## **MASTER OF PUPPETS**

https://przemyslawjanpietrzak.github.io/przemyslawjanpietrzak.github.io/puppeteer/dist

### **Puppeteer**



# **OVERVIEW**

- \* Driver on Chromium
  - \* Written in Node.js
  - \* async/await syntax

### **Syntax**

```
const puppeteer = require('puppeteer');

(async () => {
   const browser = await puppeteer.launch();
   const page = await browser.newPage();
   await page.goto('https://news.ycombinator.com', {waitUntil: 'networkidle2'});
   await page.pdf({path: 'hn.pdf', format: 'A4'});

   await browser.close();
})();
```

**CHAPTER I** 

HTML => PDF

#### **PDF**

```
await page.pdf({
  path: output,
  printBackground: true,
  landscape: true,
  width: "800px"
})
```

#### **SCREENSHOT**

```
const path = require('path');
const puppeteer = require('puppeteer');

let bookingUrl = 'https://booking.com';
(async () => {
    const browser = await puppeteer.launch({ headless: false });
    const page = await browser.newPage();
    await page.setViewport({ width: 1920, height: 926 });
    await page.goto(bookingUrl);

await page.screenshot({path: path.join(_dirname, 'booking.png')});
    await page.close();
}) ();
```

**CHAPTER II** 

Web scraping

#### **EVALUATE**

```
const puppeteer = require('puppeteer');

let bookingUrl = 'https://booking.com';
(async () => {
    const browser = await puppeteer.launch({ headless: false });
    const page = await browser.newPage();
    await page.setViewport({ width: 1920, height: 926 });
    await page.goto(bookingUrl);

const list = await page.evaluate(() => {
    const list = document.querySelector('#list-selector').children;
    console.log(list);
    return Array
        .from(list)
        .map(i => i.querySelector(".bh-carousel--new_price").textContent);
));
    console.log(list);
)) ();
```

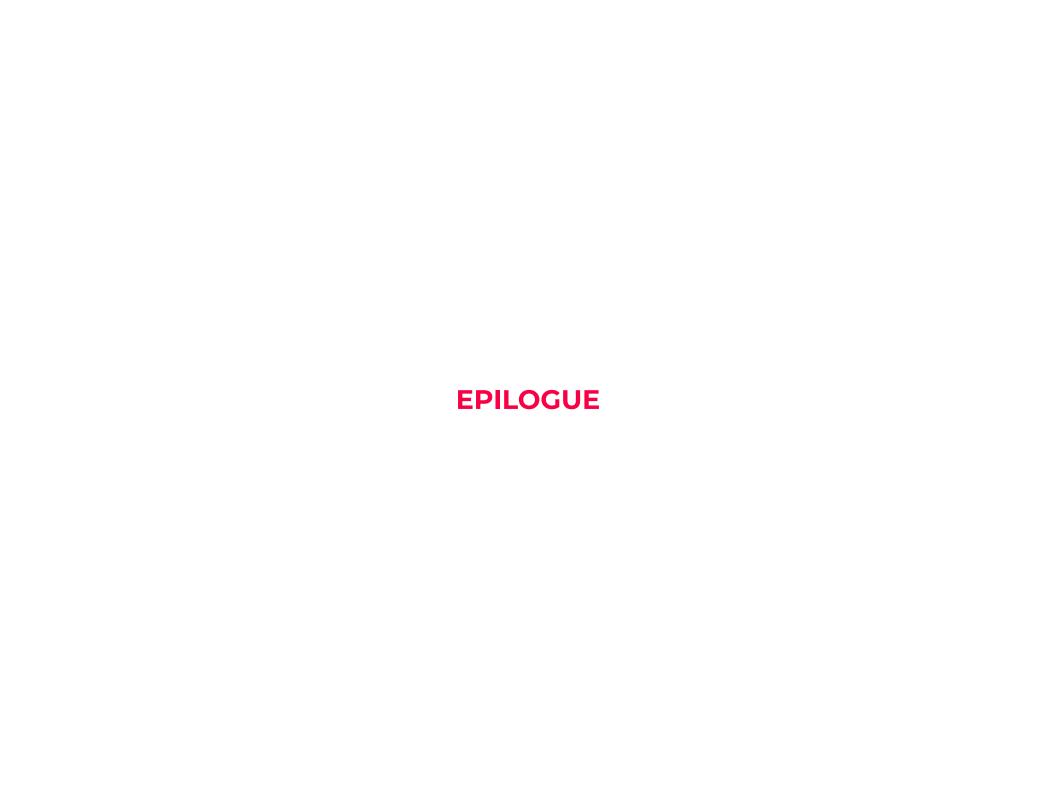
**CHAPTER III Lighthouse** 

### **CHAPTER IV**

**Gremlins** 

```
async () => {
  browser = await puppeteer.launch({
    headless,
  });
  page = await browser.newPage();
  page.on('pageerror', (error) => {
    errors.push(error);
  });

await page.goto(host);
  await page.setViewport({height, width });
});
```



# WHEN NOT?

- \* E2E testing
- \* Visual regression testing
- \* Web Scraping static pages
  - \* Weak error handling

# **INSTEAD OF?**

- \* Cypress.io or Selenium for E2E testing
- \* Backstop.js for visual regression testing
- \* BeautifulSoup for web scraping static pages

Thank you:\*