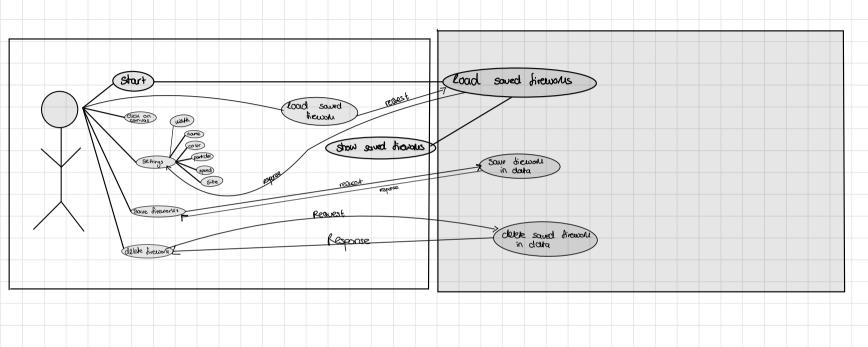


## USE-CASE



## CLASS DAGRAM

updade (): void

## Firework particles: Particle[]; Created Particles: boolean; particle Contig: Particle Contig: Counter: number; Cre2: Canuse Rendering Context & D; Color: string; number Of particles: number; past thion: Vector; Speed: number; Constructor (contig: Firework Contig:, particle Contig:, Particle Contig) Ctaw (): voicl

```
Vector

X: number

y: number

Constructor C-x: number, -y: number)

Set (-x: number, -y: number)

Scale (-factor: number)

add (-addlend: Vector)

random C-mindength: number, -maxlength: number)

Copy (): Vector
```

```
Particle
alive : boolean;
litetime: number = 20;
position: Vector:
relocity: Vector;
 crc2: Canvas Rendering Context 2D;
 color: String;
down Force : number;
 Constructor (config: ParticleConfig, position: Veodor,
           Start/elocity: Vector)
 update (): void
 draw (): void
```

## ACTIVITY - DIAGRAM



Firework(condig

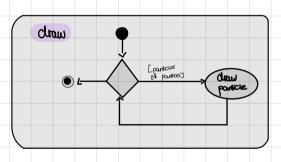
Color: string

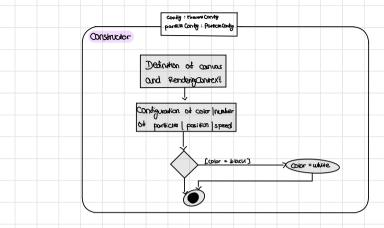
number() Particles: number

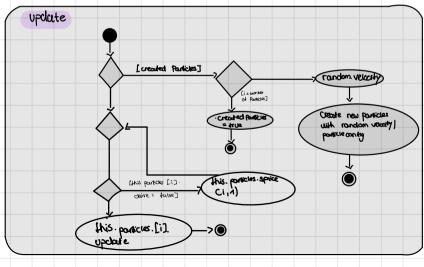
Positionx: number

Positiony: number

Speed: number







- Particle

Particle Condig Color: string; size: number; wielth: number;

