A PROJECT REPORT (KCS554H)

ON

ELEARNING-COMMUNITY WEBSITE

A report submitted in partial fulfilment of the requirement for the award of The
degree of

BACHELOR OF COMPUTER SCIENCE

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Abstract

eLearning -Community websites basically provides free code and tutorials These kinds of websites are open-source platforms where anyone can share their ideas,code,project and suggestions etc. Stack overflow is the perfect example of coding-community website where coders do share their codes and projects etc and solve very complex problems.
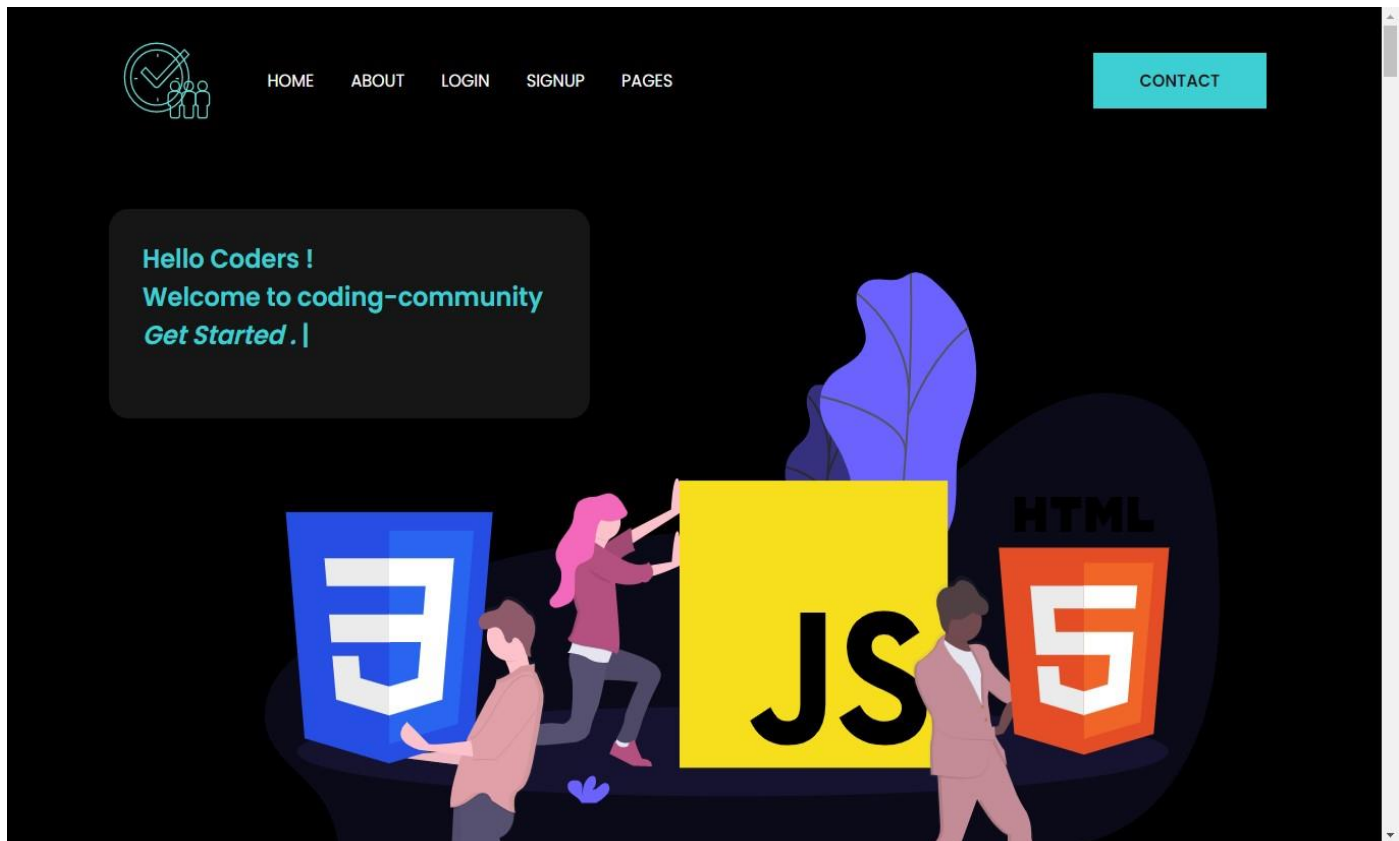
eLearning-Community www.elearning-community.com) is also an opensource platform website, which provides solutions to complex coding problems and provides free tutorials for beginners. And the main attraction of the website is that you can get free codes of different languages such as Java, C and python etc at one place.

INTRODUCTION

eLearning-Community is an open-source platform website, which provide solutions to complex coding problems in several languages and provide free tutorials for beginners, and it is built using more than 1500 lines of codes of HTML, CSS and a little bit of JavaScript. The main attraction of the website is that you can get free codes of different languages such as Java, C and python etc at one place.
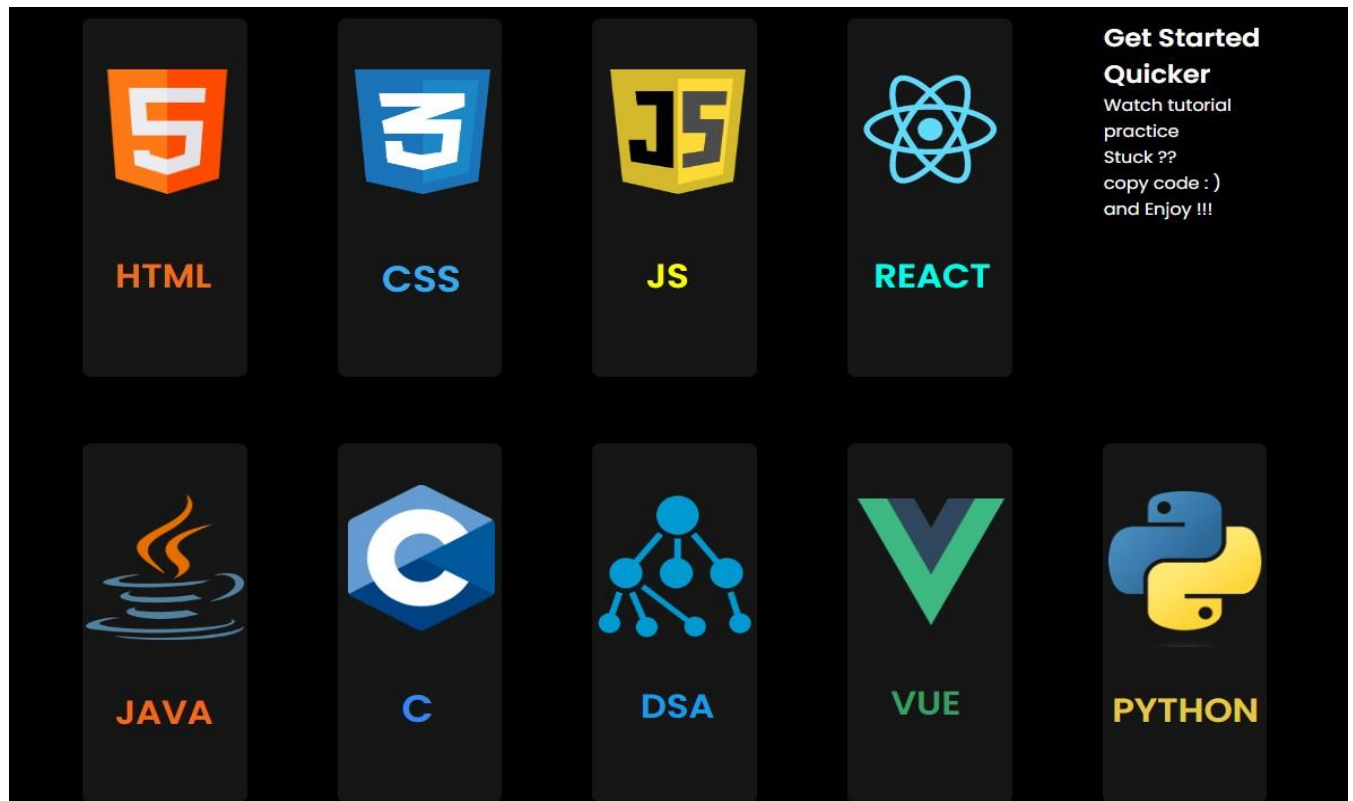
There are several other pages also provided to facilitate the users for ex-Login page, contact page, about page and sign up page .

FRONT PAGE

The front page consists of navbar and a contact button, navbar consist of many useful pages such as home, about, login, signup etc. Below navbar there is a welcome card and consist of some welcome moving text and after that a background image is used which is showing sign of some coding languages.
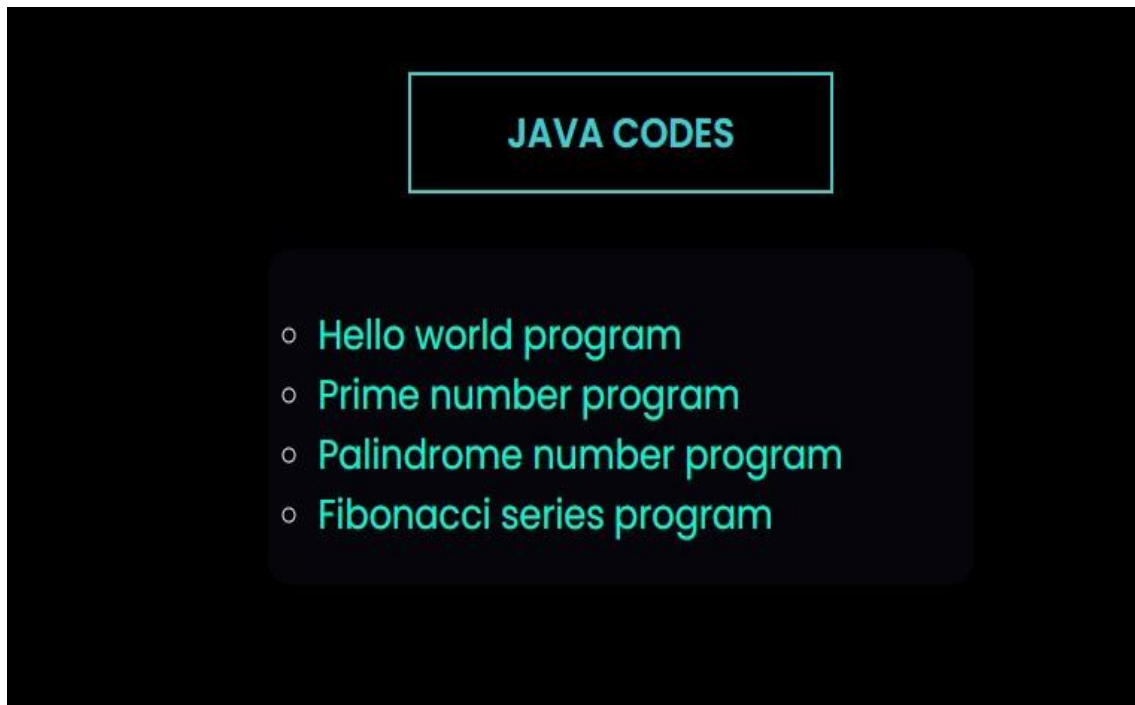
MAIN PAGE(HOME)

The main(home) page consist of several cards on which names of different programming languages are written such as Java, c etc. On clicking a card user will be directed to the respected pages of that language and user can access codes that respected language.

Code Lists

In coding lists there are many program names in a sequence, and each list item is linked to their respected pages. For ex- on clicking hello world program user will be redirected to hello world program page.

CODE PAGES

In code pages users will be able to find several codes with their outputs. And users will be also able to copy the code for their projects. For ex- code of Fibonacci series with output: -

Fibonacci series

```java
public class Fibonacci {
    public static void main(String[] args) {
        int a = 0;
        int b = 1;
        int n = 7;
        System.out.printf("0\t");

        for(int i = 0; i < n; i++){
        int c = a+b;
        b = a;
        a = c;
        System.out.printf("%d\t",c);
            }
        }
    }
```

Output :

```
0    1    1    2    3    5    8    13
```

Other Pages

Other pages on the website are provided to facilitate the users for exLogin page, contact page, about page and sign-up page.

Login Page

Properties (CSS) used

There are many properties of CSS used in building the eLearning community website. Let's see some main properties: -

Transform: -

The **transform** [CSS](#) property lets you rotate, scale, skew, or translate an element. It modifies the coordinate space of the CSS [visual](#) [formatting](#) [model](#). And it is used in the main page of the website.

Linear Gradient: -

The linear-gradient() function sets a linear gradient as the background image.

To create a linear gradient, you must define at least two-color stops. Color stops are the colors you want to render smooth transitions among. You can also set a starting point and a direction (or an angle) along with the gradient effect.

This property is used in the login page of the eLearning -community website.

Flexbox: -

The flexbox or flexible box model in CSS is a one-dimensional layout model that has flexible and efficient layouts with distributed spaces among items to control their alignment structure i.e.., it is a layout model that provides an easy and clean way to arrange items within a container.

This property is used everywhere in eLearning -community website.

Box Shadow: -

The box-shadow CSS property adds shadow effects around an element's frame. You can set multiple effects separated by commas. A box shadow is described by X and Y offsets relative to the element, blur and spread radius, and color. The boxshadow property enables you to cast a drop shadow from the frame of almost any element. This property is mainly used in buttons of signup and contact pages.

Box-sizing: -

The CSS box-sizing property allows us to include the padding and border in an element's total width and height. This property is used in the root element using universal selector.

CONCLUSION

eLearning -Community is an open-source platform website, which provide solutions to complex coding problems in several languages and provide free tutorials for beginners,

The report is based on a final project on web technologies in which I have explained how the full website is built using several properties of CSS.