

Progetto esame Programmazione ad Oggetti

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Applicazione desktop per streaming dei file torrent

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Tecnologie utilizzate



- Electron

Applicazioni Desktop cross platform con HTML, CSS, JS.

- Node.js (e NPM)

Node.js è una piattaforma event-driven per il motore JavaScript V8.
NPM (Node Package Manager)

- TypeScript

TypeScript è un'estensione di JavaScript che aggiunge classi, interfacce, moduli, tipi di dato e molto altro.

- YTS (e YifySubtitles)

API per i dati sui film e sottotitoli

- Peerflix

Algoritmo che permette lo streaming torrent scaricati sequenzialmente

Electron



Electron

player.js

main.js

Frontend

player.html

index.html

style.css

Backend

renderer.ts

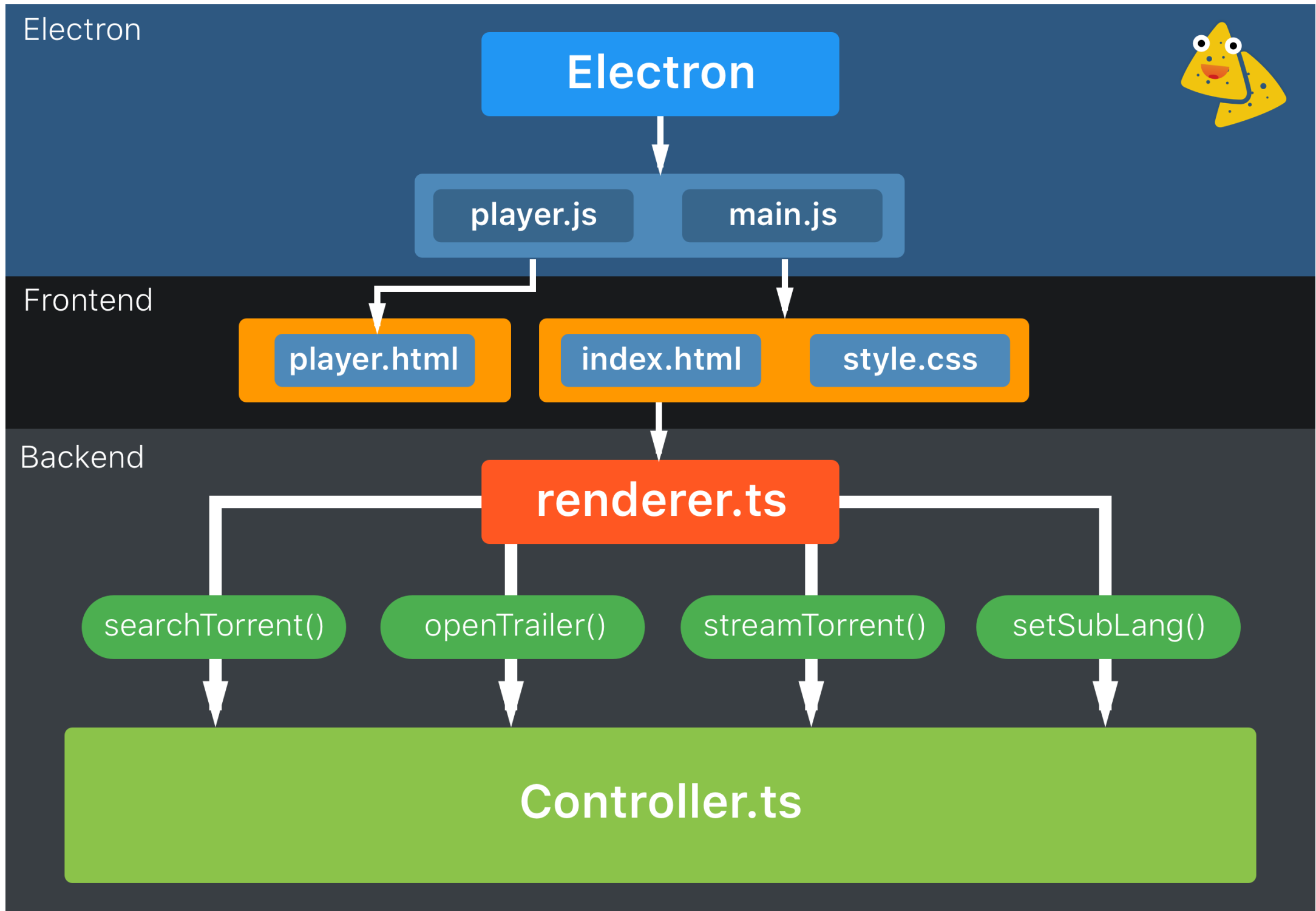
searchTorrent()

openTrailer()

streamTorrent()

setSubLang()

Controller.ts



Controller.ts

searchTorrent()

openTrailer()

streamTorrent()

setSubLang()

yify.js

yifi.search()

torrentList[]

movieList[]

EMITTER
MovieSub()

Movie.ts

trailerLink()

open()

Movie.ts

getMagnet()
getSubPath()

**Peerflix
Manager**

Movie.ts

getSubs()
setSubPath()





Movie title

Sottotitoli



Movie title

```
...  
let mvSub = new MovieSub(this.movie)  
EM.receiveSubs(this.movie)  
...
```

SubEmitter.ts

- emitSubs()
- receiveSubs()

```
EM = new SubEmitter()
```

MovieSub.ts

```
searchSub() {  
    EM.emitSubs()  
}
```

Controller.ts

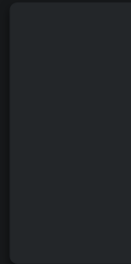
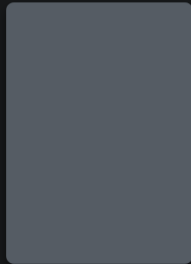
```
EM.receiveSubs()
```



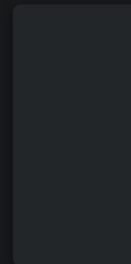
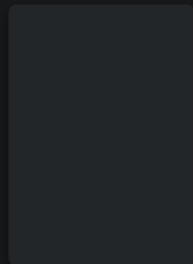
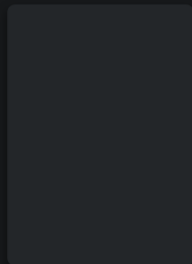
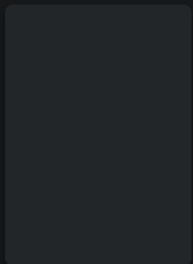
BETA

Per Te

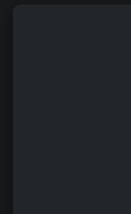
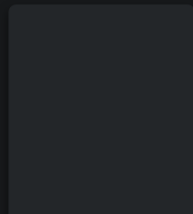
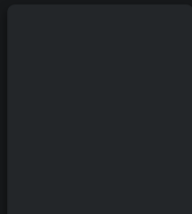
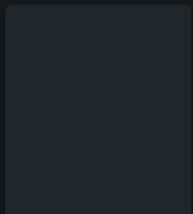
Perchè hai guardato: Movie 01



Perchè hai guardato: Movie 02



Perchè hai guardato: Movie 02



RelatedController.ts

```
findRelatedMovies()
```

K-nearest neighbors

- title
- genres[]
- summary
- rating
- year