

Report : Individual Project 1

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Introduction

The project involves the creation of website enabling real estate property search within a given area.

The basic structure of the website includes the following in the **html head**

1. Uses a **Title** with a catchy phrase to gain attention within search engine searches
2. Has a **meta tag** with description about the website according to SEO standards
3. Has a **Favicon** image as logo
4. Has a link for CSS file.

The basic structure of the website includes the following in the **html body**

1. **Title** and description
2. **Navigation** menu with links to **Home, Sell, Buy, Build, Log in, Contact Us.**
3. **Form** section within the **Main** tag for **selecting the location, Type of property** and specific description search for the chosen property along with a **submit button.**
4. Listings section within the **Main** tag for the property images in an **image gallery** along with a **link** to open all top listings
5. An embedded **map** for location identification
6. **Footer** with a **form** for subscription along with a **submit button** and a section for follow us
7. Link for Java Script (JS)

Website Specification with respect to Course Objectives

The website is designed according to HTML5 och CSS3 standards.

1. With HTML5

1. HTML5 semantics are employed.
2. Accessibility is taken care of by using aria-label with a tags, alt with img tags and captions are used in forms using legend tag.

2. With CSS:

1. Custom font from google fonts is used,
2. Animation (hover) is used over links, images and on buttons
3. Pop-up is employed to show pop-up of contact details when contacts link is clicked with CSS alongwith a simple JS coding
4. Email and phone number submission are validated using CSS
5. Display using flex has been used in all sections
6. Positioning within containers is mainly done by using flex properties
7. Responsive design is done with @media query for screens only upto 500px wide

8. Relative and absolute positioning of elements are made during the process of responsive designing.
9. Flex elements are constantly changed with respect to flex-direction as rows or columns to adapt to responsive design. Flex basis, Flex grow and shrink properties are also employed
10. A background of fixed image with Z-index value is employed in the site on top which most of the web content is build.
3. **Responsive design** is applied to fit a screen size of 1400px upto 500px using css tricks
4. **SEO rules** are followed
5. With Java Script
 1. A hidden pop-up is employed using JS
 2. Email and telephone number input validation are done using the JS enabling appearance of error messages.
 3. JS functions are called upon by Input elements with oninput and onclick events

Summary

All the elements and criterias put forward in the project are met.