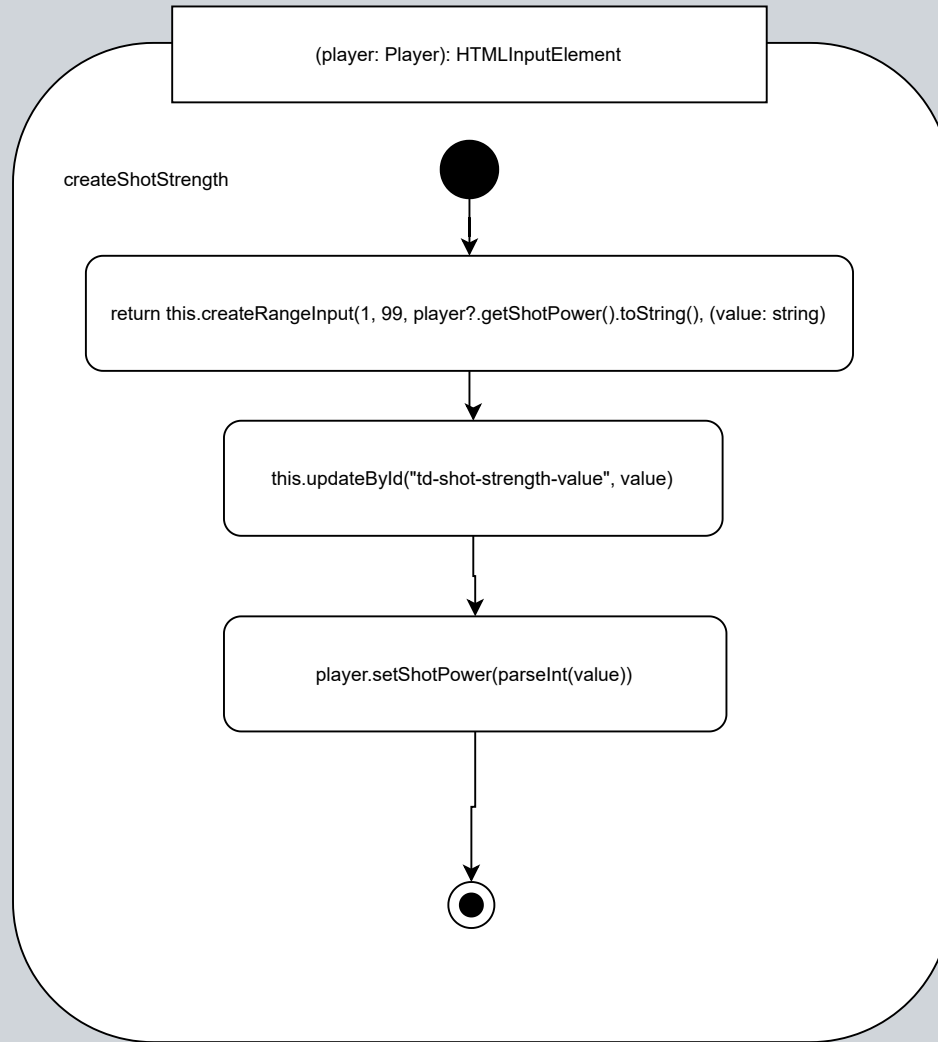
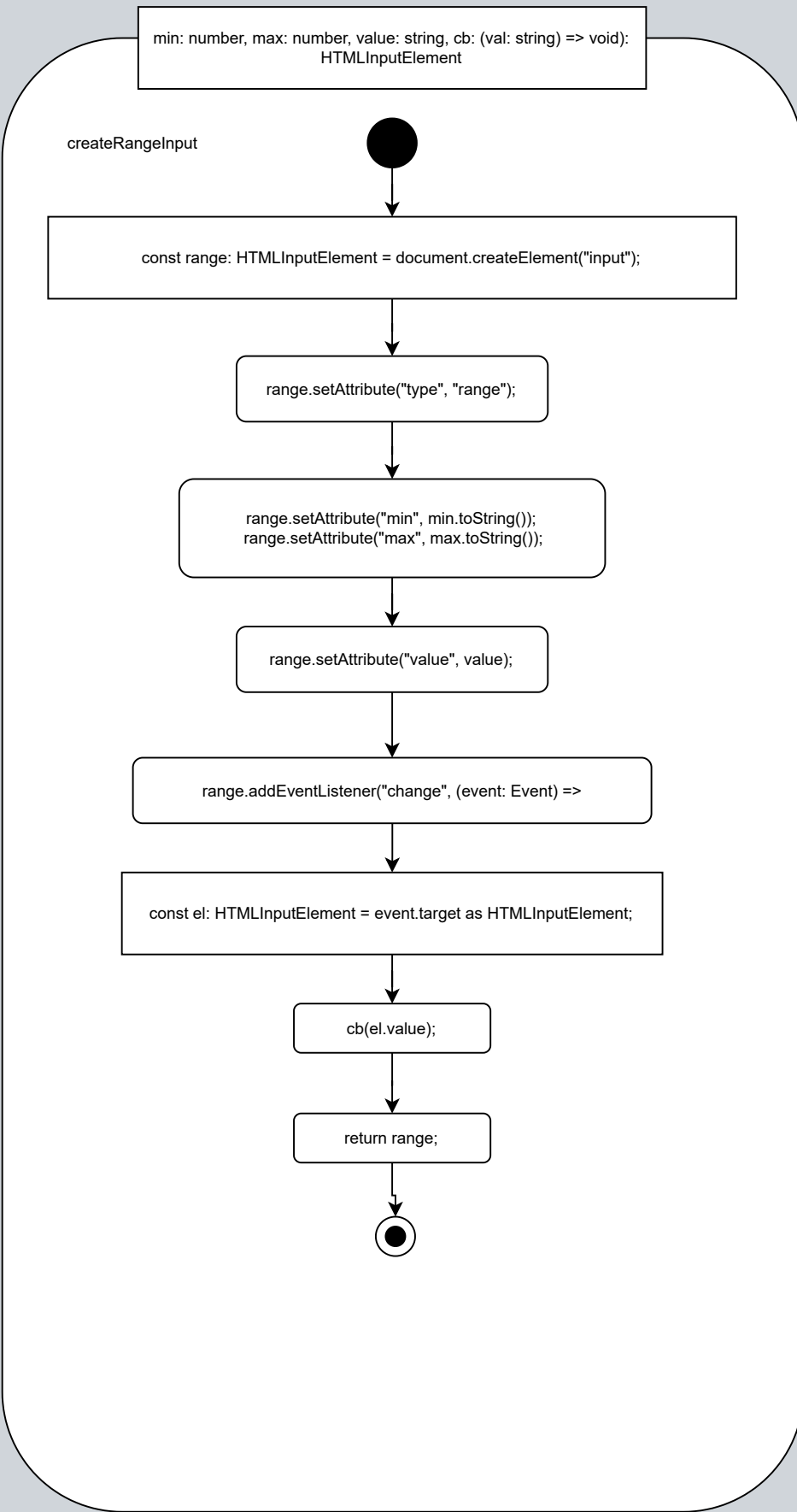
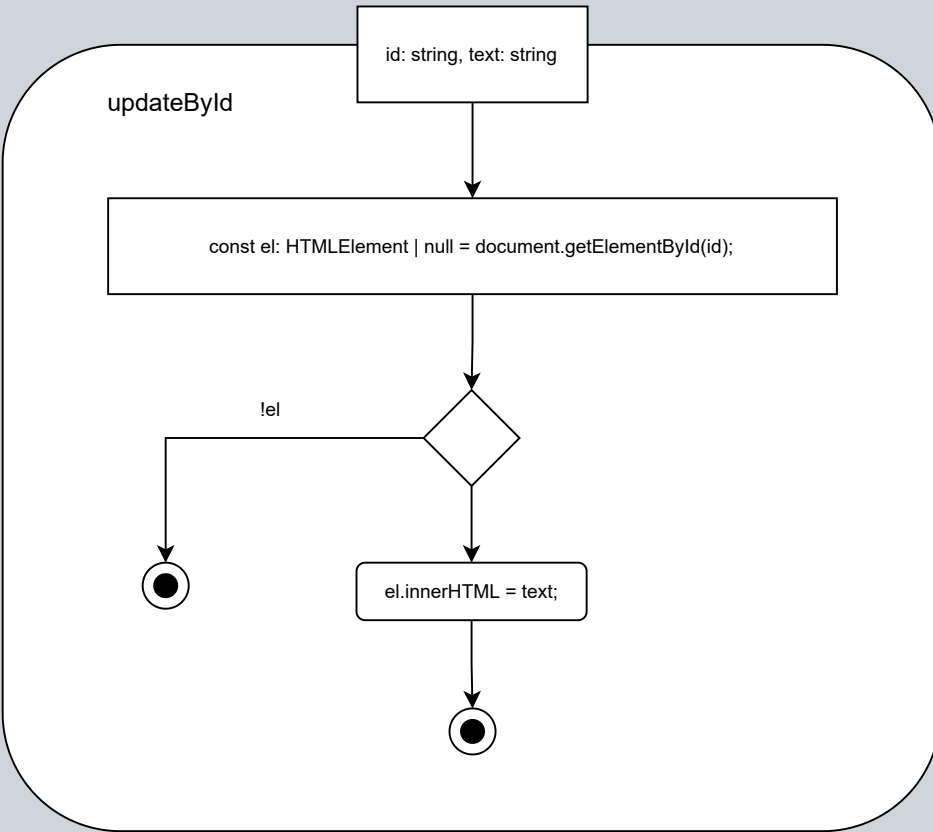
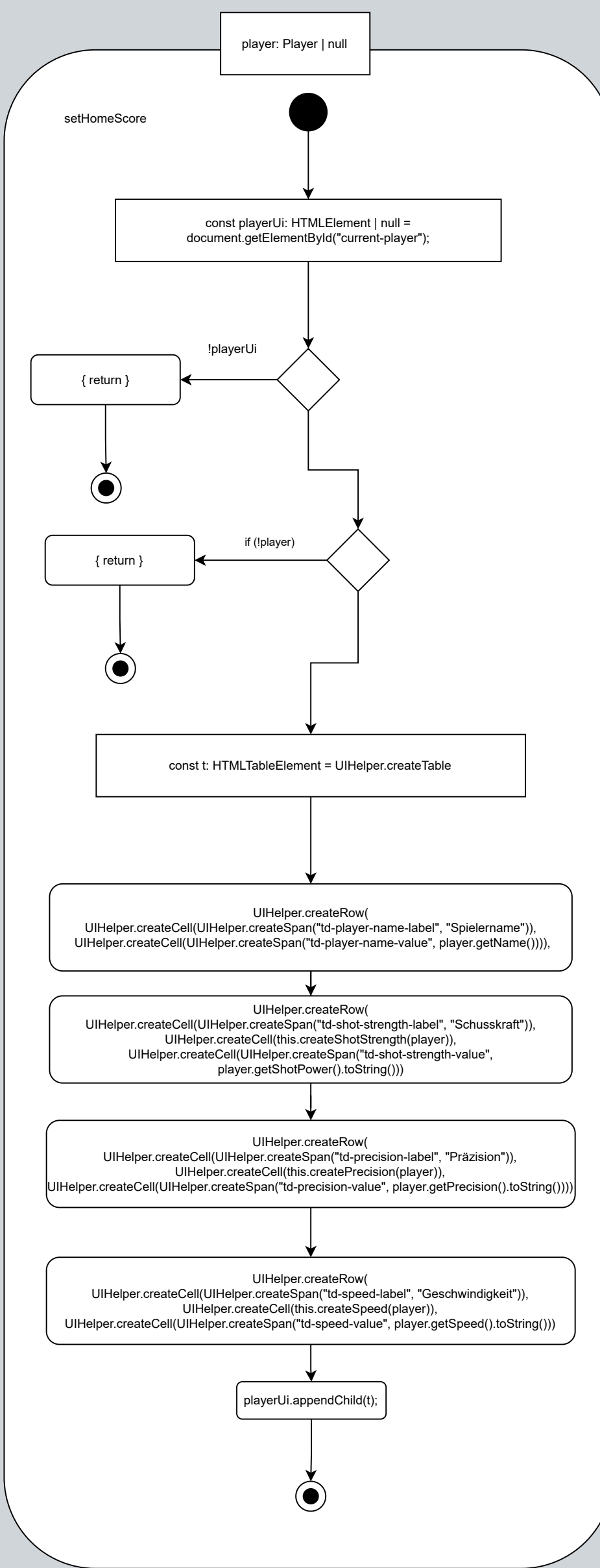


# Klassendiagramm





PlayerUI



vector

