

# Exporting PDFs using Playwright

01 August 2024

# Agenda

1. Brief Introduction to Playwright
2. Demo Code for Exporting PDF
  - Part 1: Using HTML/CSS with Static Data
  - Part 2: Using HTML with Go Template
3. How Frontend Can Contribute to HTML/CSS for BE Team's PDF Rendering

# Brief Introduction to Playwright

- Playwright is a Node.js library developed by Microsoft for automating web browsers.
- Playwright allows us to interact with web pages in major browsers like Chromium, Firefox, Safari ...
- Key features: multi-browser support, end-to-end Testing, headless mode, PDF Generation, screen Capture and Video Recording ...

# Demo Code for Exporting PDF

- Part 1: Using HTML/CSS with Static Data
- Part 2: Using HTML with Go Template

# Part 1: Using HTML/CSS with Static Data

- Example HTML and CSS

**html** ([../html/static\\_data.html](#))

**CSS** ([../html/styles.css](#))

- Common print options

**header** ([../html/header.html](#))

**footer** ([../html/footer.html](#))

- Format/Page size: Letter, A3, A4 ...
- Margin
- Is Landscape

# Part 1: Using HTML/CSS with Static Data

Result (img.png)

FactorZoomShareHighlightRotate

Section 1: Best buys in Tso Puyoh

Property 1	\$900,000
3 Beds, 2 Baths	1234 Sq Ft
Property 2	\$750,000
4 Beds, 2 Baths	2000 Sq Ft
Property 3	\$1,200,000
5 Beds, 4 Baths	3500 Sq Ft
Property 4	\$2,000,000
3 Beds, 1 Bath	1000 Sq Ft
Property 5	\$2,100,000
3 Beds, 1 Bath	1000 Sq Ft

ERA

REAL ESTATE

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RELATED PROPERTIES

Property 6	\$2,100,000
3 Beds, 1 Bath	1000 Sq Ft
Property 7	\$2,100,000
3 Beds, 1 Bath	1000 Sq Ft
Property 8	\$2,100,000
3 Beds, 1 Bath	1000 Sq Ft
Property 9	\$2,100,000
3 Beds, 1 Bath	1000 Sq Ft
Property 10	\$2,100,000
3 Beds, 1 Bath	1000 Sq Ft

ERA

REAL ESTATE

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RELATED PROPERTIES

Property 11	\$2,100,000
3 Beds, 1 Bath	1000 Sq Ft
Property 12	\$2,100,000
3 Beds, 1 Bath	1000 Sq Ft

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REAL ESTATE

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RELATED PROPERTIES

Section 2: Property Listings Table

Property	Price	Beds	Baths	Sq Ft
Property 1	\$900,000	3	2	1234

Property 1	\$750,000	4	2	2000
Property 2	\$1,200,000	5	4	2000
Property 3	\$2,200,000	2	1	200
Property 4	\$2,200,000	3	1	200
Property 5	\$400,000	3	2	1200
Property 6	\$750,000	4	2	2000
Property 7	\$1,200,000	5	4	2000
Property 8	\$2,200,000	2	1	200
Property 9	\$2,200,000	3	1	200



## Part 2: Using HTML with Go Template

Go Template ([../html/template.html](#))

```
18      </div>
19
20      {{range .properties}}
21      <div class="block">
22        <div class="row">
23          <span>{{.name}}</span>
24          <span>{{.Price}}</span>
25        </div>
26        <div class="row">
27          <span>{{.details}}</span>
28          <span>{{.area}}</span>
29        </div>
30      </div>
31    {{end}}
```

Data ([../html/data.json](#))

# Demo Code for Exporting PDF

## Capabilities and Limitations

### Capabilities

- Customizing headers and footers for different pages
- Displaying watermarks in the background of each page
- Limiting the number of items or rows per page
- Setting page margins and orientation
- Handling pagination and page breaks effectively

### Limitations

- Cannot hide headers or footers for specific pages

# How Frontend Can Contribute to HTML/CSS for BE Team's PDF Rendering

## Step 1: Create Static HTML Page

## Step 2: (Optionally) Create Template HTML Page Using Go Template

## Step 3: Provide Resources

- If using a static HTML page: Provide the BE team with all resources, including the example HTML page, CSS files, images, and printer options.
- If using a Go template: Open a PR in the BE repository and push all related files and resources to it. We will specify the exact location for these files later.

**Ideally**, We aim to have a unified CSS style and printer options for all PDF rendering to maintain consistency and ease of maintenance.

# Thank you

