

A Project Report
on
StudyDart: Solution for E-Learning

*Submitted in partial fulfillment of the
requirement for the award of the degree of*

Bachelor of Technology



(Established under Galgotias University Uttar Pradesh Act No. 14 of 2011)

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INDIA
DECEMBER 2021**



**SCHOOL OF COMPUTING SCIENCE AND
ENGINEERING
GALGOTIAS UNIVERSITY, GREATER NOIDA**

CANDIDATE'S DECLARATION

I/We hereby certify that the work which is being presented in the thesis/project/dissertation, entitled **“STUDYDART: AN E-LEARNING SOLUTION”** in partial fulfillment of the requirements for the award of the B.Tech submitted in the School of Computing Science and Engineering of Galgotias University, Greater Noida, is an original work carried out during the October 2021 to December 2021, under the supervision of DR. A. SURESH KUMAR, Department of Computer Science and Engineering/Computer Application and Information and Science, of School of Computing Science and Engineering , Galgotias University, Greater Noida

The matter presented in the thesis/project/dissertation has not been submitted by me/us for the award of any other degree of this or any other places.

VAIBHAV SINGH (18SCSE1140011)
BAIBHAW KUAR SINGH (18SCSE1010078)

This is to certify that the above statement made by the candidates is correct to the best of my knowledge.

Supervisor Name
Designation

CERTIFICATE

The Final Thesis/Project/ Dissertation Viva-Voce examination of **VAIBHAV SINGH(18SCSE1140011) and BAIBHAW KUMAR SINGH (18SCSE1010078)** has been held on **StudyDart: An E-Learning Solution** and his/her work is recommended for the award of B.Tech.

Signature of Examiner(s)

Signature of Supervisor(s)

Signature of Project Coordinator

Signature of Dean

Date:

Place: Greater Noida

Abstract

The research paper deals with the learning techniques required for computers and its neighbour learning. The educational institutes in India are still in light of using customary techniques and conventional set up of teaching computers and learning programming. The unexpected flare-up of a lethal sickness called Covid-19 brought about by a Corona Infection (SARS-CoV-2) shook the whole world. The World Health Organization announced it as a pandemic. The present circumstance constrained the world (*learners*) to move to a web-based method of learning for the time being.

Numerous learners who were afraid or hesitant of trying out the online learning had to change their conventional learning methodology and were left with no choice except for to move altogether towards online learning or e-learning.

The paper incorporates the significance of e-learning, its Strengths & Weaknesses, and the challenges to make the e-learning more fruitful to the learners. The article additionally put some light on the development of EdTech Start-ups started prior to the pandemic and learning how they solved the major learning problems during the time of Covid-19 pandemic. Further, the report talks about the example-based learning which can transform the overall learning experience and would increase the knowledge of the subject. HTML, CSS, JAVASCRIPT and MySQL are the primary tools that would be used in making of this project..

Example based learning is an educational strategy that can assist and will encourage practical thinking by furnishing students with instances of live cases and their administration. Model based learning has been demonstrated to be more compelling when students self-clarify the material being learned. Later the MERN Stack will be used to implement the revised version of the platform to add futuristic elements to the platform

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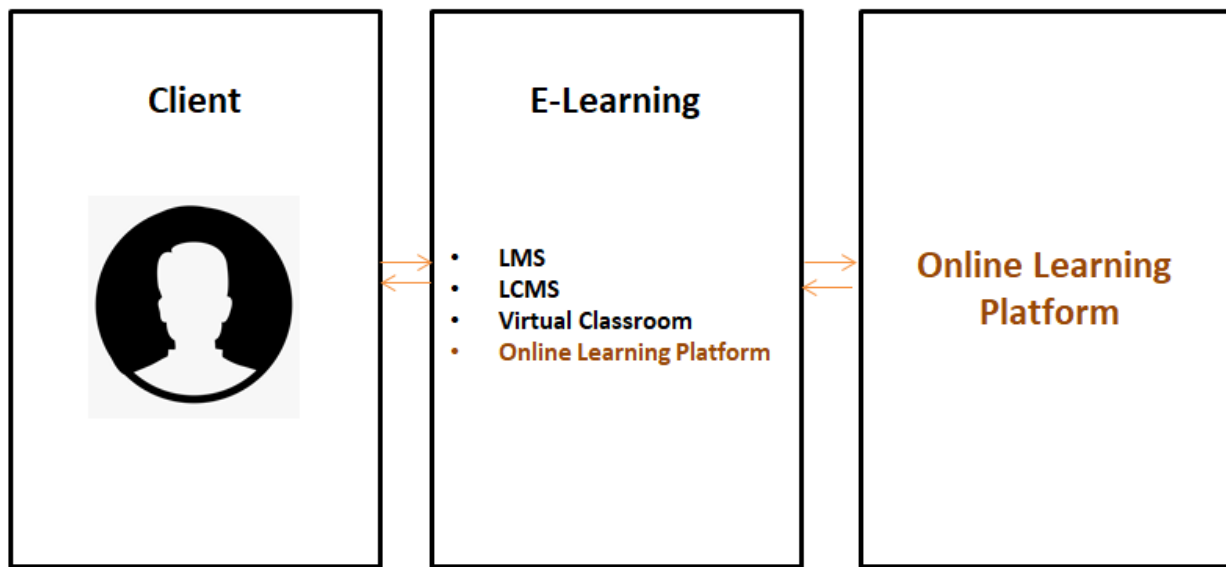
Acronyms

B.Tech.	Bachelor of Technology
M.Tech.	Master of Technology
BCA	Bachelor of Computer Applications
MCA	Master of Computer Applications
B.Sc. (CS)	Bachelor of Science in Computer Science
M.Sc. (CS)	Master of Science in Computer Science
SCSE	School of Computing Science and Engineering

CHAPTER-1 Introduction

The significance of modern electronic technologies, such as the Internet, to the development of advanced electronic technologies for e-learning is being rapidly increasing. In recent years, there has been a tremendous growth in educational attainment.

For e-learning systems to be successful, effective, and of comparable quality to some of the older learning methods, there was a must requirement to use Internet Technologies in its full capacity. Electronic learning systems, or the e-learning system, must be carefully designed and built using a scientific approach that incorporates well-defined methods and techniques of both teaching and learning.



Objective

To Develop an Online Learning Platform that works on the model of Example-Based Learning.

Problem Statement

Out of many online learning platforms available on the Internet, there are very few which focus on real-time example based learning. StudyDart is supposed to be bundling real-time examples with tutorials for the practical growth of the learner.

TOOLS AND TECHNOLOGY USED:

A. HTML

What I had to take in mind prior to starting the project was accessibility issues and web standards. I had written a strict XHTML file that contains two sections - one list section for the flag buttons and another for the modification buttons. One major concern of web accessibility is the use of images.

It is considered best practice to add “alt” and “title” attributes for users who cannot distinct images. For example the image of the German flag has a title “Deutsch” and alt attribute set to “German flag”. The **lang** attribute is also set as english (lang=“en”) in order to inform the browser of the default human language of the script, which is essential for the proper reading of the web page by certain technologies for the disabled.

B. CSS

The main styling is stored in an external spreadsheet, although the HTML DOM style object has also been used to change some settings while the JavaScript is being loaded. For example the Save button for the edit module has set visibility 8 to “hidden” in the external stylesheet, but the property changes to “visible” when the edit button is clicked to avoid potential confusion. Another method I have used to change properties inside JS is the jQuery .css() method. I have found it to be effective in changing background and border properties of objects.

C. JAVASCRIPT

All functionality of the modules has been programmed in JavaScript, including jQuery and AJAX. jQuery is a fast and small JavaScript library that offers many useful features that make event handling among other things much simpler with an easy-to-use API that works across a multitude of browsers.

AJAX, though not another programming language or library is a way of using existing standards. It is the art of exchanging data with a server and updating parts of a web page, without the need to reload the entire web page. As AJAX was already used to dynamically load data for the Trace-Me Assistant, I have found certain AJAX event handlers in jQuery to be useful for my application. I used the jQuery.ajax() handler which performs an asynchronous HTTP (ajax) request.

The request is sent to the translation library (or the json file) leading to the creation of a JSON object upon success. The object, stored in a variable called libData will be further used to refer to text values in the application. The idea of the edit module is that once the user decides they want to change the screen text of a web page, all of the text values would become editable by a single button click. For this purpose, the following actions need to occur:

- Collect all HTML tags on the web page and store them in variables
- Perform a check if each tag contains text
- Highlight the tags with found text values upon mouse hover
- Wrap the text inside a text box and allow modification
- Distinct the modified text from the unmodified (e.g. Outline the text box);

The functionality of the back-end office modifications would be exactly the same with the only difference that the changes will be made permanent. It would be possible to reset default(old) values, however that would mean not only changing data but adding more to the database. This could bring up some complications, the most obvious one being processing time.

CHAPTER-2 Literature Survey/Project Design

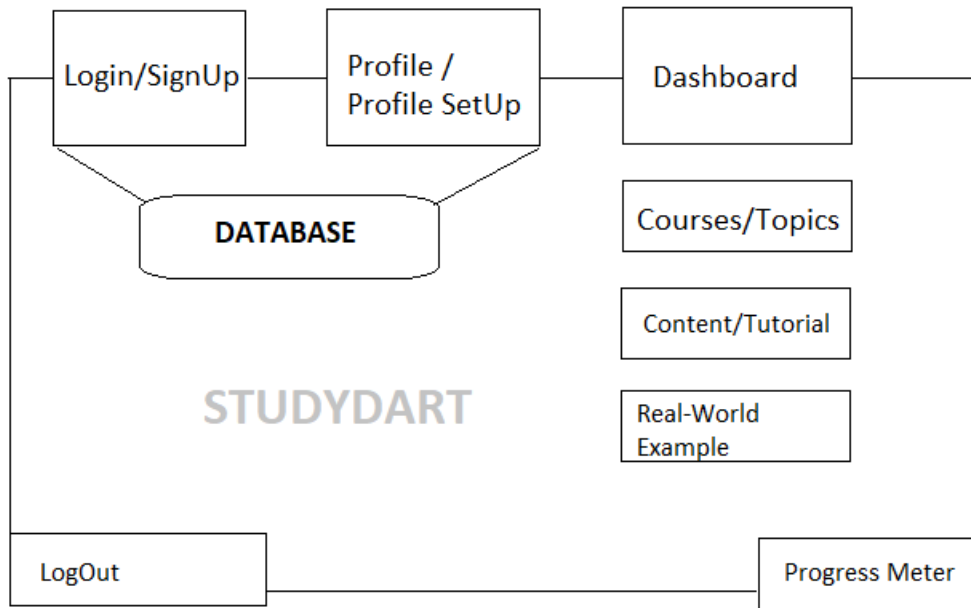
Theory of E-Learning:

The reasonable structure and a few hypotheses of e-learning are examined to give a superior comprehension of e-picking up including distance learning. The reason for connecting Distance learning is that e-learning is an fundamental piece of distance learning.

The customary view is that live preparing is the main reasonable method for conveying deals and the executives preparing. Organizations neglect to consider distance learning as another option or on the other hand, expansion to, so the executives and staff improvement projects can be considerably more powerful.

The major benefits of distance learning are adaptability, cost investment funds, and that's just the beginning proficient utilization of time and staff inspiration. It can be more powerful ± individuals learn at their own speed and hold more data, staff are undeniably bound to acknowledge possession and students are more proactive.

Project Design:



Chapter 3 **Functionality/Working of Project**

The Web webpage details ought to incorporate clear and organized documentation on the site's prospects, search administration, refreshed documentation on the understudies, and collaboration spaces shared work area, checking individuals, online explanations, news gatherings, mailing records, versatile interface, correspondence of occasions, glossary of terms, electronic release, programming archive, documentation).

1. Login/Register:

As soon as the user enters the platform, he/she will be prompted with a Login/Signup Page. Existing users can login using their mobile phone, email Id or the Google Account. Same can be used to Signup for the Platform. The Firebase API will be used to create Login and Signup Process.

```
$session->login()
```

Email

focus001@gmail.com

Password

8+ characters



Login

Create account with



2. Dashboard:

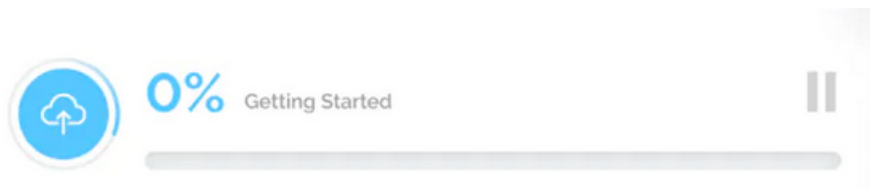
Users can use Dashboard to find their favourite courses/topics and enrol themselves in. The Course would be appearing on the Dashboard along with some basic details like author of the course, its price (if not free), about the course etc.

3. Tutorial:

The Tutorial will compromise of two parts: The Content and the real-world example. As soon as the user will complete a tutorial, he will gain the practical knowledge of completing a real-world development task on the very next step.

4. Progress Bar:

The progress bar will help user to know how much topics he/she has covered and what percentages is still left.



5. LogOut:

```
$session->logout()
```

COMPONENTS OF STUDY DART

1) NAVVIGATION BAR

[Python](#)[C++](#)[HTML](#)[CSS](#)[JavaScript](#)

Source Code:

HTML

```
1.     <nav class="navbar h-nav-resp ">
2.
3.     <div class="nav-list" >
4.         <div class="logo">
5.             
6.
7.         </div>
8.         <input class="search-bar" placeholder="Search..." type="text">
9.         <a href="#" class="search-btn">
10.            <i class="fas fa-search"></i>
11.        </a>
12.        <div class="ul v-class-resp">
13.            <ul>
14.                <li class="mobile-home-btn"> <a href="#home"> Home </a></li>
15.                <li> <a href="/Tutorials/Python-Tutorial/Python-Introduction.html"> Python
16.                <li> <a href="#home"> C++ </a></li>
17.                <li> <a href="#home"> HTML </a></li>
18.                <li> <a href="#home"> CSS </a></li>
19.                <li> <a href="#home"> JavaScript </a></li>
20.
21.                <li> <a href="" class="home-button">
22.                    <i class="fas fa-home"></i>
23.                </a> </li>
24.
25.            </ul>
26.
27.        </div>
28.        <div class="burger">
29.            <i class="fas fa-bars"></i>
30.        </div>
31.    </div>
32. </nav>
```

CSS Code:

```
.burger {
  position: absolute;
  cursor: pointer;
  left: 85%;
  top: 15px;
  display: none;
}

.logo {
  width: 30%;
  margin-left: 10px;
}

.logo img {
  width: 110px;
  margin-left: 10px;
  margin-top: 6px;
}

.navbar {
  display: flex;
  background-color: white;
  height: auto;
  position: fixed;
  box-shadow: 0 2px 4px rgba(0, 0, 0, .1), 0 8px 16px rgba(0, 0, 0, .1);
}

.nav-list {
  display: flex;
}

.nav-list ul {
  display: flex;
  list-style: none;
  padding-left: 50px;
  font-weight: 500;
}

.nav-list li a {
  height: 45px;
  width: 80px;
  justify-content: left;
  align-items: left;
}
```

```
.nav-list ul a {
  display: flex;
  text-decoration: none;
  padding-left: 20px;
  padding-top: 25px;
  color: black;
  font-weight: 500;
  font-size: 18px;
}

.mobile-home-btn {
  display: none;
}

.nav-list ul a:hover {
  display: flex;
  text-decoration: none;
  padding-left: 20px;
  padding-right: 20px;
  background-color: #414241;
  color: white;
  font-weight: 500;
}

.nav-list ul a:active {
  display: flex;
  text-decoration: none;
  padding-left: 20px;
  padding-right: 20px;
  background-color: #ff1726;
  color: white;
  font-weight: 500;
}

.search-bar {
  border-radius: 20px;
  margin-left: 20px;
  margin-top: 13px;
  height: 40px;
  width: 400px;
  margin-left: 20px;
  padding-left: 10px;
  color: black;
  border: 1px solid #f0f2f5;
  background-color: #f0f2f5;
}
```

```
}
```

```
.search-bar:focus {  
  border: none;  
  background-color: #f0f2f5;  
  width: 600px;  
}
```

```
.search-btn {  
  color: #e84118;  
  float: right;  
  width: 40px;  
  height: 40px;  
  margin-top: 25px;  
  margin-left: 3px;  
  
  display: float;  
  justify-content: center;  
  align-items: center;  
}
```

```
.home-button a {  
  color: #e84118;  
  float: right;  
  width: 40px;  
  height: 40px;  
  margin-top: 25px;  
  margin-left: 30px;  
  font-size: 50px;  
}
```

```
.home-button {  
  margin-left: 30px;  
  color: #e84118;  
}
```


EAT-CODE-REPEAT

Get Started with our Free HTML, CSS and JavaScript Program

Get Started!

```
<!DOCTYPE html>
<html lang="en">
<title>HTML Tutorial </title>
<body>
<h1>StudyDart</h1>
<p>Imagine Beyond Sky</p>
</body>
</html>
```

Continue Tutorial

Result

1

2

3

Clear

4

5

6

/

7

8

9

x

+

0

-

=

Make a Calculator From Scratch

Learn!

Skills Required: HTML, CSS and JavaScript

Table of Content

- Introduction to Python
- Python Environment Setup
- Python Data Types
- Python Numbers
- Python Casting
- Python Strings
- Python Booleans
- Python Operators

Introduction to Python

1. Python is a High-level programming language
2. Python is easy to Read, Learn and Write

See the Example below:

```
print("Hello, World!")
```

Run the Code

Reset

Output:

Let's Try

Write anything in the Blank Box and Click on the "Run the Code" Button

```
print(" ");
```

Run the Code

How to Learn Python?

1. Navigate to the Python Section on StudyDart.
2. Take all the Tutorials step-by-step.
3. Do not Skip any Example.
4. Notes for Each Tutorial are provided at the end of the lesson.
5. Solve the MCQ Quizzes and Hands-On Problems.
6. Revise!

OR



@2499-Rs/-

Buy Course

@999 Rs/- Only

Left Navigation Bar:

Table of Content

Introduction to Python

Python Environment Setup

Python Data Types

Python Numbers

Python Casting

Python Strings

Python Booleans

Python Operators

Right Navigation Bar:

How to Learn Python?

1. Navigate to the Python Section on StudyDart.
2. Take all the Tutorials step-by-step.
3. Do not Skip any Example.
4. Notes for Each Tutorial are provided at the end of the lesson.
5. Solve the MCQ Quizzes and Hands-On Problems.
6. Revise!

OR



@2499 Rs/-

Buy Course

@999 Rs/- Only

Content Area:

Introduction to Python

1. Python is a High-level programming language
2. Python is easy to Read, Learn and Write

See the Example below:

```
| print("Hello, World!")
```

Run the Code

Reset

| Output:

Let's Try

Write anything in the Blank Box and Click on the "Run the Code" Button

```
| print("  ");
```

Run the Code

Reset

RUN CODES WITH EXAMPLE:

Write anything in the Blank Box and Click on the "Run the Code" Button

```
| print("  ");
```

Run the Code

Reset

Output: Galgitias University

HTML Code

```
<h1> Right side is the Live Code Editor </h1>
```

Right side is the Live Code Editor

CSS Code

```
h2{color:blue;}
```

RESPONSIVE DESIGN:

Introduction to Python

1. Python is a High-level programming language
2. Python is easy to Read, Learn and Write

See the Example below:

```
| print("Hello, World!")
```

Run the Code

Reset

| Output:

Let's Try

Write anything in the Blank Box and Click on

Complete Source Code:

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="css/index.css">
  <link rel="stylesheet" href="css/responsive.css">
  <script defer src="https://use.fontawesome.com/releases/v5.0.6/js/all.js">
</script>
  <script src="https://kit.fontawesome.com/afd6aa68df.js"
crossorigin="anonymous"></script>
  <title>Home | StudyDart</title>
</head>
<body>

  <nav class="navbar h-nav-resp ">

  <div class="nav-list" >
    <div class="logo">
      

    </div>
    <input class="search-bar" placeholder="Search..." type="text">
    <a href="#" class="search-btn">
      <i class="fas fa-search"></i>
    </a>
    <div class="ul v-class-resp">
    <ul>
      <li class="mobile-home-btn"> <a href="#home"> Home </a></li>
      <li> <a href="/Tutorials/Python-Tutorial/Python-Introduction.html">
Python </a></li>
```

```
<li> <a href="#home"> C++ </a></li>
<li> <a href="#home"> HTML </a></li>
<li> <a href="#home"> CSS </a></li>
<li> <a href="#home"> JavaScript </a></li>
```

```
<li> <a href="" class="home-button">
  <i class="fas fa-home"></i>
</a> </li>
```

```
</ul>
```

```
</div>
```

```
<div class="burger">
  <i class="fas fa-bars"></i>
```

```
</div>
```

```
</div>
```

```
</nav>
```

```
<section class="first">
```

```
  <div class="first-left">
```

```
    <h2 class="first-h2">EAT-CODE-REPEAT</h2>
```

```
    <P class="first-p1">Get Started with our Free HTML, CSS and JavaScript
Program</P>
```

```
    <button class="first-button1">Get Started!</button>
```

```
  </div>
```

```
  <div class="first-right">
```

```
    <div class="first-right-content">
```

```
      <div class="first-right-html">
```

```
        <br>
```

```
        &lt;span class="brown-text">!DOCTYPE</span> <span class="green-text">
html</span>&gt; <br>
```

```
        &lt;span class="green-text">html lang </span>="en"&gt; <br>
```

```
        &lt;span class="green-text">title</span>>HTML Tutorial &lt;span
class="green-text">/title</span>&gt;<br>
```



```
&lt;span class="green-text">body</span>&gt; <br>
```

```
&lt;span class="green-text">h1</span>&gt;StudyDart&lt;span  
class="green-text">/h1</span>&gt; <br>
```

```
&lt;span class="green-text">p</span>&gt;Imagine Beyond Sky&lt;span  
class="green-text">p</span>&gt; <br>
```

```
&lt;span class="green-text">/body</span>&gt; <br>
```

```
&lt;span class="green-text">/html</span>&gt; <br>  
</div>
```

```
<button class="first-right-continue-button">
```

```
  Continue Tutorial
```

```
</button>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
<section class="section-two">
```

```
<div class="mini-calculator">
```

```
<div class="result">
```

```
<textarea id="resultarea" label="Result" placeholder="000"> Result  
</textarea>
```

```
</div>
```

```
<div class="calc-part">
```

```
<div class="numbers">
```

```
<button type="button" id='1' > 1 </button >
```

```
<button type="button" id='2' > 2 </button >
```

```
<button type="button" id='3' > 3 </button >
```

```
<button type="button" id='4' > 4 </button >
```

```
<button type="button" id='5' > 5 </button >
```

```
<button type="button" id='6' > 6 </button >
```

```
<button type="button" id='7' > 7 </button >
```

```
<button type="button" id='8' > 8 </button >
```

```
<button type="button" id='9' > 9 </button >
<button type="button" id='sum' > + </button >
<button type="button" id='zero'> 0 </button >
<button type="button" id='minus'> - </button >
</div>
<div class="Operations">
  <button type="button" id='backspace' > Clear </button >
  <button type="button" id='division' > / </button >
  <button type="button" id='multiplication' > x </button >
  <button type="button" id='equal'> = </button >
</div>
```

```
<div class="calc-content">
  <h2>Make a Calculator From Scratch</h2>
  <button>Learn!</button>
  <p>Skills Required: HTML, CSS and JavaScript</p>
```

```
</div>
</div>
```

```
</div>
</section>
```

```
<section class="footer">
  <center><p> © StudyDart 2021 | Imagine Beyond Sky</p></center>
</section>
</body>
<script src="JS/index.js"> </script>
<script src="JS/resp.js"> </script>
<script src="JS/calc.js"> </script>
</html>
```

2. CSS

```
* {
  margin: 0;
  padding: 0;
```

```
font-family: Calibri;
width: 100%;
}
```

```
body {
background-color: #f0f2f5;
display: flex;
flex-direction: column;
}
```

```
.burger {
position: absolute;
cursor: pointer;
left: 85%;
top: 15px;
display: none;
}
```

```
.logo {
width: 30%;
margin-left: 10px;
}
```

```
.logo img {
width: 110px;
margin-left: 10px;
margin-top: 6px;
}
```

```
.navbar {
display: flex;
background-color: white;
height: auto;
position: fixed;
box-shadow: 0 2px 4px rgba(0, 0, 0, .1), 0 8px 16px rgba(0, 0, 0, .1);
}
```

```
.nav-list {
display: flex;
```

```
}
```

```
.nav-list ul {  
  display: flex;  
  list-style: none;  
  padding-left: 50px;  
  font-weight: 500;  
}
```

```
}
```

```
.nav-list li a {  
  height: 45px;  
  width: 80px;  
  justify-content: left;  
  align-items: left;  
}
```

```
}
```

```
.nav-list ul a {  
  display: flex;  
  text-decoration: none;  
  padding-left: 20px;  
  padding-top: 25px;  
  color: black;  
  font-weight: 500;  
  font-size: 18px;  
}
```

```
}
```

```
.mobile-home-btn {  
  display: none;  
}
```

```
}
```

```
.nav-list ul a:hover {  
  display: flex;  
  text-decoration: none;  
  padding-left: 20px;  
  padding-right: 20px;  
  background-color: #414241;  
  color: white;  
  font-weight: 500;  
}
```

```
}
```

```
.nav-list ul a:active {  
  display: flex;  
  text-decoration: none;  
  padding-left: 20px;  
  padding-right: 20px;  
  background-color: #ff1726;  
  color: white;  
  font-weight: 500;  
}
```

```
.search-bar {  
  border-radius: 20px;  
  margin-left: 20px;  
  margin-top: 13px;  
  height: 40px;  
  width: 400px;  
  margin-left: 20px;  
  padding-left: 10px;  
  color: black;  
  border: 1px solid #f0f2f5;  
  background-color: #f0f2f5;  
}
```

```
.search-bar:focus {  
  border: none;  
  background-color: #f0f2f5;  
  width: 600px;  
}
```

```
.search-btn {  
  color: #e84118;  
  float: right;  
  width: 40px;  
  height: 40px;  
  margin-top: 25px;  
  margin-left: 3px;
```

```
display: float;
justify-content: center;
align-items: center;
}
```

```
.home-button a {
color: #e84118;
float: right;
width: 40px;
height: 40px;
margin-top: 25px;
margin-left: 30px;
font-size: 50px;
}
```

```
.home-button {
margin-left: 30px;
color: #e84118;
}
```

```
/* Body - Top Content */
```

```
.first {
background-color: #3c3f42;
margin-top: 100px;
height: 400px;
display: flex;
}
```

```
.first-left {
width: 50%;
}
```

```
.first-right {
width: 50%;
}
```

```
.first-h2 {  
  color: white;  
  font-size: 40px;  
  margin-left: 190px;  
  margin-top: 100px;  
  letter-spacing: 2px;  
}
```

```
.first-p1 {  
  color: white;  
  margin-left: 160px;  
  margin-top: 10px;  
}
```

```
.first-button1 {  
  height: 40px;  
  width: 200px;  
  margin-left: 245px;  
  margin-top: 14px;  
  border-radius: 30px;  
  border: none;  
  font-size: 17px;  
}
```

```
.first-right-content {  
  height: 300px;  
  width: 500px;  
  background-color: white;  
  margin-top: 50px;  
  border-radius: 30px;  
  border-left: 5px solid #ed6b44;  
  background-color: #e7e9eb;  
}
```

```
.first-right-html {  
  padding-left: 40px;  
  background-color: white;
```

```
line-height: 25px;
height: 200px;
padding-bottom: 30px;
width: 400px;
margin-left: 20px;
border-radius: 20px;
}
```

```
.first-right-continue-button {
height: 40px;
width: 200px;
margin-left: 245px;
margin-top: 14px;
border-radius: 30px;
border: none;
font-size: 17px;
background-color: #ed6b44;
color: white;
}
```

```
/* INTERNAL HTML CSS */
```

```
.brown-text {
color: brown;
}
```

```
.green-text {
color: #ed6b44;
}
```

```
/* Body Second Section Heading */
```

```
.second-section-heading {
height: 70px;
width: 100%;
}
```

```
.second-section-heading h2 {
padding-left: 20px;
```



```
height: 70px;
width: 100%;
font-size: 28px;
padding-top: 15px;
margin-left: 30px;
}
```

```
/* Body Second Section Content */
```

```
.second-section-heading {
padding: 0px;
}
.second {
margin-top: 15px;
height: 300px;
width: 100%;
background-color: rgb(237, 238, 203);
}
```

```
.second-content-area {
margin-top: 20px;
margin-left: 40px;
display: flex;
}
```

```
.second-ka-first {
height: 250px;
width: 250px;
margin-left: 0px;
background-color: white;
border-radius: 50%;
}
```

```
.second-ka-first img {
height: 250px;
width: 250px;
opacity: 1;
```

```
}
```

```
.second-ka-second {  
  height: 250px;  
  width: 250px;  
  margin-left: 50px;  
  background-color: white;  
  border-radius: 50%;  
}
```

```
.second-ka-second img {  
  height: 250px;  
  width: 250px;  
  opacity: 1;  
}
```

```
.second-ka-third {  
  height: 250px;  
  width: 250px;  
  margin-left: 50px;  
  background-color: white;  
  border-radius: 50%;  
}
```

```
.second-ka-third img {  
  height: 250px;  
  width: 250px;  
}
```

```
.second-ka-forth {  
  height: 250px;  
  width: 250px;  
  margin-left: 50px;  
  background-color: white;  
  border-radius: 50%;  
}
```

```
.second-ka-forth img {
```

```
height: 250px;
width: 250px;
opacity: 1;
}

.second-ka-fifth {
height: 250px;
width: 250px;
margin-left: 50px;
background-color: white;
border-radius: 50%;
}

.second-ka-fifth img {
height: 250px;
width: 250px;
opacity: 1;
}
/* Footer */

.footer {
height: 70px;
background-color: rgb(29, 29, 29);
}

.footer p {
color: white;
margin-top: 30px;
}

/* Section - Two */

.section-two {
background-color: rgb(253, 250, 69);
}

.mini-calculator {
margin-top: 10px;
```

```
width: 300px;
margin-left: 20px;
background-color: #e7e9eb;
box-shadow: 0 2px 4px rgba(0, 0, 0, .1), 0 8px 16px rgba(0, 0, 0, .1);
border-radius: 30px;
}
```

```
.calc-part {
  display: flex;
}
.mini-calculator button {
  width: 50px;
  height: 50px;
  margin-top: 5px;
  margin-left: 10px;
  cursor: pointer;
  background-color: white;
  border-radius: 15px;
}
```

```
.numbers {
  margin-top: 10px;
  display: inline-grid;
  grid-template-columns: auto auto auto;
  padding: 10px;
}
```

```
.result {
  margin-top: 30px;
  margin-left: 16px;
}
```

```
.result textarea {
  width: 260px;
  height: 40px;
  border-radius: 10px;
  color: #3c3f42;
```

```
margin-top: 30px;
}
```

```
.Operations {
margin-top:10px;
display: inline-grid;
padding: 10px;
}
```

```
.calc-content {
margin-left: 400px;
width: 300px;
position: absolute;
background-color: white;
padding: 50px;
text-align: center;
border-radius: 30px;
}
```

```
.calc-content button {
height: 40px;
width: 180px;
color: white;
background-color: black;
border: none;
}
```

```
.calc-content p {
margin-top: 20px;
}
```

3. CSS Media Query

```
@media only screen and (max-width: 400px) {
```

```
.nav-list {  
  flex-direction: column;  
}
```

```
.nav-list ul {  
  flex-direction: column;  
}
```

```
.search-bar {  
  display: none;  
}
```

```
.search-btn {  
  display: none;  
}
```

```
.burger {  
  display: block;  
}
```

```
.h-nav-resp {  
  height: 70px;  
}
```

```
.v-class-resp {  
  display: none;  
}
```

```
.mobile-home-btn {  
  display: block;  
}
```

```
.home-button {  
  display: none;  
}
```

```
/* Body Responsive -First */
```

```
.first {  
  flex-direction: column;  
  height: 650px;  
}
```

```
.first-left {  
  width: 50%;  
  align-content: center;  
  justify-content: center;  
  align-items: center;  
  text-align: center;  
}
```

```
.first-h2 {  
  color: #ffffff;  
  font-size: 25px;  
  margin-left: 48%;  
  margin-top: 100px;  
  letter-spacing: 2px;  
}
```

```
.first-p1 {  
  color: white;  
  margin-left: 48%;  
  margin-top: 10px;  
}
```

```
.first-button1 {  
  height: 40px;  
  width: 200px;  
  margin-left: 48%;  
  margin-top: 14px;  
  border-radius: 30px;  
  border: none;  
  font-size: 17px;  
}
```

```
/* Body Responsive First- Right */
```

```
.first-right-content {  
  height: 290px;  
  width: 270px;  
  background-color: white;  
  margin-top: 50px;  
  border-radius: 30px;  
  border-left: 5px solid #ed6b44;  
  background-color: #e7e9eb;  
  margin-left: 50px;  
}
```

```
.first-right-html {  
  padding-left: 40px;  
  background-color: white;  
  height: 210px;  
  padding-bottom: 30px;  
  width: 200px;  
  margin-left: 20px;  
  border-radius: 20px;  
  font-size: 12px;  
}
```

```
.first-right-continue-button {  
  height: 30px;  
  width: 160px;  
  margin-top: 14px;  
  border-radius: 30px;  
  border: none;  
  font-size: 17px;  
  background-color: #ed6b44;  
  color: white;  
  margin-left: 55px;  
}
```

```
.second {  
  height: auto;  
  width: auto;
```



```
}  
.second-content-area {  
  justify-content: center;  
  align-items: center;  
  align-content: center;  
  text-align: center;  
  flex-direction: column;  
}  
}
```

4. JavaScript

Example: Python Tutorial 01

```
buttonExampleOne = document.getElementById("1");  
reset = document.getElementById("2");  
inputOne = document.getElementById("input-one");  
buttonExampleTwo = document.getElementById("two");  
resettwo = document.getElementById("reset-two")  
  
buttonExampleOne.addEventListener('click', ()=> {  
  document.getElementById("result-example-one").innerHTML = "Output: Hello,  
World!";  
})  
  
reset.addEventListener('click', ()=> {  
  document.getElementById("result-example-one").innerHTML = "Output:";  
})  
  
buttonExampleTwo.addEventListener('click', ()=> {  
  document.getElementById("output-two").innerHTML = "Output: " + inputOne.value;  
})  
  
resettwo.addEventListener('click', ()=> {  
  document.getElementById("output-two").innerHTML = "Output: ";  
  document.getElementById("input-one").value = " ";  
})
```