

Testing Challenges using Playwright Typescript

Challenge 1: E2E Test

Create a Playwright test using Typescript and <https://shop.polymer-project.org/> as the website to run Playwright Tests

Put all code in a Github repo. Organize your code by using Page Object Models, test steps, etc.

Challenge 2: Locate elements

Given an HTML snippet, locate the elements. Put the answers in a file inside the same repo from Challenge 1.

Challenge 1 - Instructions

1. Create an E2E test at <https://shop.polymer-project.org/> that adds 2 products each from the Men's Outerwear and Ladies Outerwear sections (total of 4).

1.1. You can choose any product.

1.2. Change the Size and the Quantity per product.

2. In the “Your cart” page, assert the following:

2.1. The 4 products you’ve selected, their sizes and quantities are correct.

2.2. The total is correct

3. In the Checkout page:

3.1. Fill out the form. Use the following values:

Country = “Canada”

Expiry Month = “November”

Expiry Year = 2025

3.2. Place the order

4. Assert that the next page after checkout has the “Thank you” heading

Nice to have: Docker setup

Challenge 2 – Instructions

Click the following elements. Please consider that translations are active:

1. Click the “Dog” option .
2. Click the “Continuer” button under the question “Année d'adoption”.
3. Select year “2023” from the dropdown. Note that you have to locate & click first the textbox that has a placeholder of “2022” before the dropdown list appears

```
<div class="process">
  <div class="process-main-info">
    <div class="process-title">
      <h2 class="titles4" data-textid="Pet type" lang="fr-ch">
        Type d'animal
      </h2>
    </div>
    <p class="text5 help-info" data-textid="What pet did you adopt?"
      lang="fr-ch">Quel animal avez-vous adopté ?</p>
    <div class="animals">
      <div class="pet clickable">
        <div class="pet-img icon-cat"></div>
        <h5 class="text-center" data-textid="Cat" lang="fr-ch">
          Chat
        </h5>
      </div>
      <div class="pet clickable">
        <div class="pet-img icon-dog"></div>
        <h5 class="text-center" data-textid="Dog" lang="fr-ch">
          Chien
        </h5>
      </div>
    </div>
    <div class="next-btn">
      <button type="button" class="bold regular upper">
        <span>
          <span>Continuer</span>
        </span>
      </button>
    </div>
  </div>
</div>
```

```

<div class="process">
  <div class="process-main-info">
    <div class="process-title">
      <h2 class="titles4" data-textid="Year of adoption" lang="fr-ch">
        Année d'adoption
      </h2>
    </div>
    <p class="text5 help-info" data-textid="When did you adopt your pet?"
lang="fr-ch">
      Quand avez-vous adopté votre animal ?
    </p>
    <div class="year-adoption with-select">
      <p class="info-text text5">
        <span><span>Année</span>:</span>
      </p>
      <div class="form-group">
        <div class="select">
          <div class="input input--suffix">
            <input type="text" readonly="readonly" autocomplete="off"
placeholder="2022" class="input__inner">
          </div>
          <!-- README: The div dropdown below only appears after clicking <div
class="input input--suffix"> -->
          <div class="dropdown">
            <div class="dropdown_with_scrollbar">
              <div class="dropdown__wrap" style="margin-bottom: -12px; margin-
right: -12px;">
                <ul class="scrollbar dropdown__list">
                  <li class="dropdown_item"><span>2021</span></li>
                  <li class="dropdown_item selected"><span>2022</span></li>
                  <li class="dropdown_item"><span>2023</span></li>
                </ul>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
    <div class="next-btn">
      <button type="button" class="bold regular upper">

```

```
<span>
  <span>Continuer</span>
</span>
</button>
</div>
</div>
```