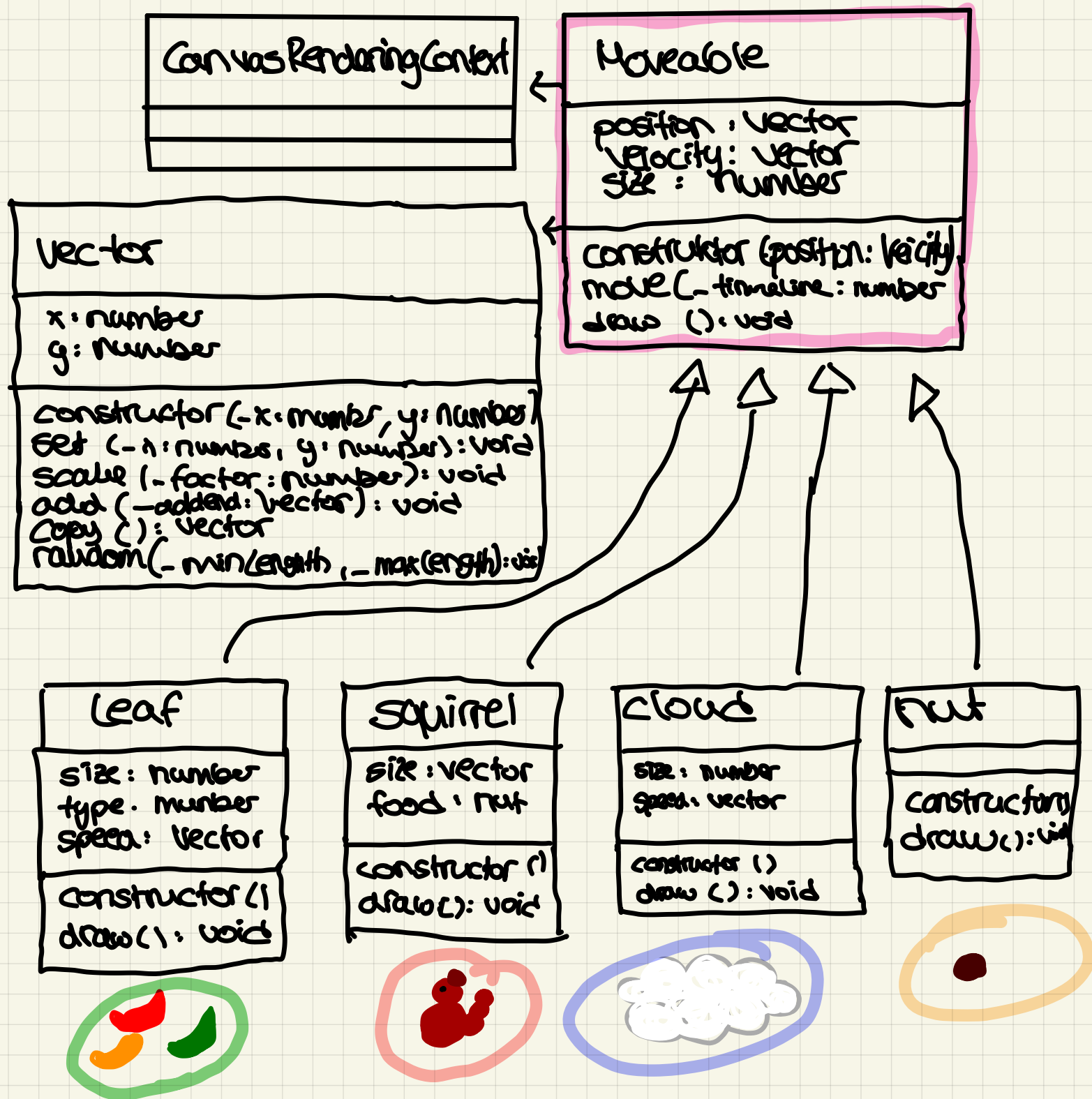
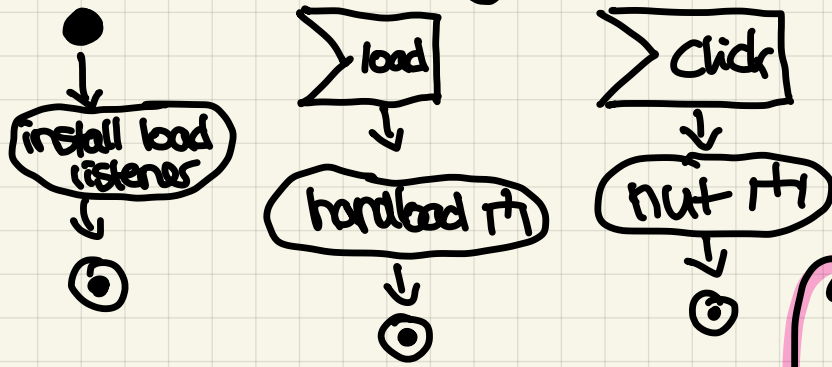


2.1.1 Goldenes Herbst

Klassendiagramm



Activity Diagram



Movable



Constructor

- position: vector
- velocity: vector
- size: number

set position to -position

set velocity to -velocity



move

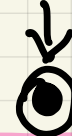
-timeslice: number

add velocity * -timeslice to position

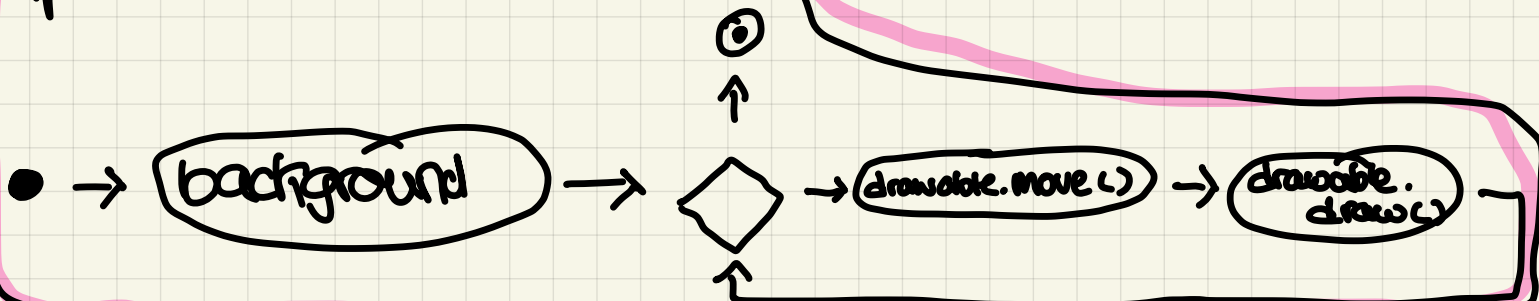


add canvas dimension to component

subtract canvas dimension from component



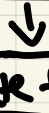
Update



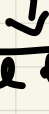
draw



save transform



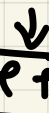
translate to position



Scale to size



draw path representing type



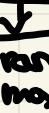
restore transform

Cloud

constructor



Super (-position, -velocity)



set velocity to random direction and random > min < max



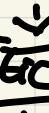
draw



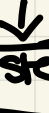
begin Path



radiusParticle: number / Particle: Path2D gradient: radial



particle.arc



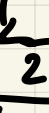
add color steps to gradient



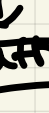
save transform



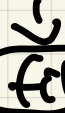
fill with gradient



arc key 2 + Math.PI



close Path



fill

→ restore



Squirrel

draw

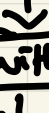
- size: vector



draw body



begin Path & FillStyle =, brown



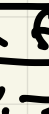
draw arcs with $2 * \text{Math.PI}$



close Path and fill



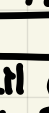
draw eye



begin Path & fillstyle



draw arcs with $2 * \text{Math.PI}$



close Path & fill



draw Ear & Tail with arc $2 * \text{Math.PI}$



close Path →



constructor



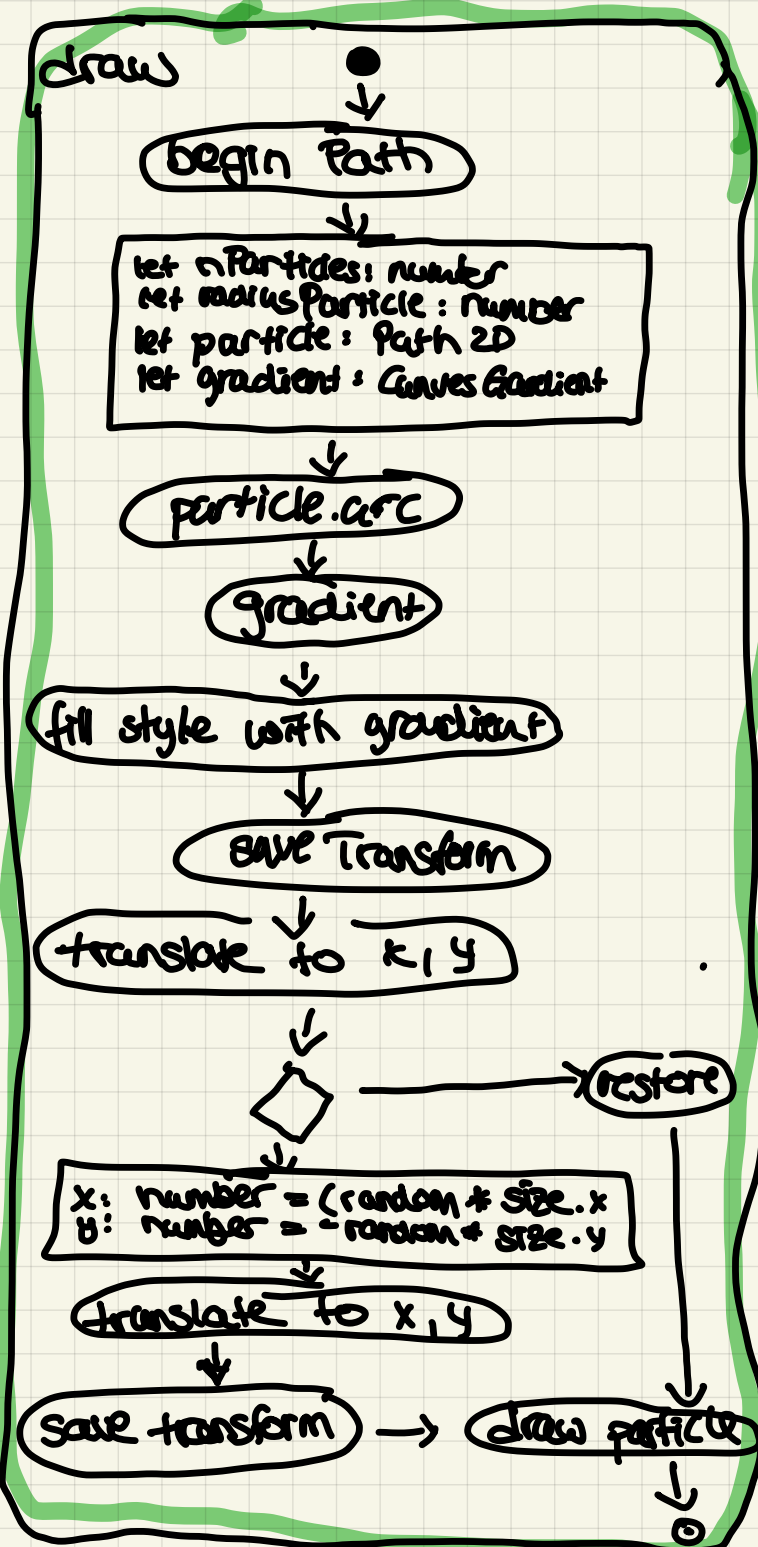
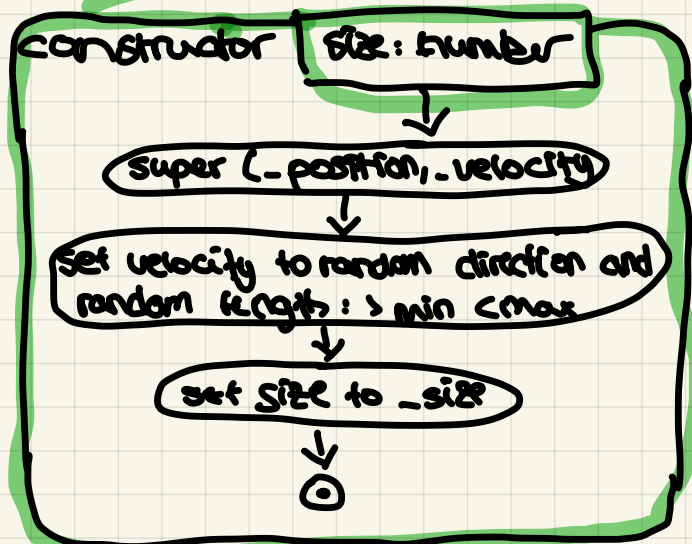
Super (-position, -velocity)



set velocity to random direction & random length > min < max



leafs



nut

