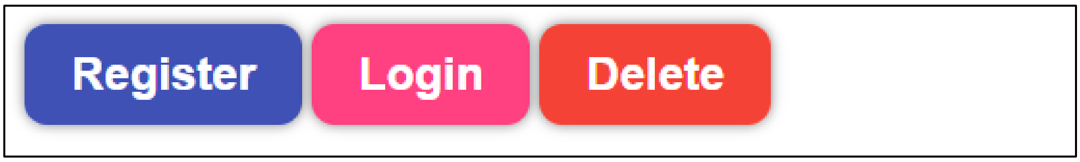
Web Components - Workshop

Problems for exercises and homework for the ["JavaScript Applications" course @ SoftUni.](https://softuni.bg)

The following tasks do not have tests in the Judge system. They are for practice.

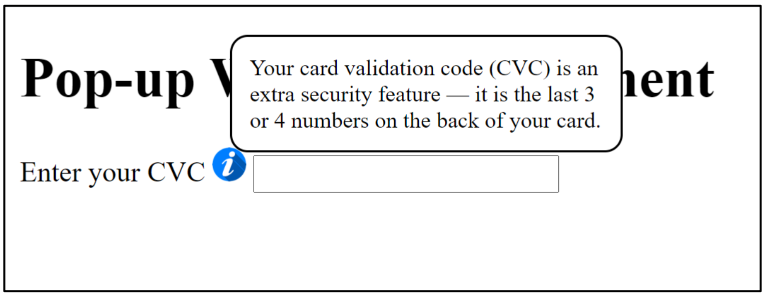
1. Custom Buttons

Create a custom button web component that accepts a **text** and **type** as attributes. The **type** is a **class**, which should be **primary**, **accent** or **warn:**



2. Popup Widget

Create a custom popup widget that accepts **popup text**, **source image** and **alternative image**. The text appears when the icon is **hovered**:



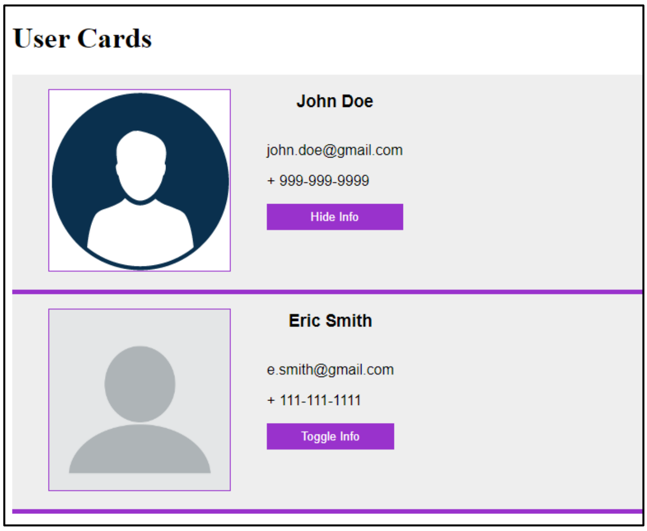
Pop-up W…ent

Your card validation code (CVC) is an extra security feature — it is the last 3 or 4 numbers on the back of your card.

Enter your CVC

3. User Cards

Create reusable user cards. Each receives **name**, **avatar**, **email** and **phone** (add the email and phone using **named slots**). The info should be **toggleable:**



User Cards

John Doe

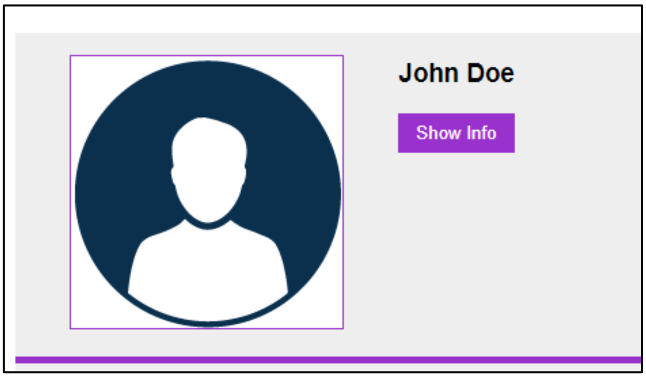
john.doe@gmail.com

+ 999-999-9999

Eric Smith

e.smith@gmail.com

+ 111-111-1111

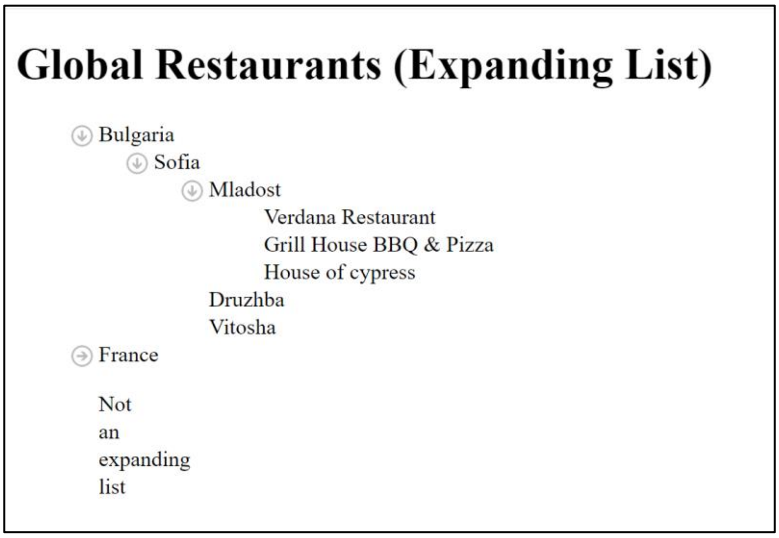


John Doe

4. Expanding List

Extend the functionality of an **unordered list** so it expands all the **list items inside**. The list should be able to **shrink** itself as well.

Demonstration here



Global Restaurants (Expanding List)

- Bulgaria
    - Sofia
        - Mladost
            - Verdana Restaurant
            - Grill House BBQ & Pizza
            - House of cypress
        - Druzhba
        - Vitosha
- France

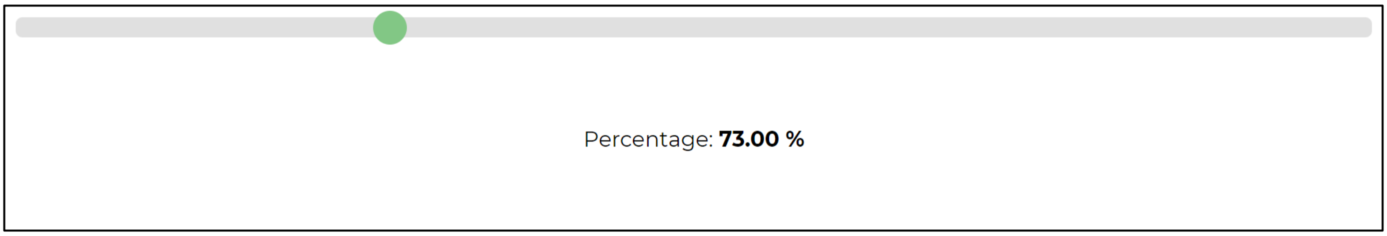
Not
an
expanding
list

5. Slider

Create a slide component, which could accept an **initial value** of the input and a **step** to increase it with. The slider should also calculate the **percentage** it is **full**. Optionally make it so that if **"inverted"** is passed as an **attribute**, the slider starts from **right** to **left**.

Normal demonstration here

Inverted demonstration here

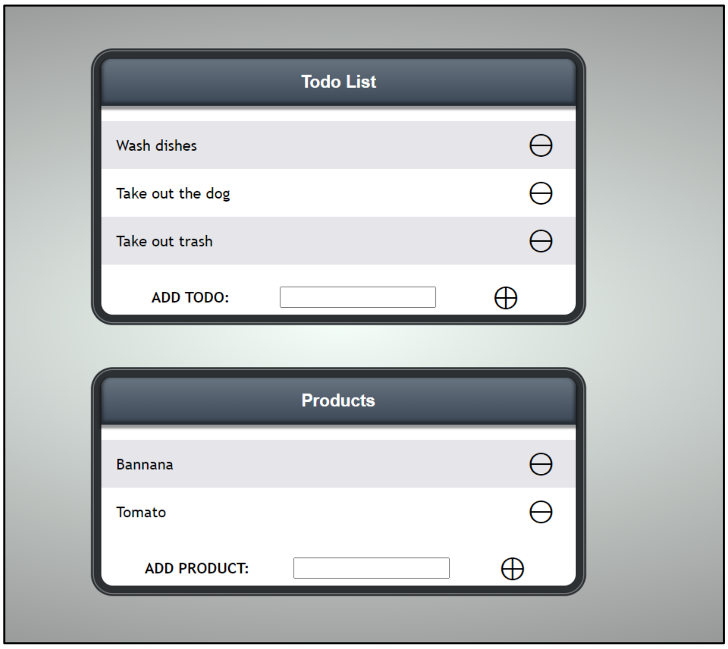


Percentage: **73.00 %**

6. Editable List

Create an editable list component that accepts a **main title**, an **initial amount** of list items and a **title** for the **input** below as **attributes**. The list should have the functionality to **add** and remove **items**. You **should not** be able to add an **empty** element.

Demonstration here



Todo List

Wash dishes ⊖

Take out the dog ⊖

Take out trash ⊖

ADD TODO: ⊕

Products

Bannana ⊖

Tomato ⊖

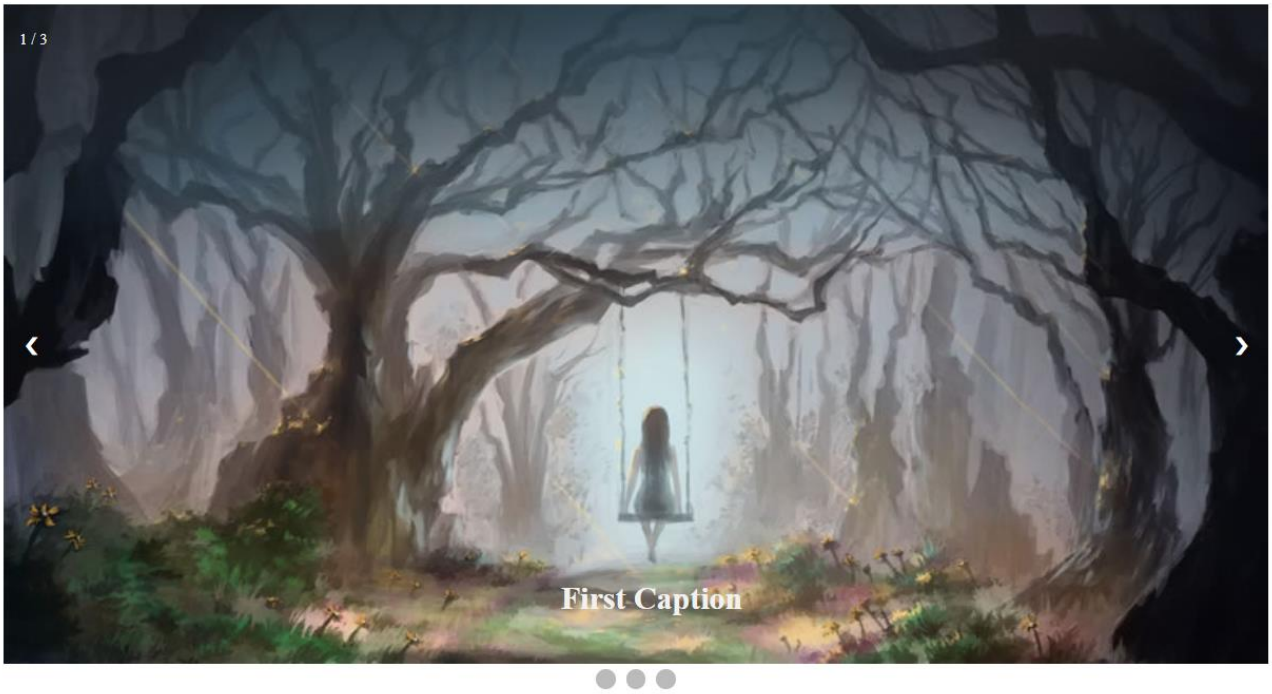
ADD PRODUCT: ⊕

7. Carousel

Create a slideshow carousel component that accepts **image URL's** and for each image there is a **caption** below as **attributes**. Each slideshow item should hold **image URL**, **caption text** and a **counter on the top left**.

Implement functionality to **switch between images**, by using the **left** and **right arrows**. If there **is not** another **right** element, start from the **beginning**. If there **is not** another **left** element start from the **end**. Below the carousel there should be **N number** of **dots** (**N** being the **passed in images**) that when **clicked** should select an image **directly**.

Demonstration here


1 / 3
‹
›
First Caption