



PROJECT SPECIFICATION

Landing Page (Masterschool)

Interface and Architecture

CRITERIA	MEETS SPECIFICATIONS
Architecture	<p>The project should have a structure like the one shown below. All files shown must be present and the app must successfully render a home page with clear design and functionality added when index.html is loaded in the browser. No errors should display in console.</p>
	<pre>css - styles.css index.html js - app.js README.md</pre>
Usability	<ul style="list-style-type: none">• All features are usable across modern desktop, tablet, and phone browsers.• A Responsive layout of the landing page should be created to use across all devices.• Make sure that the navigation bar is responsive too across all these devices.• Responsiveness can be verified by inspecting the landing page using the Developer Tools option on Google Chrome Browser.

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Styling	<p>Both the <code>nav</code> element and the corresponding <code>section</code> element should have a class of <code>active</code> when:</p> <ul style="list-style-type: none">• the section is in the viewport while scrolling• the nav element is clicked, and the page automatically scrolls to the section element.
HTML Structure	There are at least 4 <code>section</code> elements on the page.
Subscription form	There is a subscription form at the bottom of the page.

Landing Page Behavior

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Navigation	<p>Navigation is built dynamically as an unordered list. Start with empty <code>ul</code> and dynamically build navigation using <code>Append</code>, <code>appendChild</code>, and <code>innerHTML</code>.</p>

CRITERIA	MEETS SPECIFICATIONS
Section Active State	<p>It should be clear which section is being viewed while scrolling through the page.</p> <p>Tip: Detect the element location relative to the viewport using <code>.getBoundingClientRect()</code> built-in function.</p>
Scroll to Anchor	<p>When clicking an item from the navigation menu, the link should scroll to the appropriate section. You can use the following methods to fulfill this criterion:</p> <ul style="list-style-type: none">• Use <code>addEventListener('click',...)</code> to listen to the click event.• Use <code>preventDefault()</code> as if there is a default event occurring we need to stop that.• There are several javascript methods for scrolling, <code>scroll()</code>, <code>scrollBy()</code>, and <code>scrollIntoView()</code> are all acceptable.• A smooth scrolling behavior is expected in the project.

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Collect and validate subscription data	<p>The subscription form collects data including:</p> <ul style="list-style-type: none">• name• email address <p>The information is verified via HTML form validation based on browser built-in pattern attribute or input types.</p> <p>The user is notified that the form submission was successful.</p>

Documentation

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README	<p>The ReadMe file should replace the given texts on the README template with specific information for this project. It doesn't have to be thorough, but should have some basic information, eg. project description, usage, dependencies, and use correct the markdown syntax.</p> <p>References: markdown guide and example of README contents</p>

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Comments	<p>Comments should be present at the beginning of each procedure and class.</p> <p>Bonus: Great to have comments before crucial code sections within the procedure. Refer to Udacity JavaScript Style Guide - Comments for standard best practices.</p>
Code Quality	<p>Code should be formatted with consistent, logical, and easy-to-read formatting.</p> <p>Tip: Carefully follow the best practices mentioned in the Code formatting section of the guide</p>

Suggestions to Make Your Project Stand Out!

See the "Suggested" items section in **Development Strategy** in the classroom.

- Hide fixed navigation bar while not scrolling (it should still be present on page load).
 - Hint: `setTimeout` can be used to check when the user is no longer scrolling.
- Add a scroll to top button on the page that's only visible when the user scrolls

below the fold of the page.

- Update/change the design/content.
- Make sections collapsible.