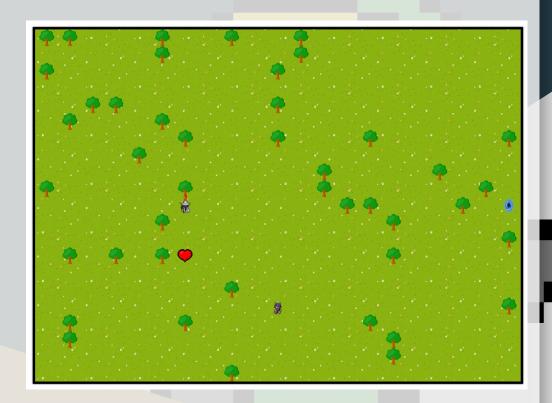
The Adventure IronHack project

Project Elevator Pitch

- Zelda like game
- Needs several algorithms to make monsters move and attack
- Quite "infiny" to develop.



```
run() {
let intervalID = setInterval(
    let check = this.checkStatus();
    if (check === "Dead") {
     clearInterval(intervalID):
    count++;
     if (count % this.spellSpeed === 0) {
      for (let element of this.mobs) {
        let bestWay = element.calcBestWay(element);
        element.move(bestWay[0], bestWay[1]);
      for (let element of this.boss) {
        let bestWay = element.calcBestWay(element);
        element.move(bestWay[0], bestWay[1]);
      if (hero.status === "Dead") {
       clearInterval(intervalID);
      const btnRight = document.getElementById("start");
      btnRight.addEventListener("click", () => {
       clearInterval(intervalID);
    if (count % 10 === 0) {
      for (let element of this.boss) {
```



Technical Challenge

- Create the "engine" to permanently calculate all coordinates, movement and actions.
- Different timeIntervental to manage.
- Generate random maps
- Making it playable on mobile

Big Mistake

- Not thinking about the whole game before starting to code!
- Add the build, unbuild, rebuild several time several class because I wanted to add new functionalities.

```
class Boss {
  this.position = [];
  this.previousPosition = [];
  this.possibleWays = [];
  this.bestWay = [];
  this.speed = 1;
                                                                                              this.attackSpeed = 1;
  this.attackSpeed = 1;
  this.wave = 0;
                                                                                              this.wave = 0:
  this.spells = [];
                                                                                              this.position = [x, y];
  this.position = [x, y];
  this.wave = wave:
                                                                                              const mobCard = document.getElementById([this.position]);
                                                                                              mobCard.className += " mob";
                                                                                              mobCard.innerHTML = this.life;
  const bossCard = document.getElementById([this.position]);
  bossCard.className += " boss";
                                                                                            calcBestWav(element) {
  bossCard.innerHTML = this.life;
                                                                                              let heroPosition = hero.position;
calcBestWay(element) {
                                                                                              let xDiff = Math.abs(heroPosition[0] - element.position[0]);
  let heroPosition = hero.position;
                                                                                              let yDiff = Math.abs(heroPosition[1] - element.position[1]);
                                                                                              let random = Math.random();
  let random = Math.round(Math.random() * 2) - 1;
```

Demo Slide

DEMO

The Adventure

Thank you

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