



# Web Programming

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# Lab 7 – JavaScript

UI and DOM

# Problem 1. `querySelector()` Method

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Expand pre-written HTML code to:

- add a **background color** to the **first p** element in the document with **class = "example"**
- add a **red border** to the **first link** that has a **target attribute**
- change a **font size** and a **color** of the **first p** element in the document where the **parent is a div** element

when you click the Change button

# Problem 2. `querySelectorAll()` Method

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Expand pre-written HTML code to:

- add a **background color** to the **first p** element in the document with **class** = “example”
- change a **margin** and a **padding** and add a **border** of all elements with **class** = “example”
- add a **red border** and **remove** the **underline** to **all links** in the document with a **target attribute**
- change the **color** of all **h1** and **h2** elements with **class** = “Title”

when you click the Change button

# Problem 3. Progress Bar

Create a progress bar using JavaScript





# Problem 4. Create a To Do List

Use CSS and JavaScript to create a "to-do list" to organize and prioritize your tasks.

My To Do List	
<input type="text" value="Title..."/>	<input type="button" value="Add"/>
Hit the gym	×
✓ Marry	×
Meet Girl Friend	×
Buy eggs	×
Read a book	×
Organize room	×

# Problem 5. Gallery

Create a tabbed image gallery with CSS and JavaScript.

Note: click on a small image to expand it.



# Problem 6. Overlay

Create an overlay effect.

The screenshot displays the jQuery UI Popover plugin demo page. At the top, it says "jQuery plugin for responsive and accessible modal windows and tooltips" with "Download" and "View project on GitHub" buttons. Below this, it indicates "Currently v1.7.13". The main content area is titled "Demo" and features a navigation bar with buttons for "BASIC", "FADE", "FADE & SCALE", "SLIDE", "TOOLTIP", "CALLBACK EVENTS", and "...". The "FADE & SCALE" button is currently selected. Below the navigation bar, the "Features" section lists several key attributes of the plugin, including its CSS positioning, responsiveness, visibility, accessibility, device independence, and flexibility. The "Usage" section is partially visible at the bottom. A modal window titled "Fade & scale example" is open in the center, displaying two code blocks: a jQuery initialization script and a CSS rule for the popup. The modal also includes "Next example" and "Close" buttons.

jQuery plugin for responsive and accessible modal windows and tooltips

[Download](#) [View project on GitHub](#)

Currently v1.7.13

## Demo

[BASIC](#) [FADE](#) [FADE & SCALE](#) [SLIDE](#) [TOOLTIP](#) [CALLBACK EVENTS](#) [...](#)

## Features

- **Positioned with CSS:** Overlays are horizontally centered even if their height change.
- **Suitable for responsive web design:** Overlays have a flexible minimum and maximum width and height.
- **Always visible:** If the height of the overlay exceeds the viewport, the content is automatically enabled to prevent the off-screen content from being unreachable.
- **Accessible:** Keyboard navigable using **Tab** key. The layout, visibility, or position of the popup.
- **Device independent:** Works well on desktops, tablets, most modern phones and other devices. Optimized and tested in all modern browsers including IE7+, and in new versions of popular screen readers including JAWS, NVDA, and VoiceOver.
- **Flexible and customizable:** Supports multiple popup instances, custom CSS3 animations and transitions...

## Usage

```
<!doctype html>
<html lang="en">
```

### Fade & scale example

```
$('#fadeandscale').popup({
  transition: 'all 0.3s'
});

#fadeandscale {
  transform: scale(0.8);
}

.popup_visible #fadeandscale {
  transform: scale(1);
}
```

[Next example](#) [Close](#)



# Problem 7. Alert Messages

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Alert messages can be used to notify the user about something special: danger, success, information or warning.

Create alert messages.

**Danger!** Indicates a dangerous or potentially negative action.



**Success!** Indicates a successful or positive action.



**Info!** Indicates a neutral informative change or action.



**Warning!** Indicates a warning that might need attention.

