A-VOID

Control a planet and avoid asteroids. The game ends if the planet runs out of lives and it is won if it has survived for a set time.

MVP (DOM - CANVAS)

- Moving the planet in all directions,
- Checking for collisions with asteroids.
- Set a timer.

BACKLOG

- Enemies:
 - Comet: goes directly for the player.
 - Great Asteroid: A bigger asteroid.
- PowerUps (should get stored and be called when needed.)
 - Watercloud: Life Up.
 - Nova: destroy some asteroids.

DATA STRUCTURE

Game.js:

```
Request animation frame, Loop()
       }
       Game.prototype.updateAll(){
       Game.prototype.clearAll(){
Planet.js:
       Character(){
        this.x;
        this.y;
        this.speed;
        this.lives,
        this.size;
        this.canvas;
        this.ctx;
       }
       Planet.prototype.move(){
       Planet.prototype.getDamage(){
       Planet.prototype.hittingAsteroid(asteroid){
       Planet.prototype.update(){
       Planet.prototype.draw(){
Asteroid.js:
       Asteroid (){
        this.x;
        this.y;
        this.size;
        this.canvas;
        this.ctx;
       }
```

```
Asteroid.prototype.movement(){
}
Asteroid.prototype.update(){
}
Asteroid.prototype.draw(){
}
```

STATES AND THEIR TRANSITIONS

```
- buildMainMenuScreen(){
        -destroyWinScreen(if){
     }
} - buildGameScreen(){
        -destroyMainMenuScreen(){
        }
     -destroyGameOverScreen(If){
     }
}
- buildGameOverScreen(){
        -destroyGameScreen(){
        -destroyGameScreen(){
        }
}
- buildWinScreen(){
        -destroyGameScreen(){
        }
}
```

Task

- Main: build DOM,
- Main: build / destroy Screens:
 - Splash Screen,
 - Game Screen,
 - Death Screen,
 - Win Screen.
- Main: Set transitions.
- Game: set the timer (for the losing condition)
- Game: Set the loop.
- Game: build DOM (canvas)
- Planet (player): constructor & Game: create Planet(player)
- Planet (player): movement method.
- Asteroid (enemy): constructor & Game: create Asteroid(enemy)
- Asteroid (enemy): movement method.
- Planet: check collision.
- Game: check win (lives and time)
- CSS: Style everything.

Links

Git

URIs for the project repo and deploy [Link Repo](https://github.com/EricCapdevila/A-Void) [Link Deploy](http://github.com)