Ball

- position : doublevelocity : double
- + Ball(position:double, velocity:double)
- + get_position() : double
 + set_position(double) : void
- + get_velocity() : double
 + set_velocity(double)
- + push() : void

Beam

- length : intangle : double
- ang velocity : double
- + Beam(length:int, angle:double, ang_velocity:double)
- + get_angle() : double
- + set_angle(desired_angle:double)

Controller

- ball(double, double) : Ball
- beam(int, double, double) : Beam
- kp : double
- ki : double
- kd : double
- desired_pos : double
- time_passed : std::chrono::duration
- + Controller(Ball, Beam, double, double, double, double)
- + control(position:double, velocity:double): void
- + get_time(): void

