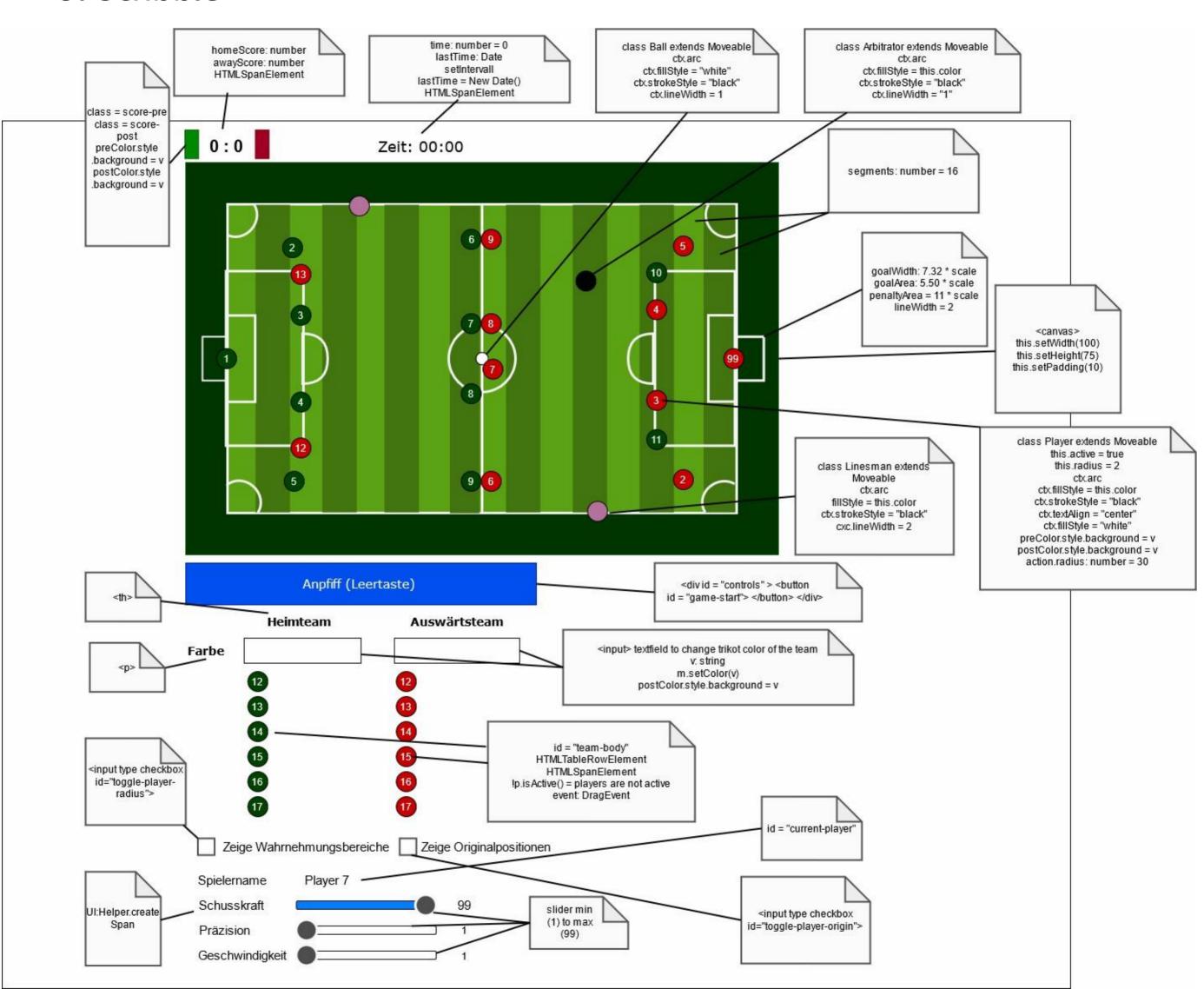
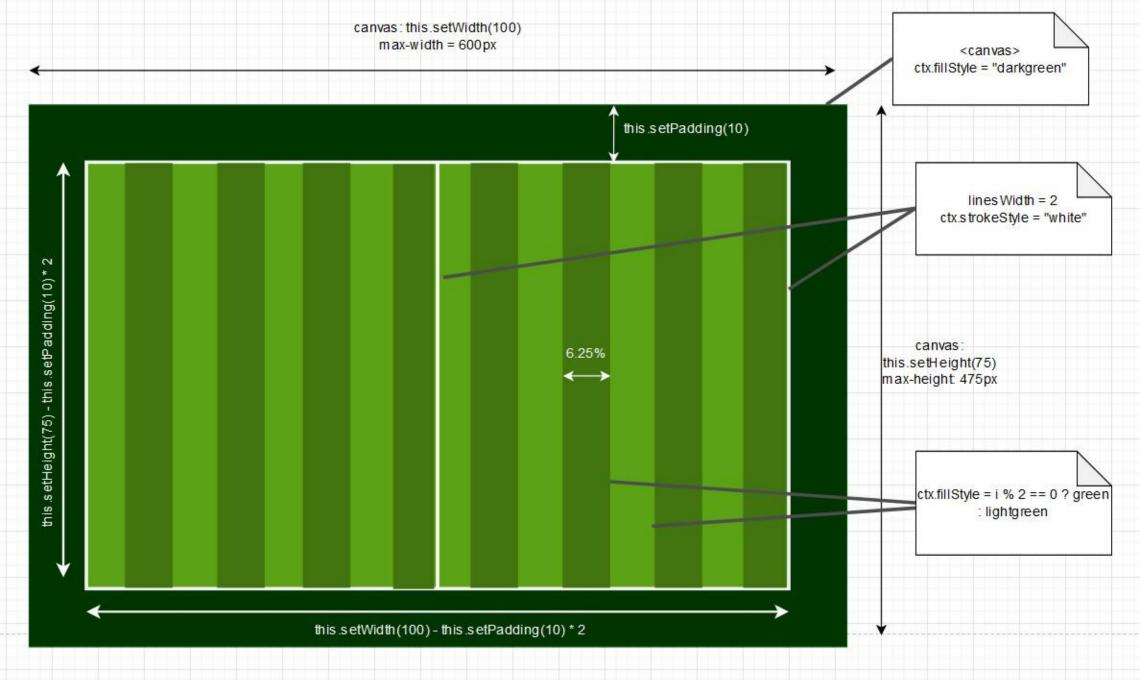
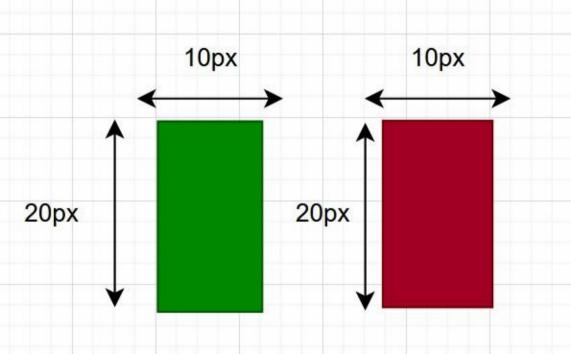
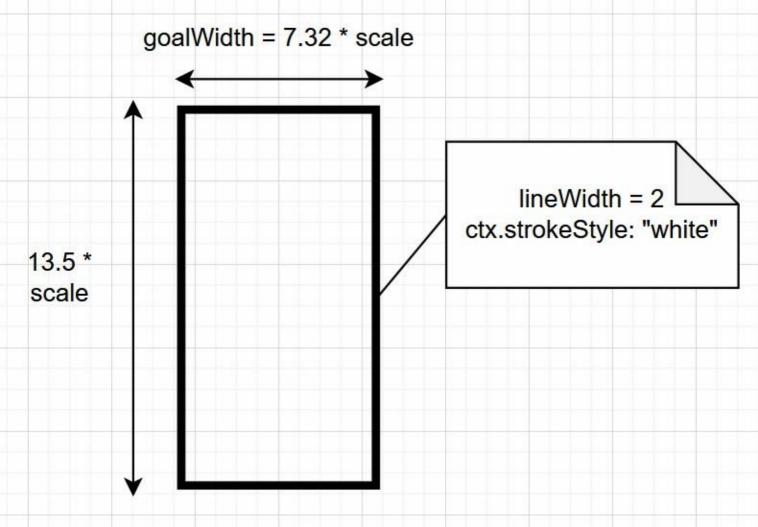
UI-Scribble

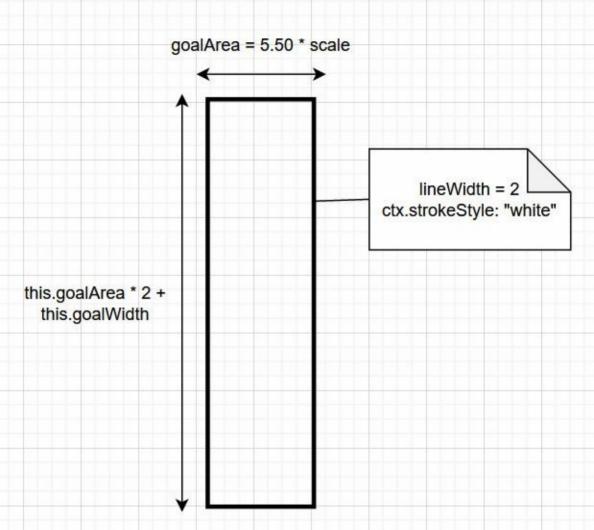


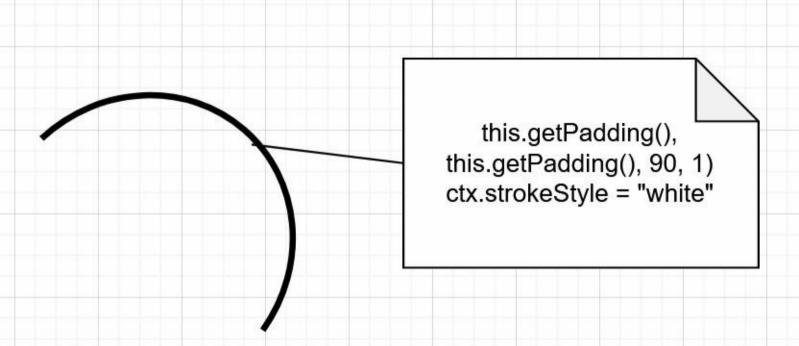


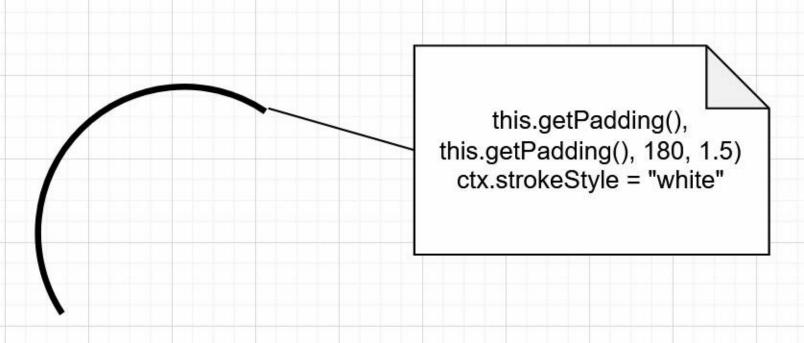


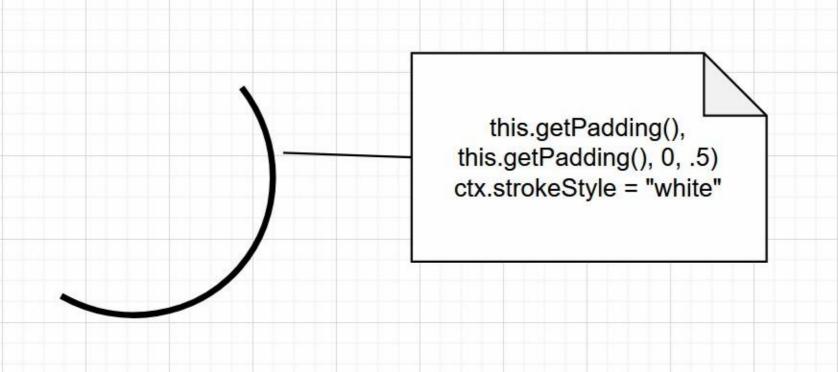


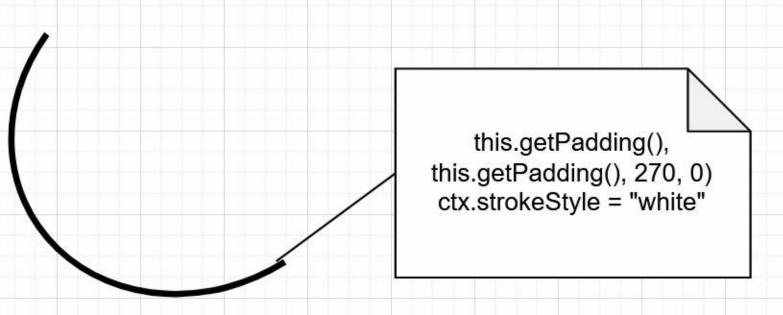


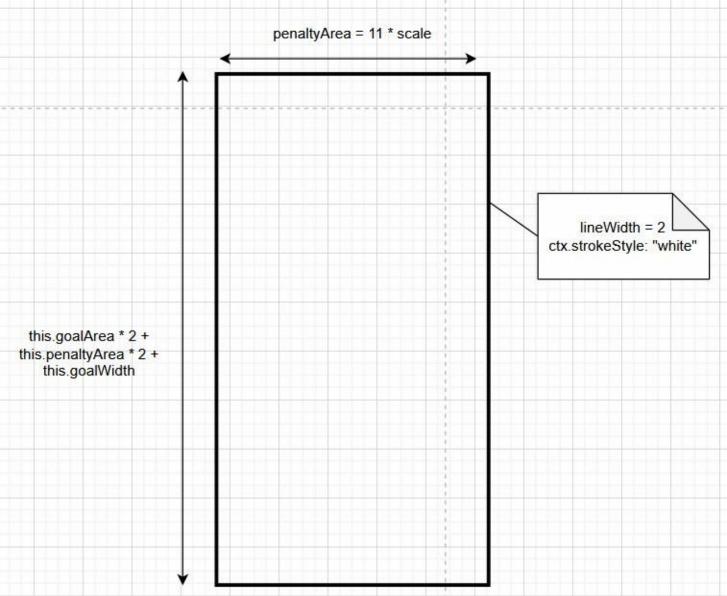


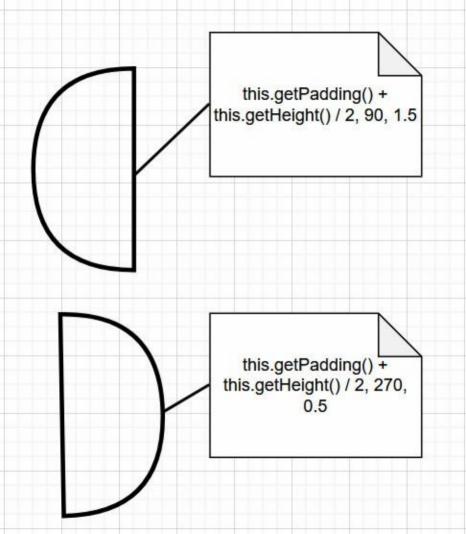


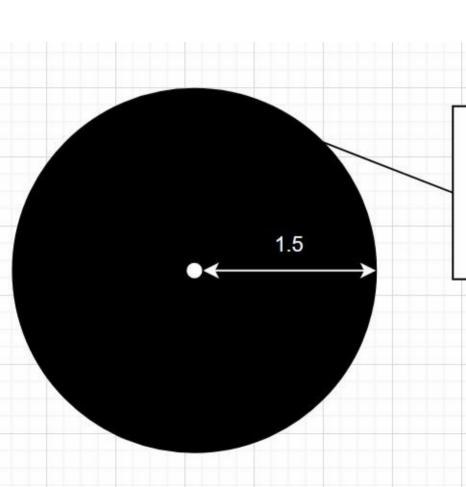


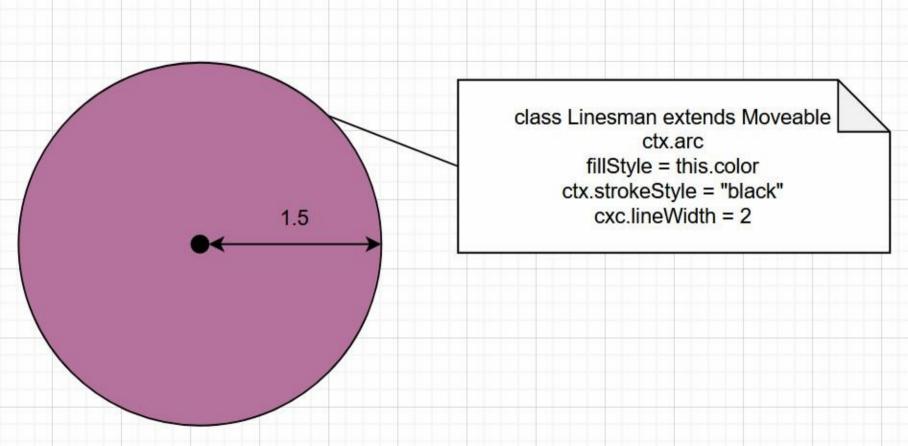


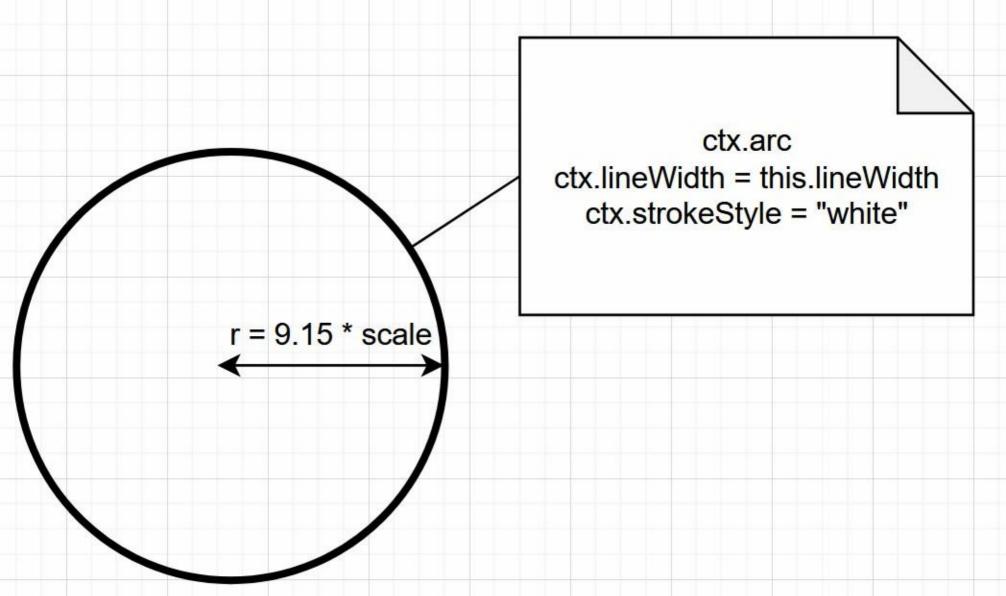


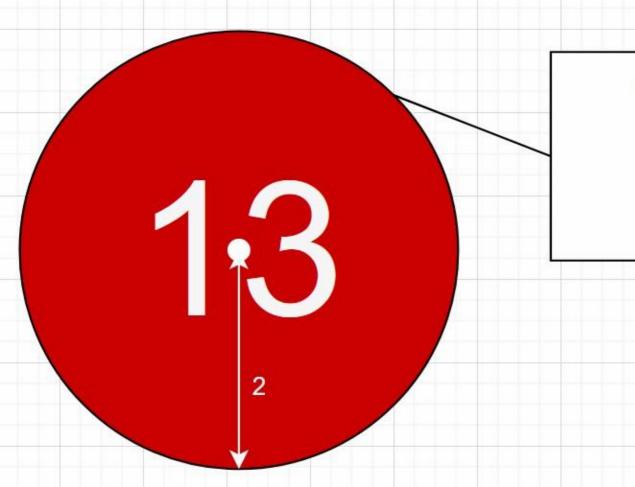






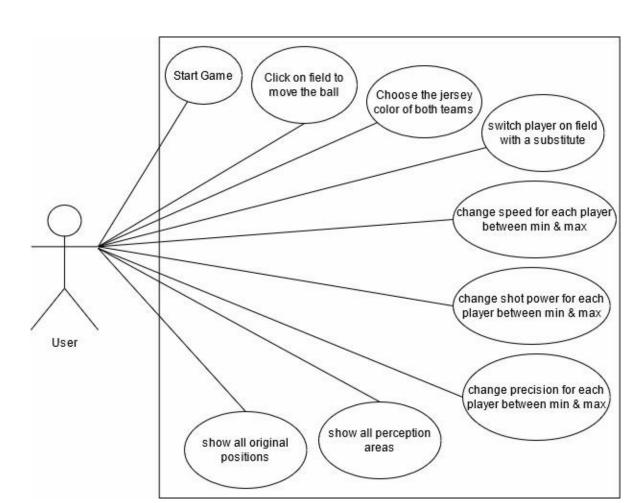


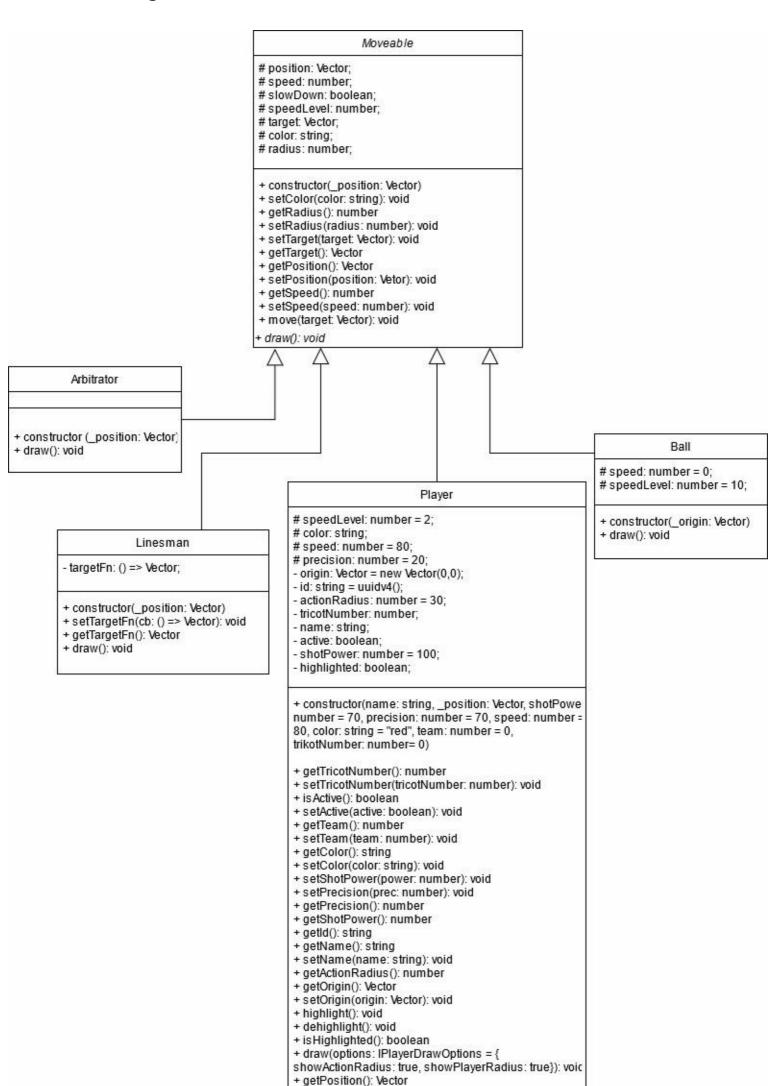




class Player extends Moveable
ctx.arc
ctx.fillStyle = this.color
ctx.strokeStyle = "black"
ctx.textAlign = "center"
ctx.fillStyle = "white"

Use-Case Diagram





Class Diagram: Rest

Vector

+ draw(color: string = "red", radius; number = 1): void

+ constructor(_X: number, _Y: number) + scale(_factor: number): void + add(_added: Vector): void

+ X: number + Y: number

SoccerField
- padding: number;
- width: number;
- height: number;
- goalWidth: number = 7.32 * scale;
- goalArea: number = 5.50 * scale;
- penaltyArea: number = 11 * scale; - lineWidth: number = 2;
- Intervidui. Humber – 2,
+ constructor()
+ is OutOfBounds (ball: Ball): boolean
+ isHomeGoal(ball: Ball): boolean
+ is AwayGoal(ball: Ball): boolean
+ drawCorner(x: number, y: number, start: number,
arc: number): void
+ draw(): void
+ setPadding(padding: number): void + getPadding(): number
+ getWidth(): number
+ setWidth(width: number): void
+ getHeight(): number
+ setHeight(height: number): void
5.00 f
UI
- homeScore: number; - awayScore: number;
-awayocore, number,
+ getHomeScore(): number
+ setHomeScore(homeScore: number): void
+ getAwayScore(): number
+ setAwayScore(awayScore: number): void
+ draw(time: number): void
+ updateScore(): void
+ createTime(playerUi: HTMLElement, time: number): void

PlayerUI	
+ draw(player: Player null): void - createRangeInput(min: number, max: nucb: (val: string) => void): HTMLInputElemer - createShotStrength(player: Player): HTMLInputE - createSpeed(player: Player): HTMLInputE - createPrecision(player: Player): HTMLInp	<u>nt</u> InputElement Iement

UlHelper

+ updateByld(id: string, text: string): void
+ createSpan(id: string, text: string): HTMLSpanElement
+ createInput(id: string, text: string, cb: (val: string) => void):
HTMLInputElement
+ createTable(rows: HTMLTableRowElement[]):
HTMLTableElement
+ createRow(cells: HTMLTableCellElement(]):
HTMLTableRowElement
+ createCell(element: HTMLElement, options: ICellOptions = {
rowspan = 1, th: false}): HTMLTableCellElement

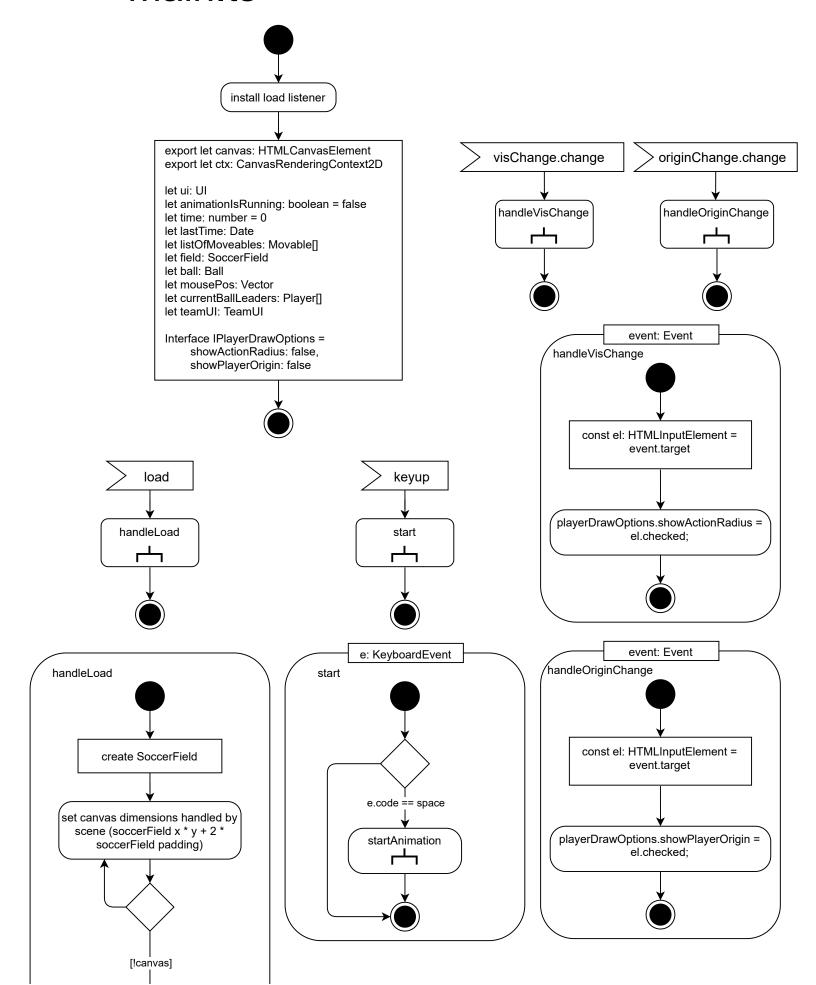
TeamUI

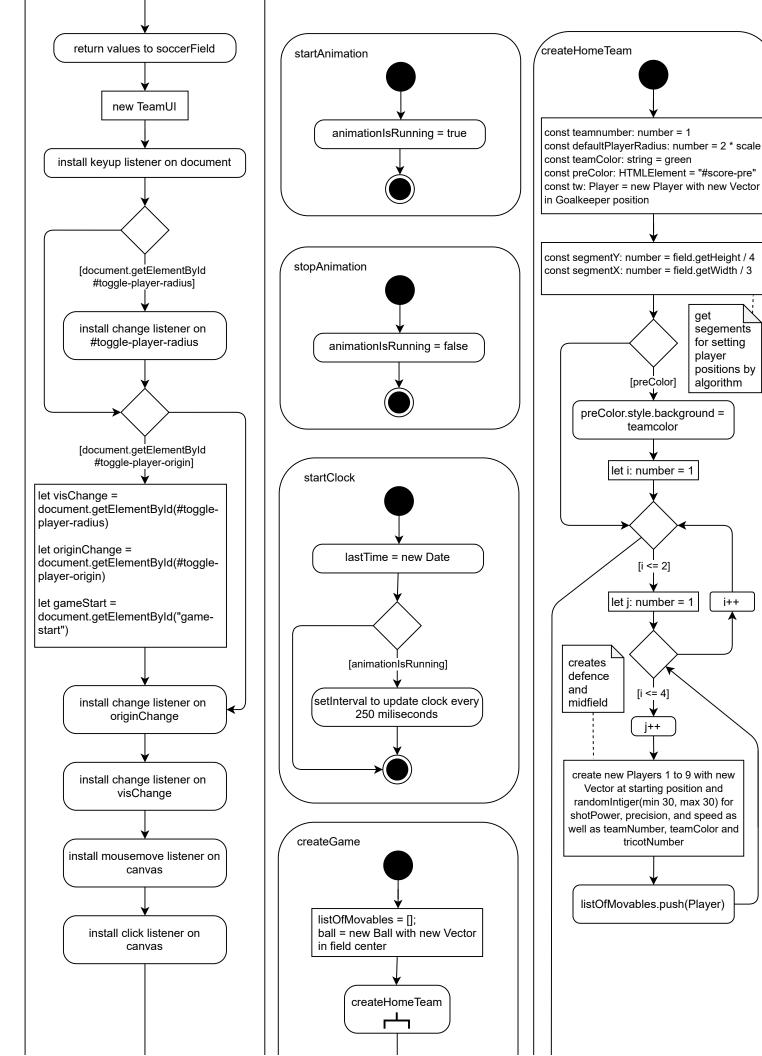
- createColorRow(players: Player[]): HTMLTableRowElement
 - createPlayerRows(players: Player []): HTMLTableRowElement
 - createDraggableElement(players: Player [], player: Player,

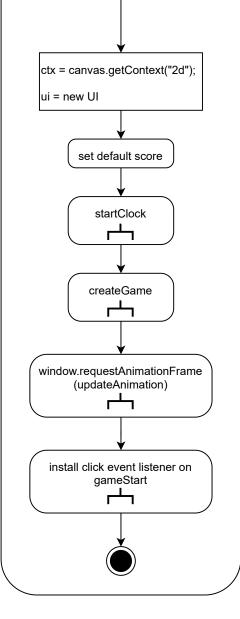
cb: () => void): HTMLSpanElement

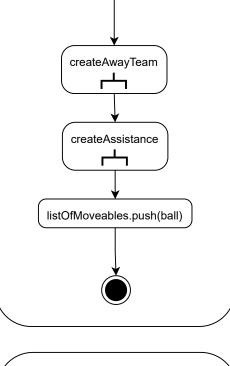
+ draw(players: Player[]): void

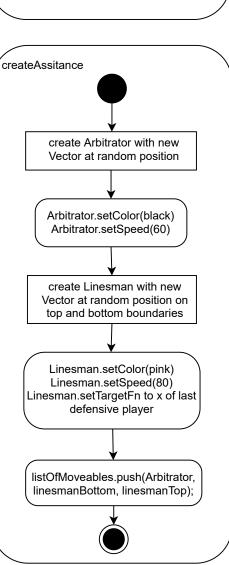
main.ts











create offensive players 10 and 11 with new
Vector at starting position and
randomIntiger(min 30, max 30) for shotPower,
precision, and speed as well as teamNumber,
teamColor and tricotNumber

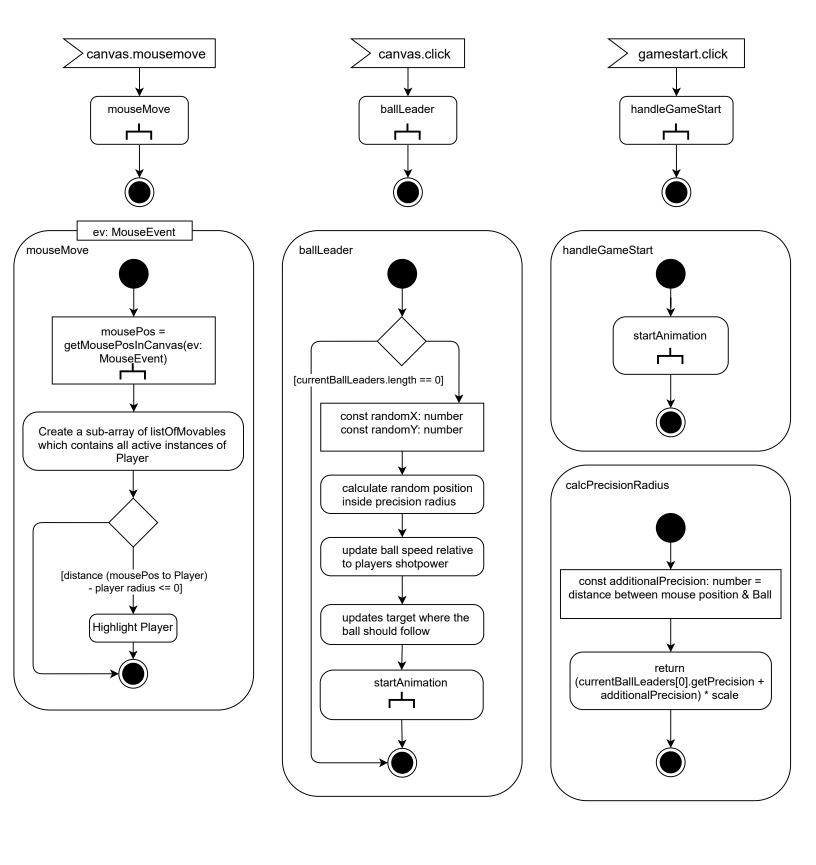
listOfMovables.push(tw, p10,
p11)

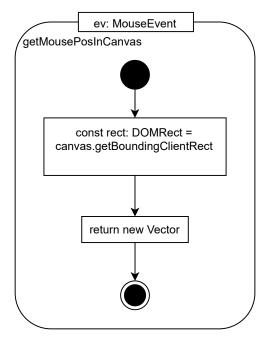
creates
offense

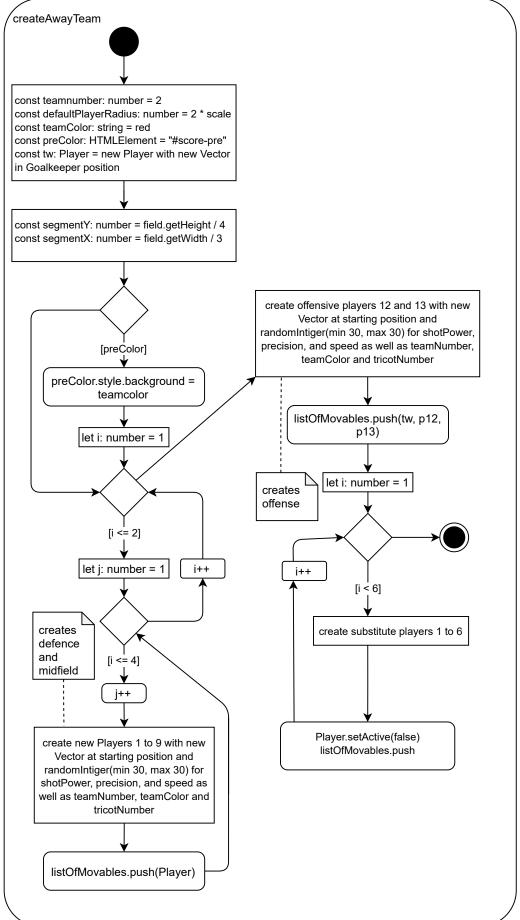
let i: number = 1

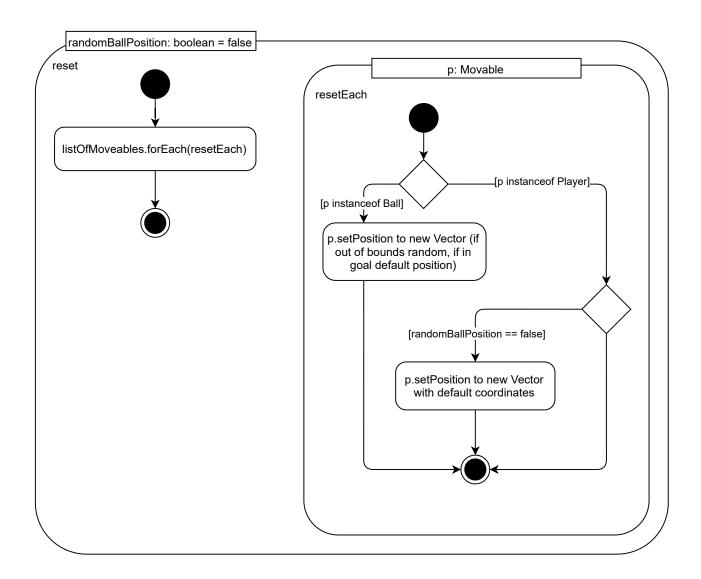
creates substitute players 1 to 6

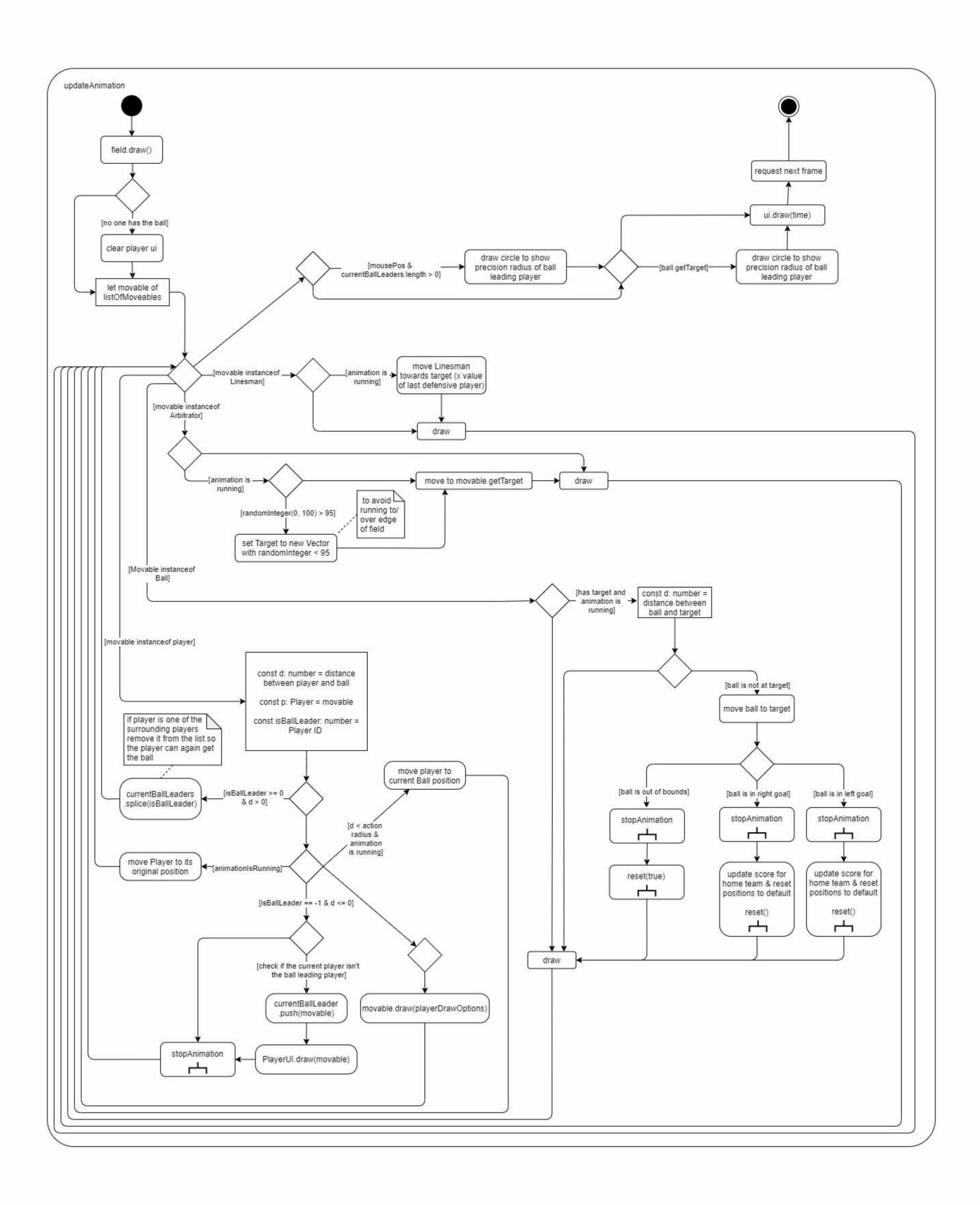
Player.setActive(false)
listOfMovables.push





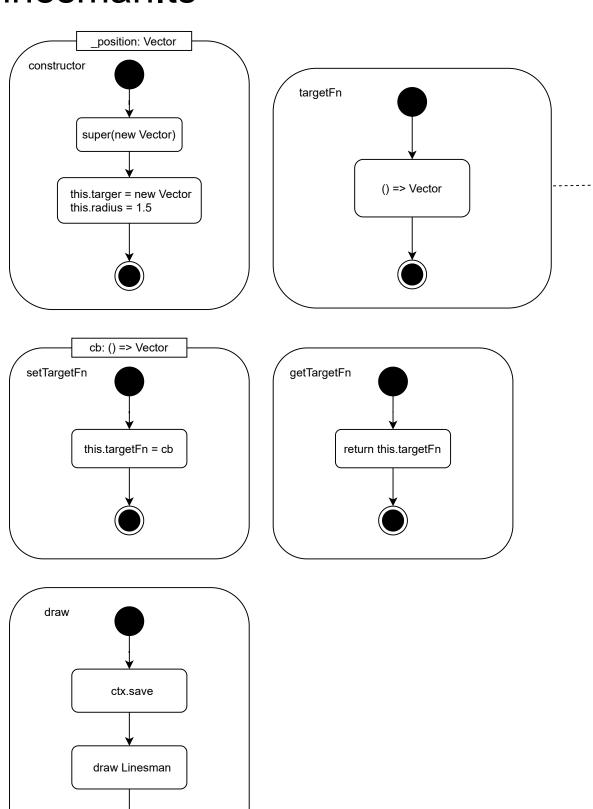






linesman.ts

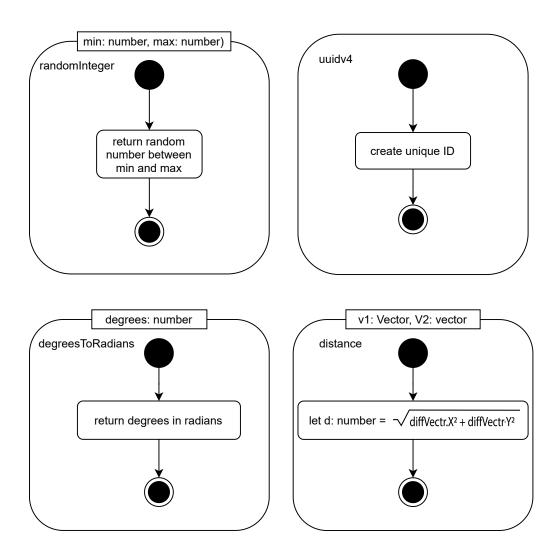
ctx.restore



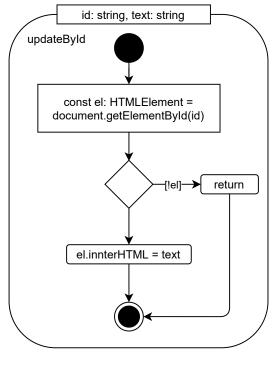
Empty function that takes the

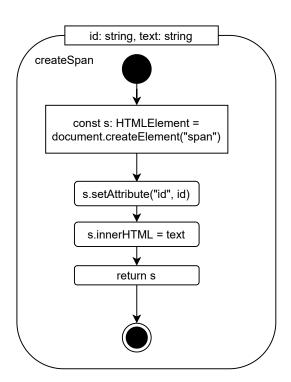
callback function from setTargetFn

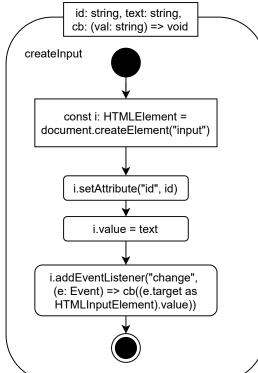
global.ts

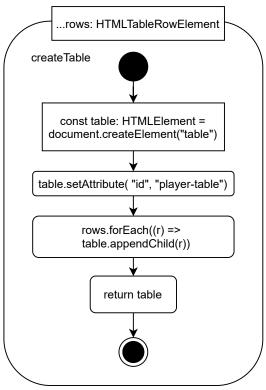


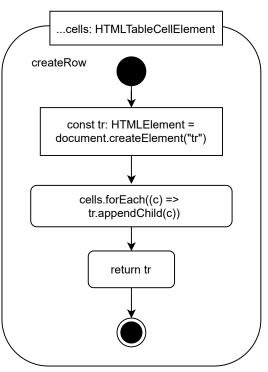
UIHelper.ts

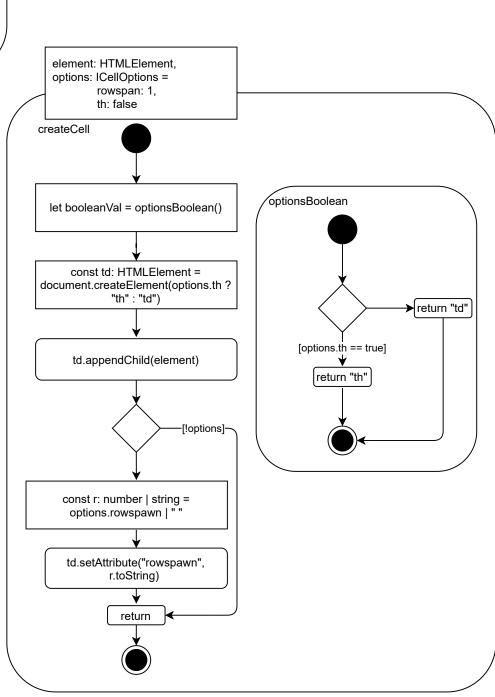


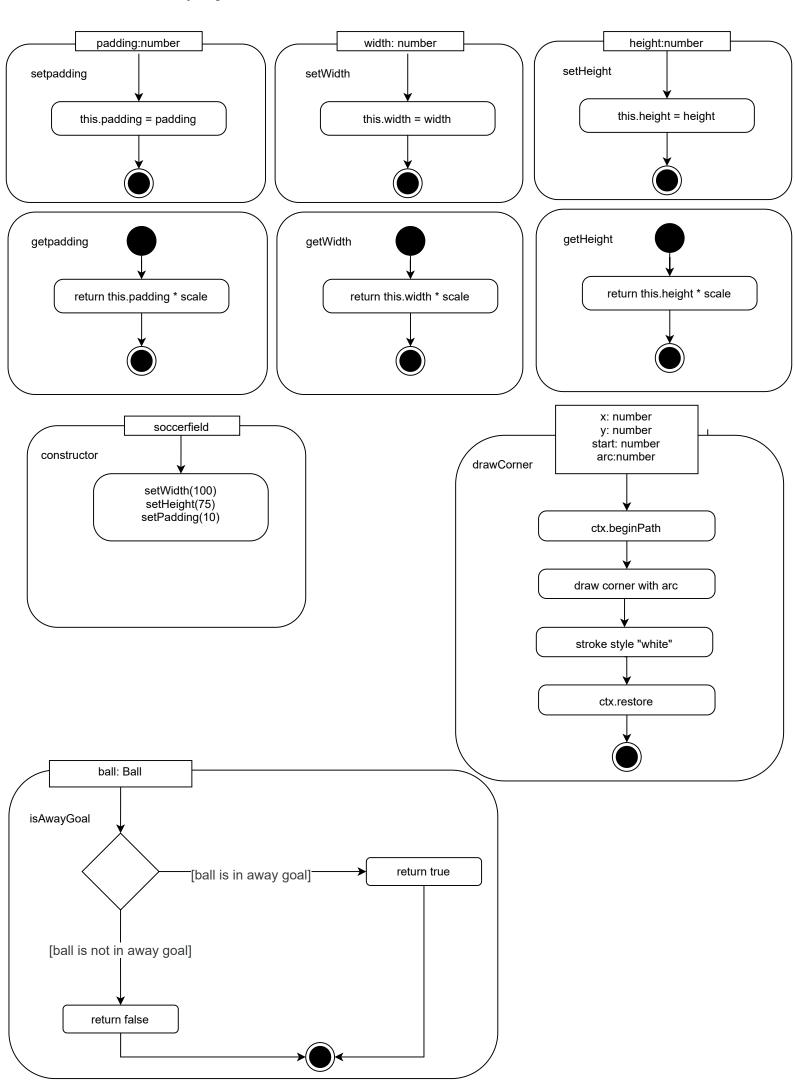


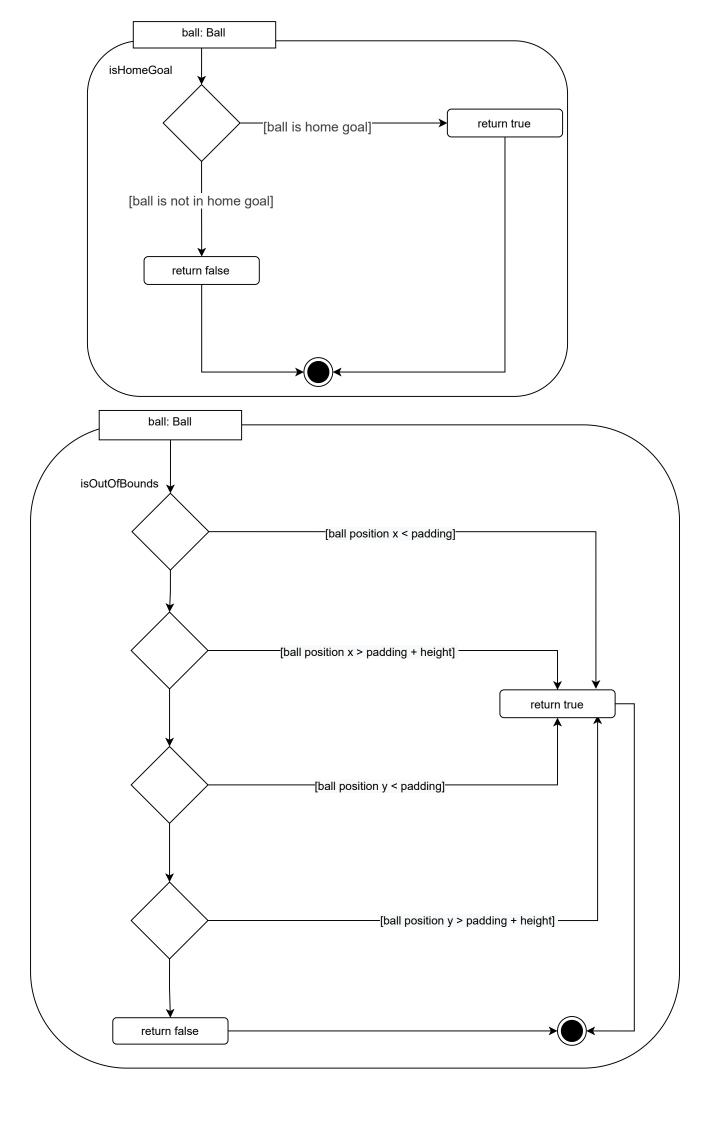


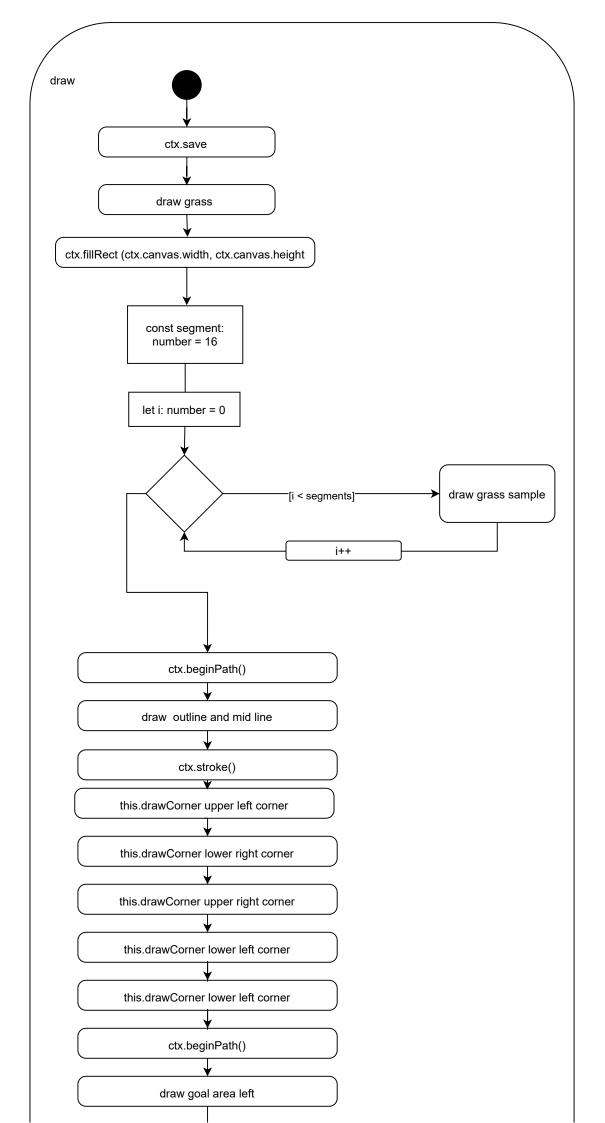


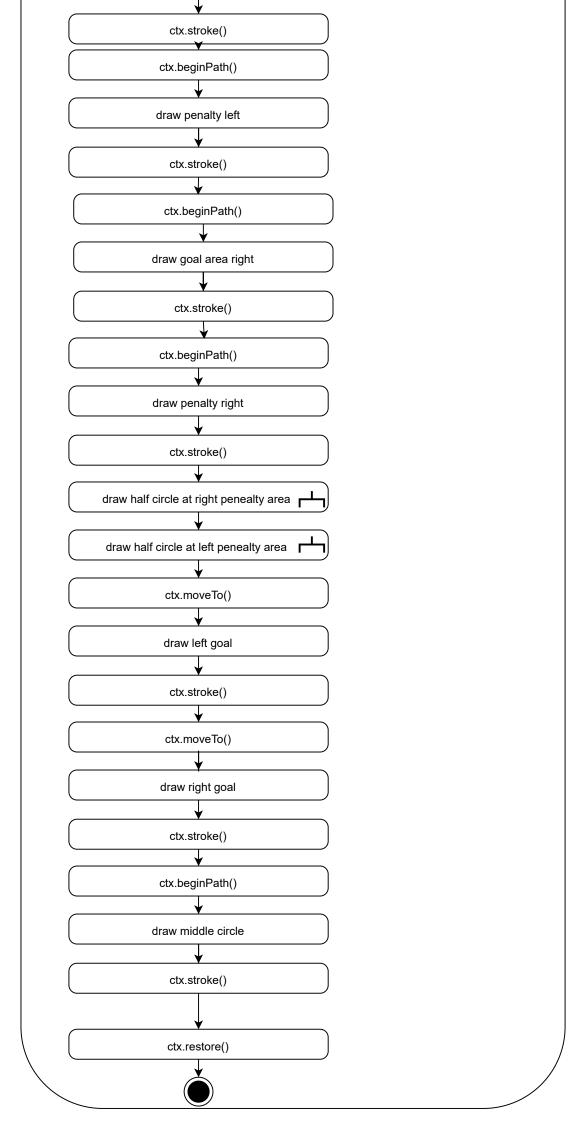




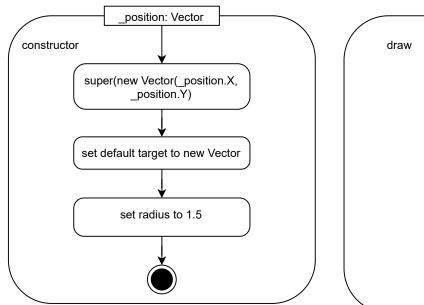


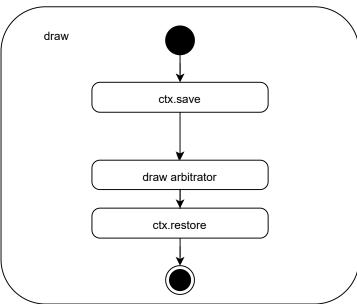




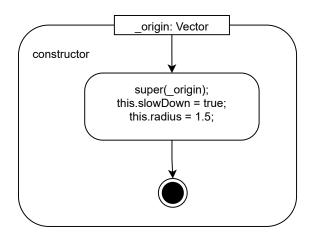


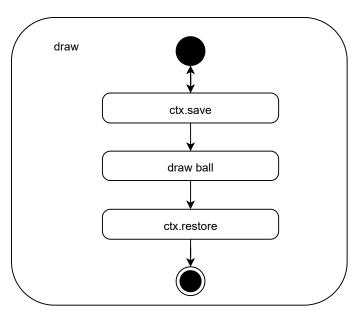
arbitrator.ts Activity Diagram



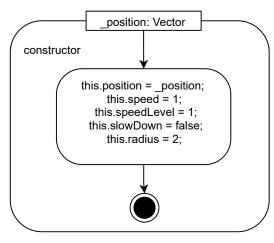


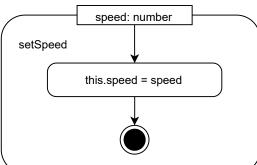
ball.ts Activity Diagram

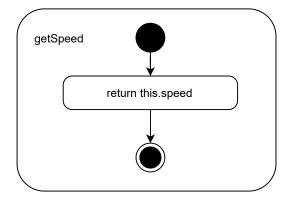


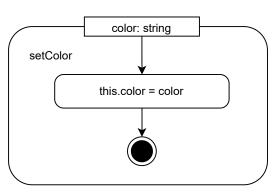


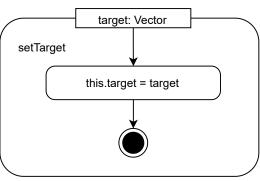
moveable.ts Activity Diagram

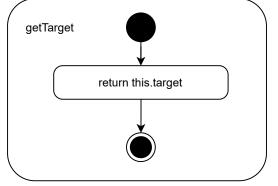


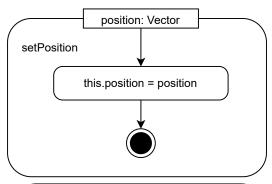


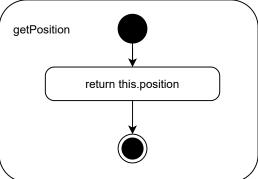


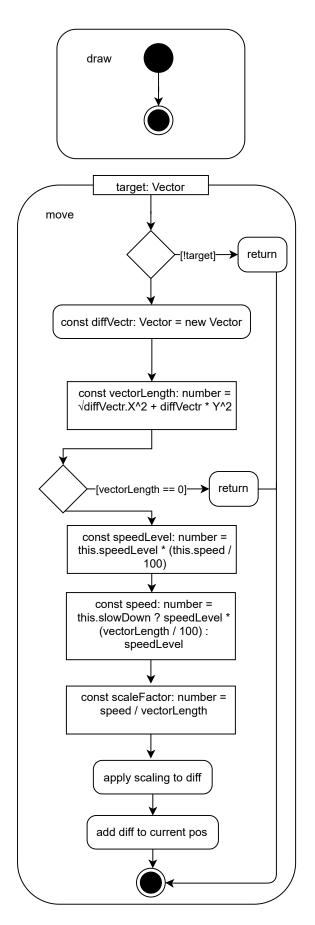


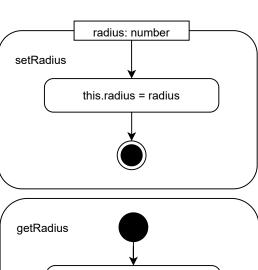


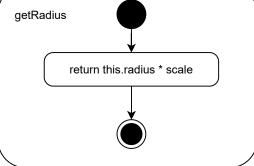


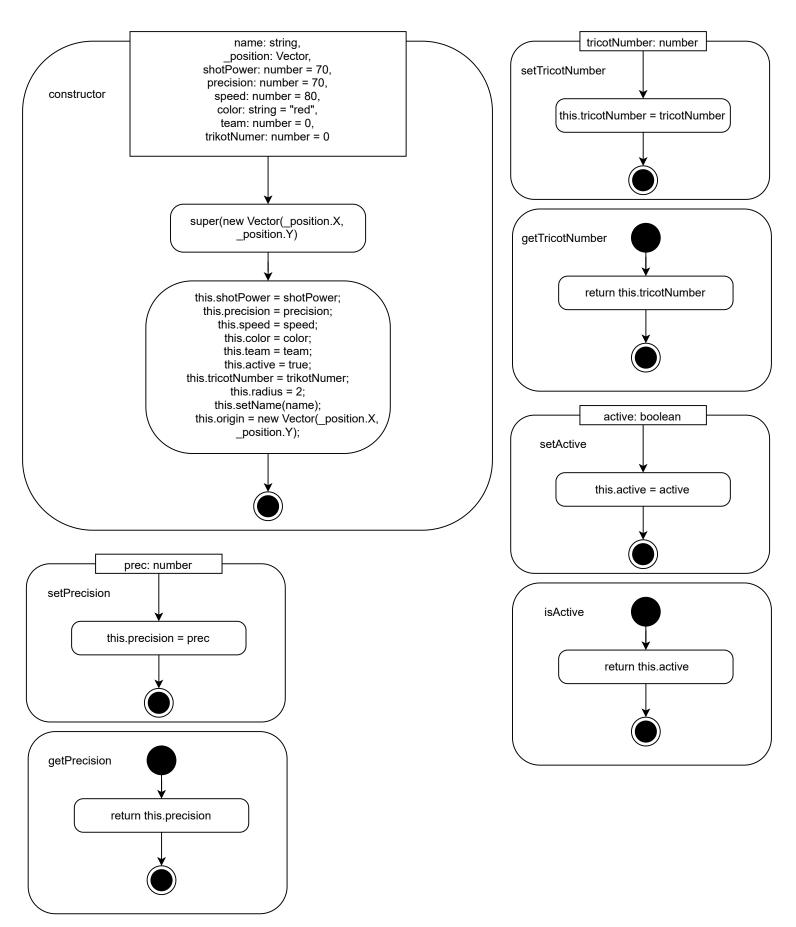


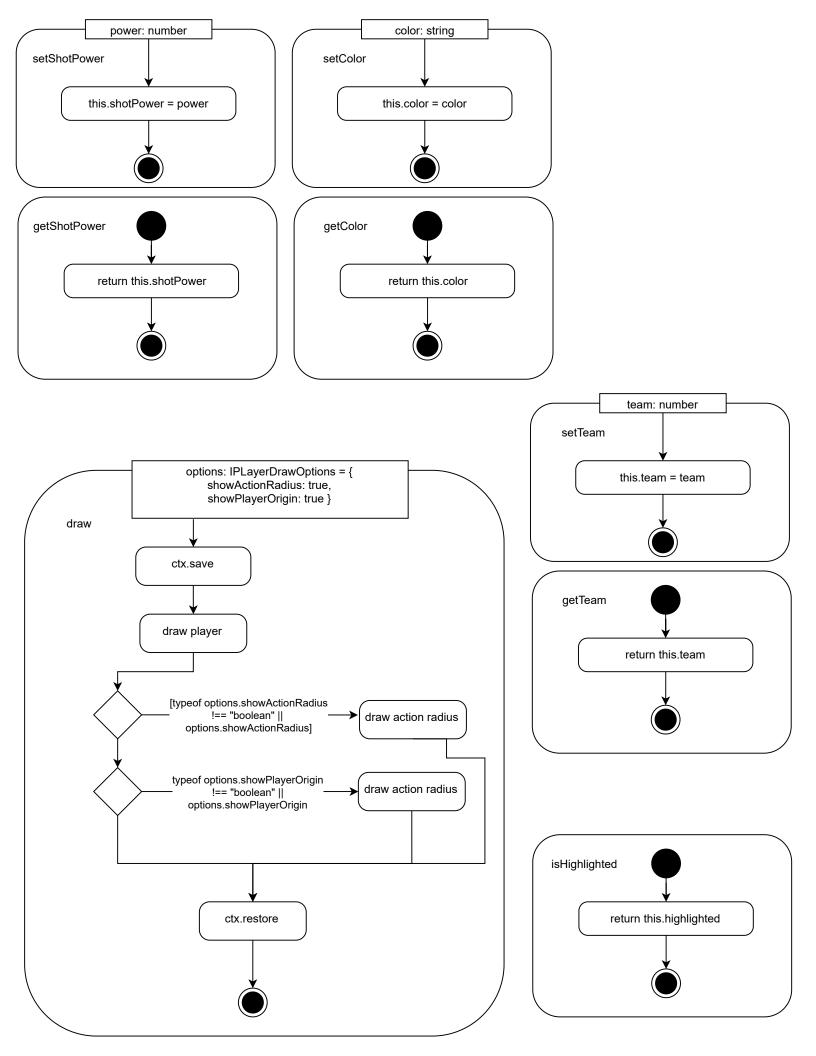


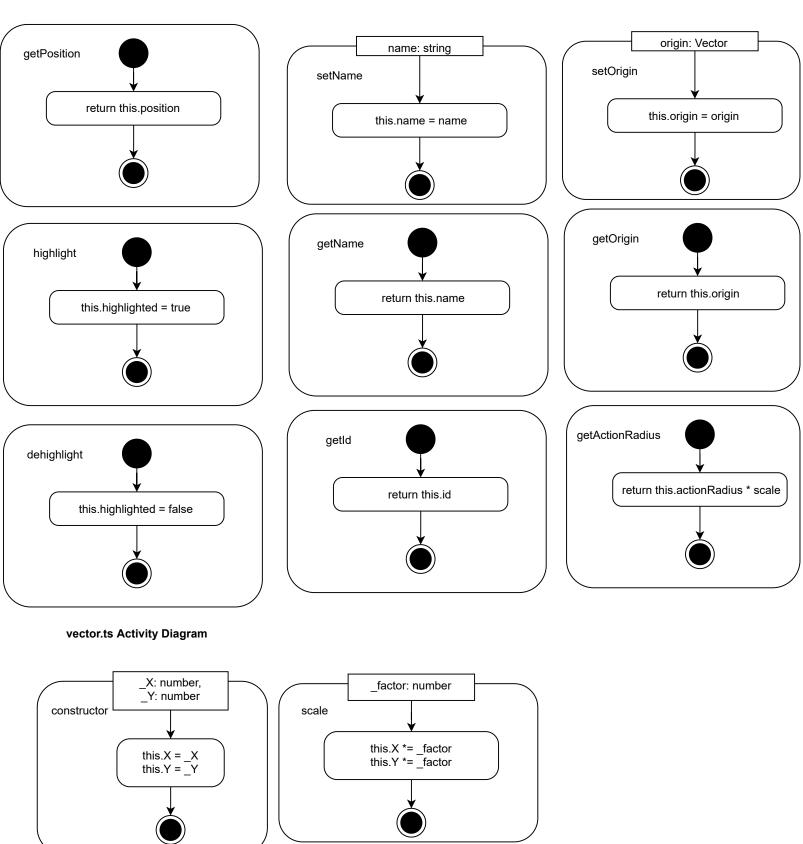


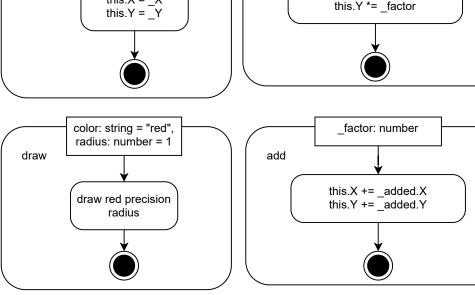


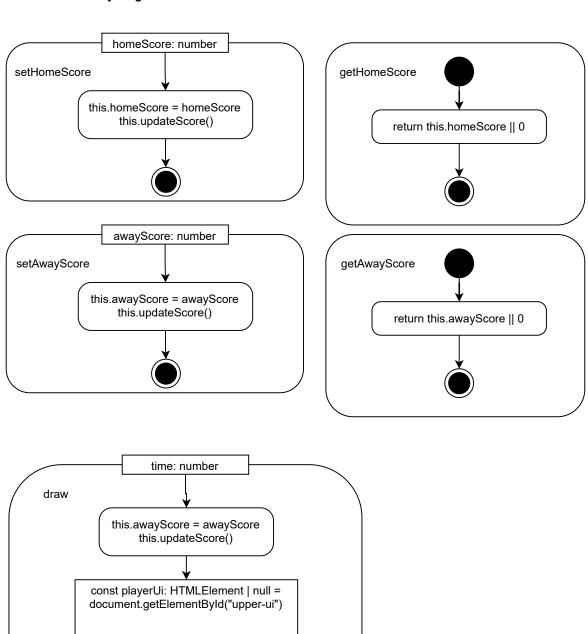








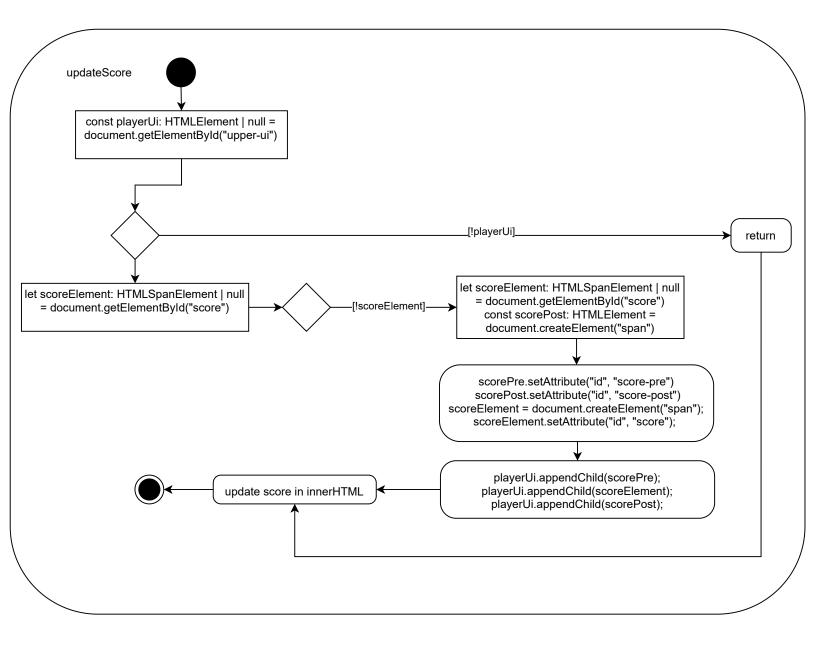


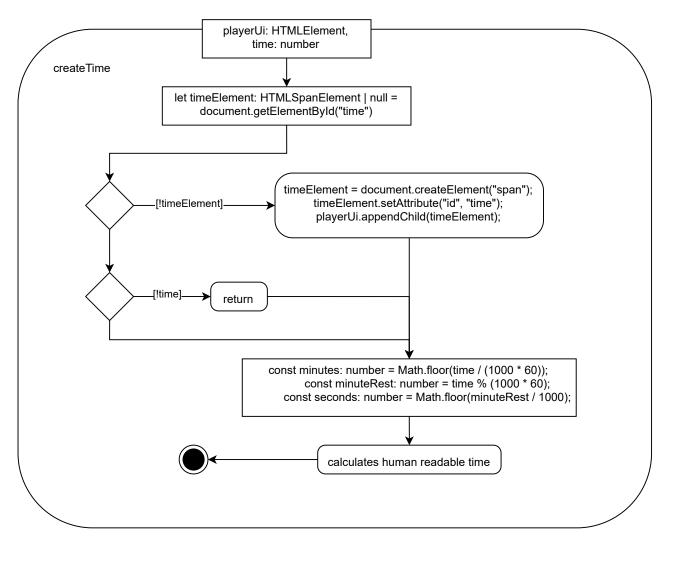


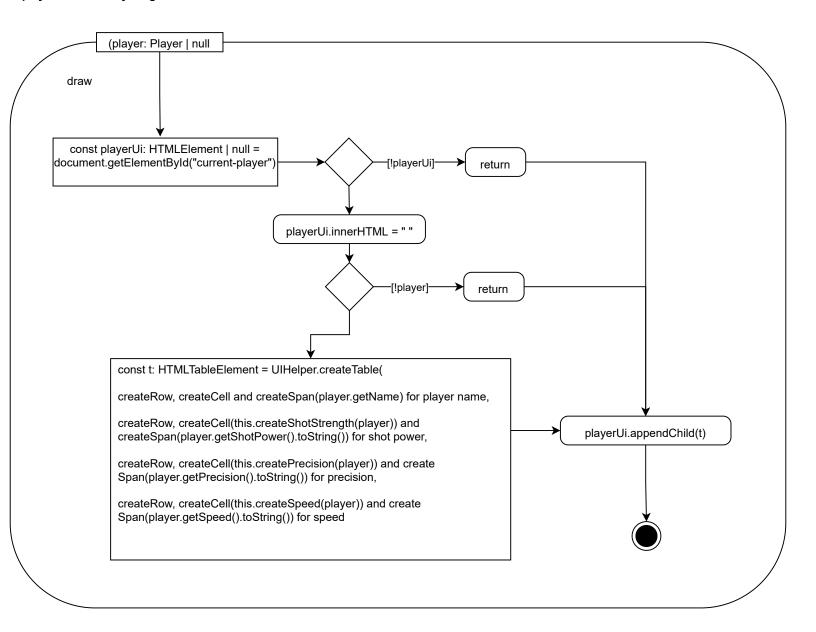
return

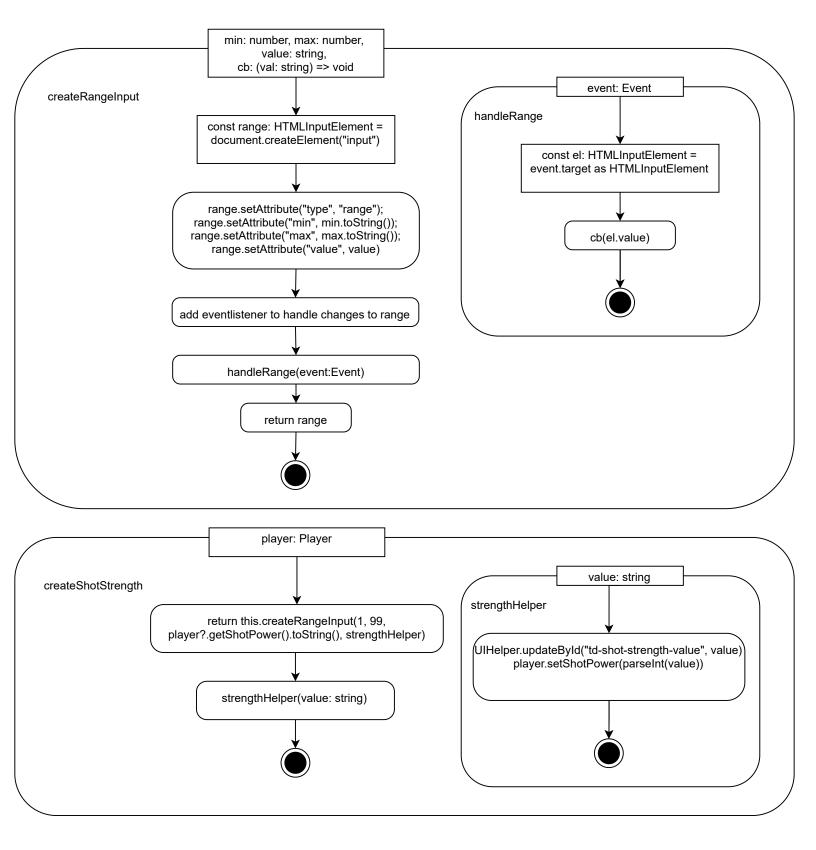
-[!playerUi]-

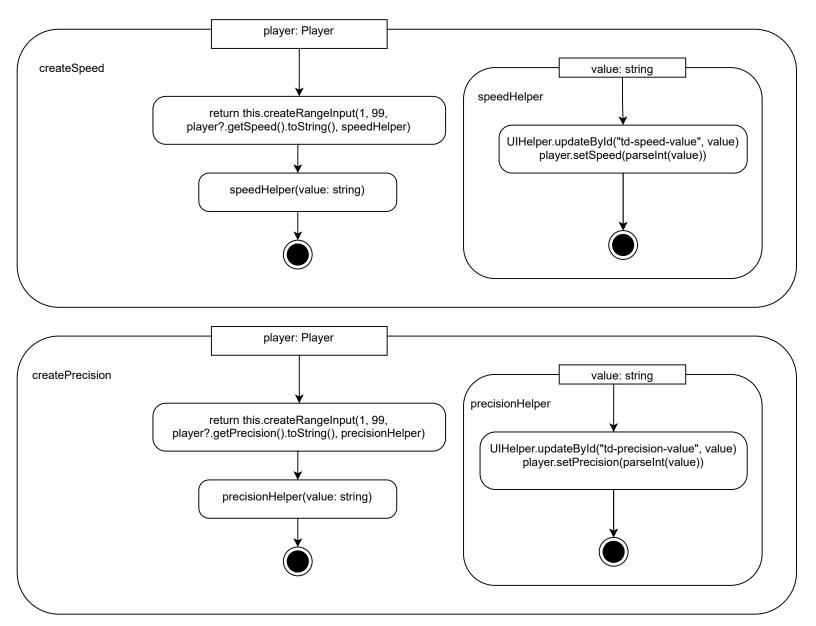
create clock











team-ui.ts

