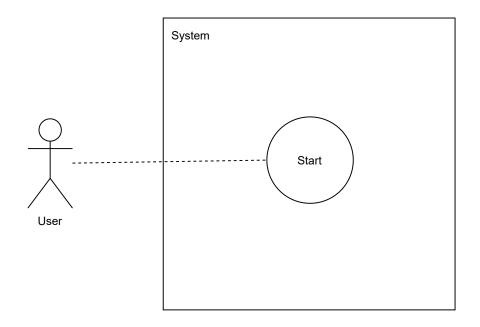
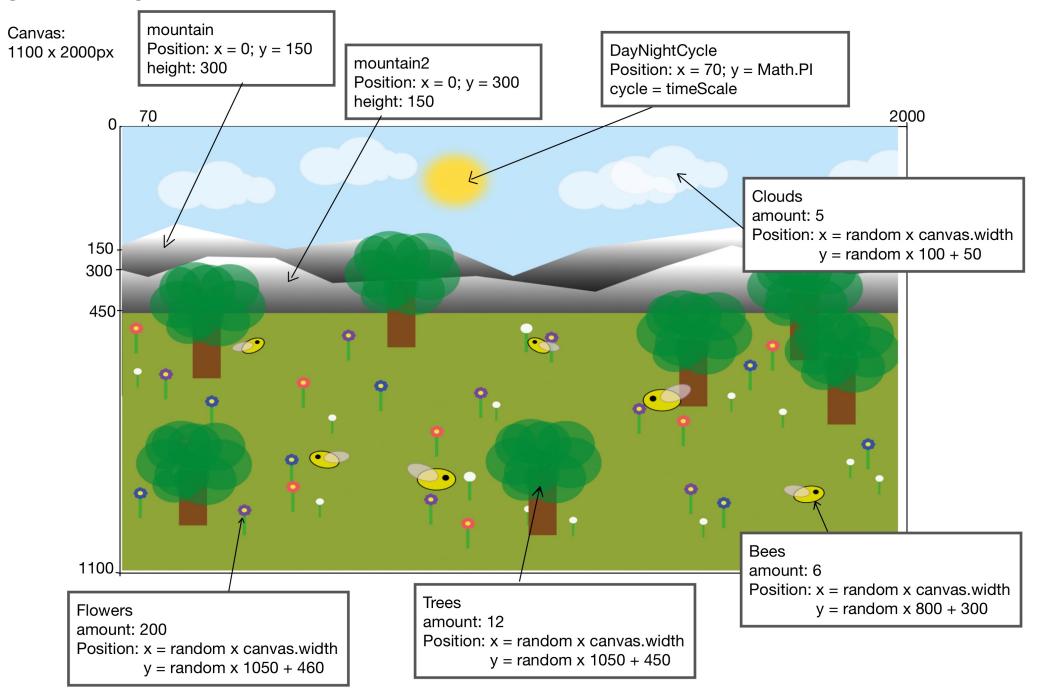
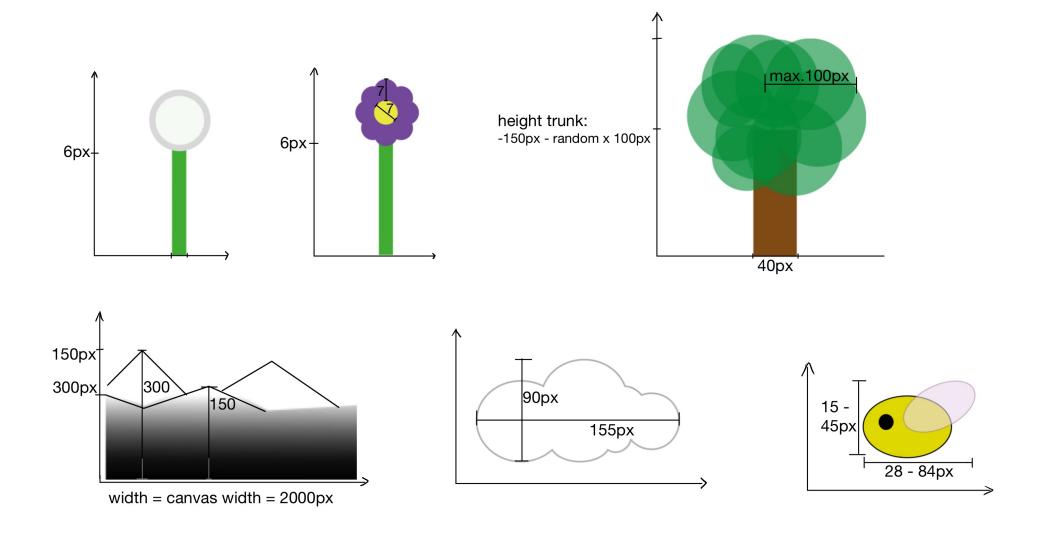
User-Interface-Diagramm



UI Scribble: Canvas



UI Scribble: Assets



Blumenwiese: Classes: Klassendiagramm

CanvasRenderingContext

Scene

dayNightCycle: DayNightCycle;

mountain: Mountain; mountain2: Mountain; flowers: Flower[]; trees: Tree[]; bees: Bee[]; clouds: Cloud[];

constructor

(canvas: HTMLCanvasElement)

(timeScale: number)

Tree

x: number; y: number; height: number; valuesX: number[]; valuesY: number[]; colors: string[];

constructor

(_canvas: HTMLCanvasElement)

(x: number) (y: number)

DayNightCycle

cX: number; cY: number; rX: number; rY: number; size: number; angle: number; timeScale: number; time: number; total: number; current: number;

constructor

(canvas: HTMLCanvasElement)

(_size: number)
(_angle: number)
(timeScale: number)

Bee

x: number; y: number; vX: number; vY: number; time: number; changeTime: number; scale: number;

constructor

 $(_canvas: HTMLCanvasElement)$

(x: number) (y: number)

Flower

x: number; y: number; height: number; type: number; scale: number; color: string;

constructor

(_canvas: HTMLCanvasElement)

(x: number)(y: number)(height: number)

Mountain

x: number; y: number; w: number; h: number; pointAmount:

pointAmount: number; points: number[][] = [];

constructor

(_canvas: HTMLCanvasElement)

(x: number)
(y: number)
(w: number)
(h: number)

Cloud

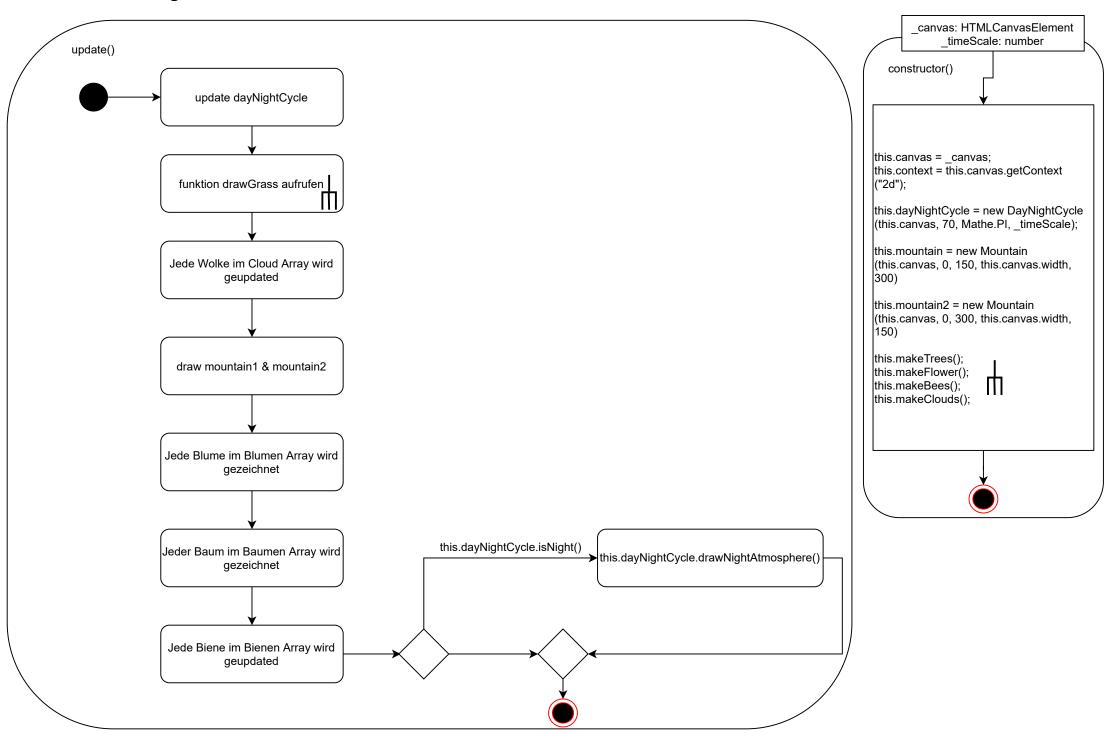
x: number; y: number; vX: number; sizeX: number;

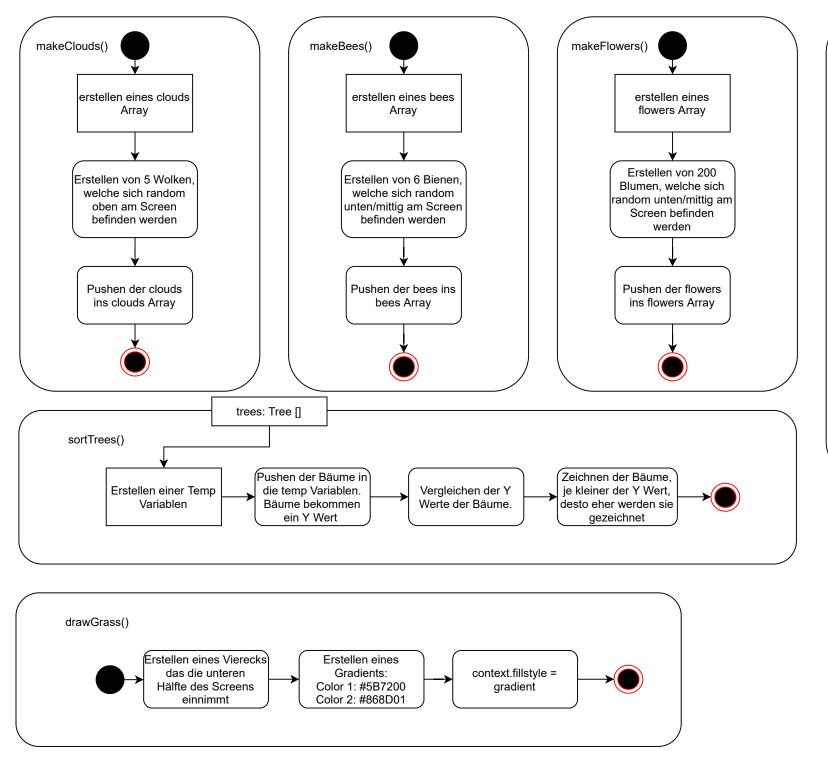
constructor

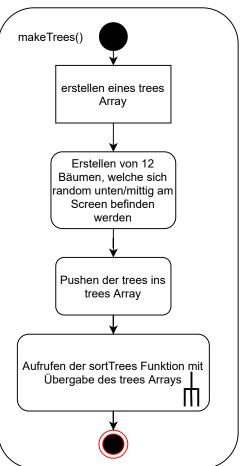
(canvas: HTMLCanvasElement)

(x: number)
(y: number)

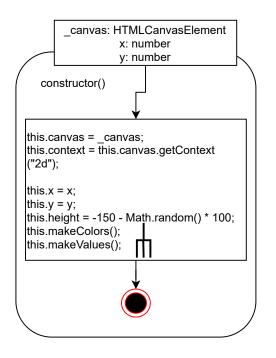
Aktivitätsdiagramm: Scene

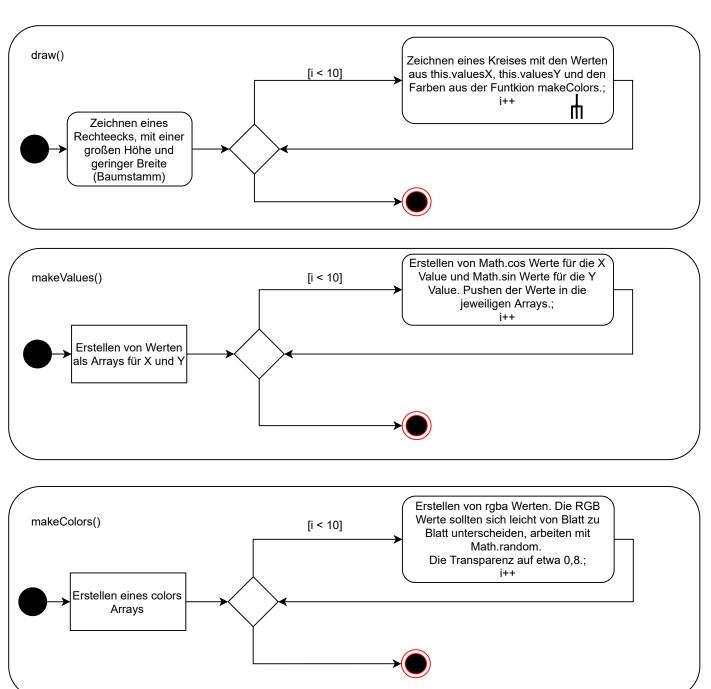




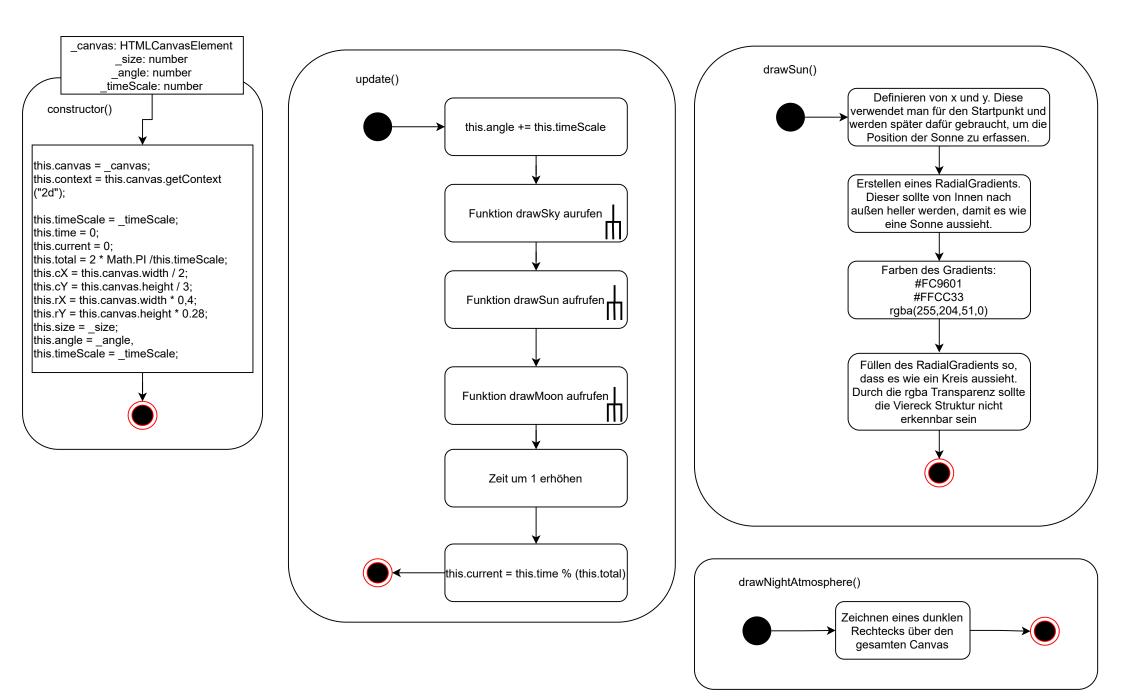


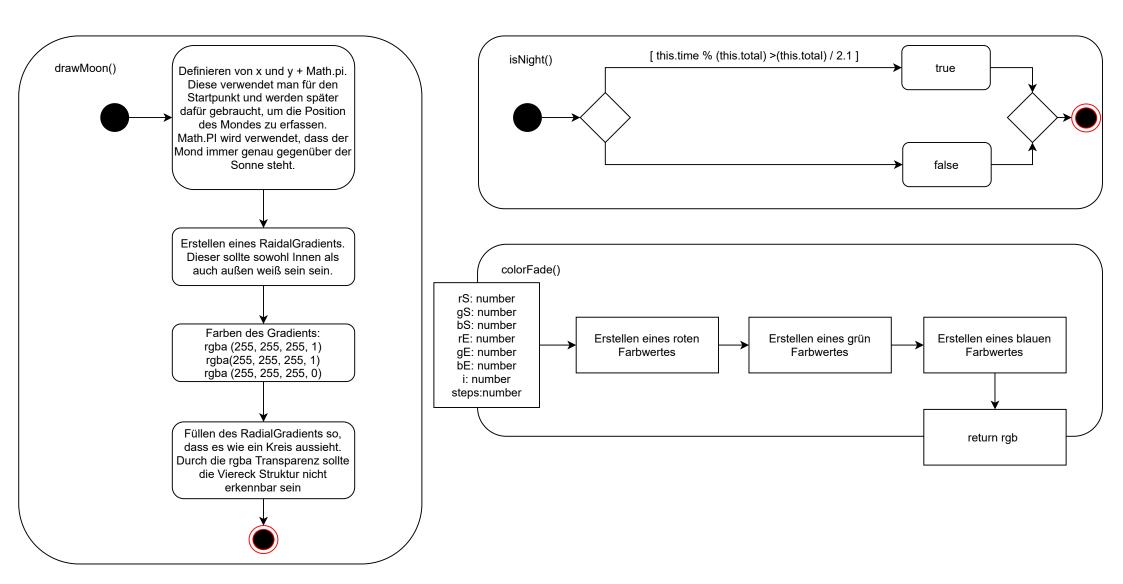
Aktivitätsdiagramm: Trees

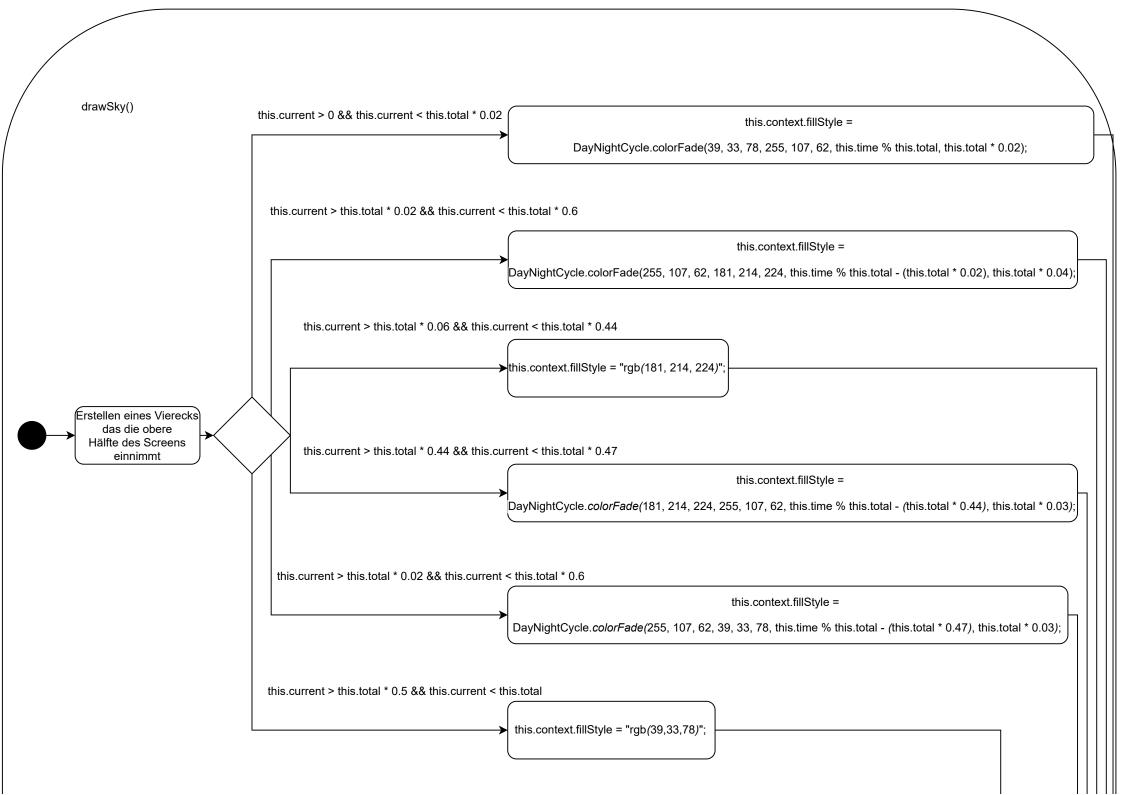


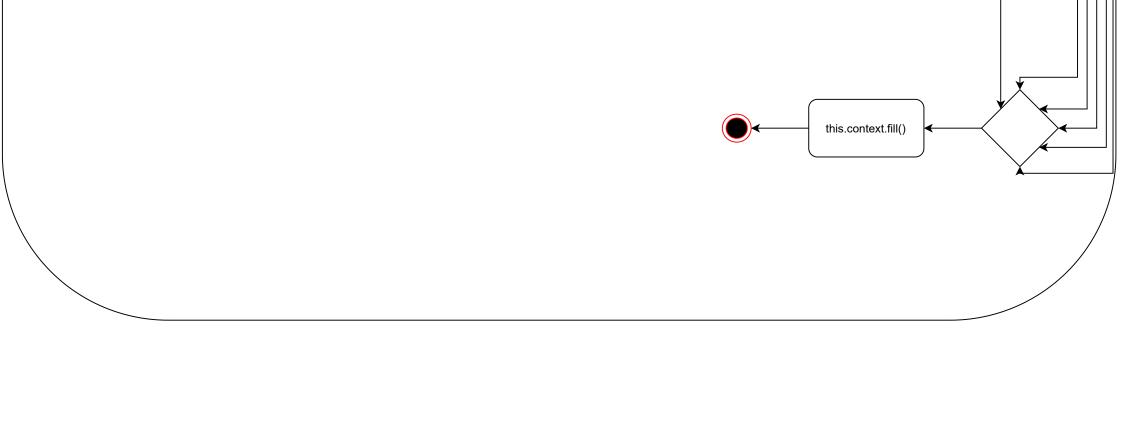


Aktivitätsdiagramm: DayNightCycle

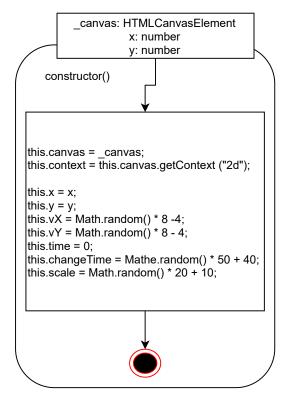


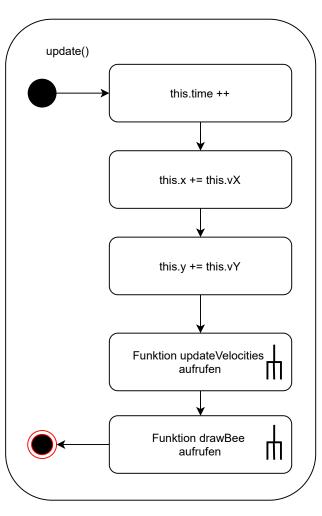


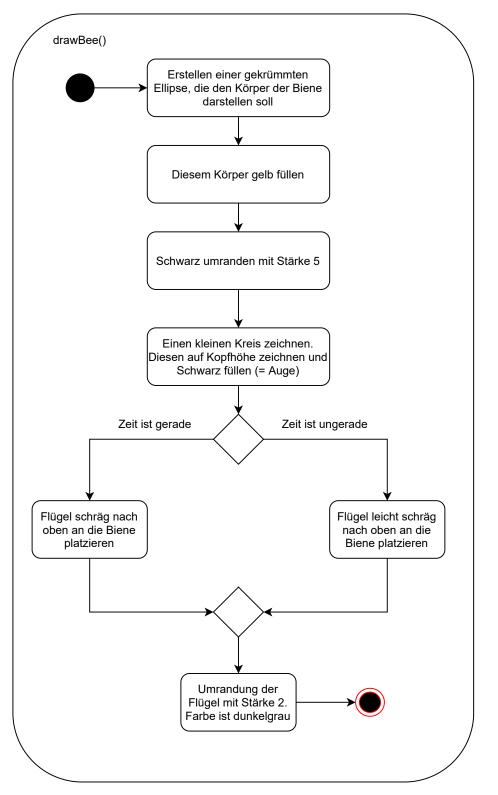


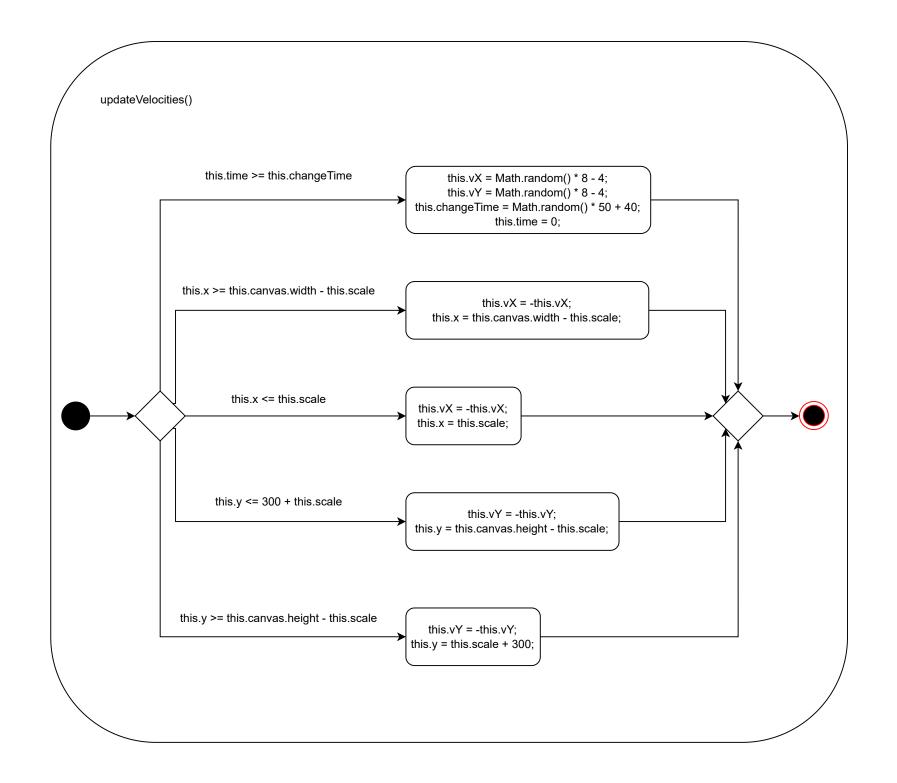


Aktivitätsdiagramm: Bee

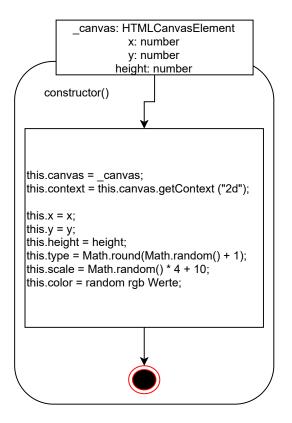


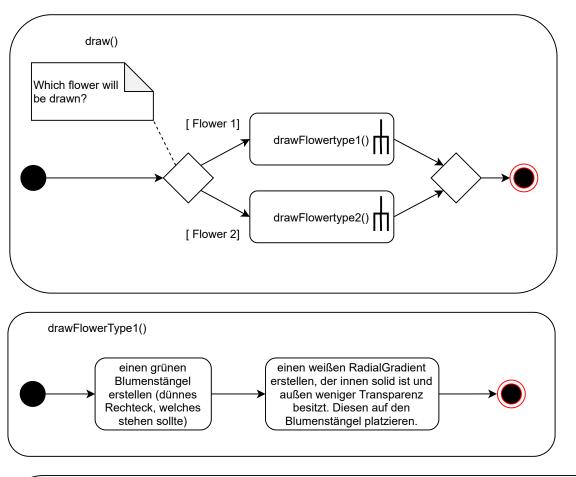


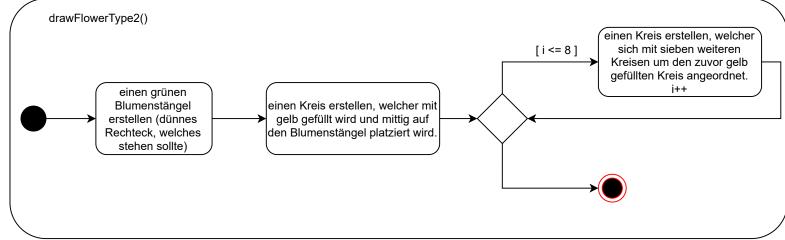




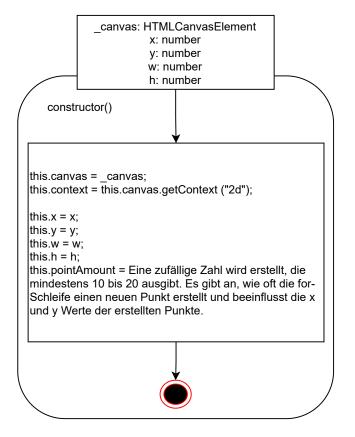
Aktivitätsdiagramm: Flower

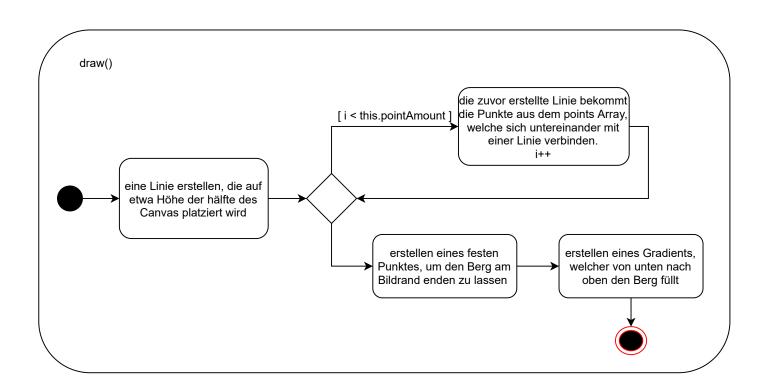




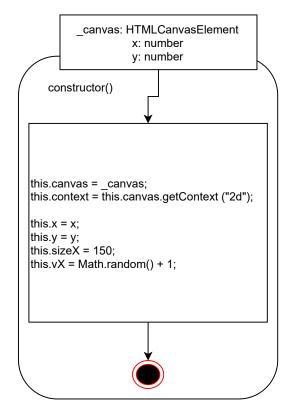


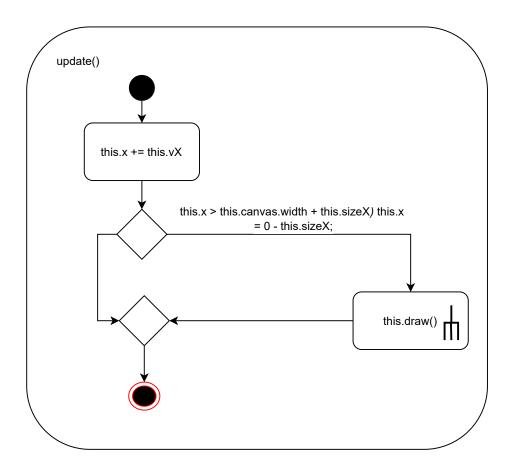
Aktivitätsdiagramm: Mountain

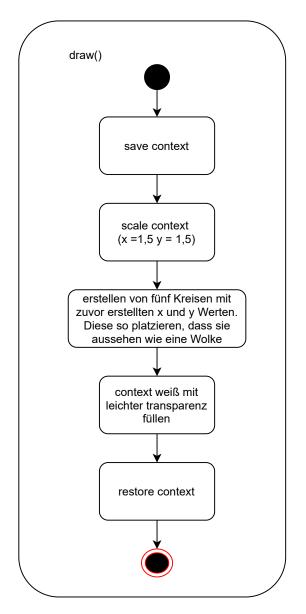




Aktivitätsdiagramm: Cloud







Aktivitätsdiagramm: Scene

let canvas: HMTLCanvasElement = <HTMLCanvasElement>document.getElementByID("canvas"); const timeScale: number = 0.005; (kann angepasst werden, beeinflusst die Geschwindigkeit, in der der Tag zur Nacht wird und umgekehrt) const scene: Scene = new Scene(canvas, timeScale);

