PLAY RIGHT WITH PLAYWRIGHT
EASY UI TESTING

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CERN IT LIGHTNING TALKS #24
ONCE UPON A TIME...

- We did time consuming manual testing of user flows
- Prone to errors

BUT THEN...

- We decided to automate
- Selected Playwright
ADVANTAGES OF PLAYWRIGHT

- Cross-browser support
- Reliable and fast
- Language flexibility
- Easy setup and maintenance
e2e: sharing in CERNBox
Installing Playwright

Get started by installing Playwright using npm or yarn. Alternatively, use pnpm.

```
npm    yarn    pnpm
```

Run the install command and select the following to configure projects for major browsers:

- Choose between TypeScript or JavaScript
- Select the name of your tests (default: `Tests`)
- Configure the devices (default: `Desktop Chrome`)

Configure the devices for major browsers:

```
projects: [
  {
    name: 'chromium',
    use: {}
  },
  {
    name: 'firefox',
    use: {}
  }
]
```
THE BASICS

Locators

• CSS selectors
• getByRole, getText, ...

const locator = page.getByRole('checkbox', { name: 'Subscribe' });

Actions

• click, push, focus, hover, type, ...

await locator.click();

Assertions

• toBeVisible, toBeEnabled, toHaveCount, toContainText, ...

await expect(locator).toBeVisible();
LET’S WRITE A SIMPLE TEST FOR INDICO

USING THE CODE GENERATOR MAGIC
Write a test with codegen
ADJUST GENERATED CODE

Improve selectors,
Add comments, assertions
TEST REPORTS
MORE FEATURES

- Parallelization
- Testing of APIs
- Testing browser extensions
- Mocking different network conditions
- ...

https://playwright.dev
DO YOU HAVE ANY QUESTIONS?