Project Report

On

Top Smart Study

Submitted by

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CERTIFICATE

This is to certify that the project work titled "**TOP SMART STUDY"**
is a bonafied project work submitted by K.Harika and K.Shireesha and Y.Sandhya in the
Department of COMPUTER SCIENCE AND ENGINEERING in partial fulfillment of requirements
For the award of degree of Bachelor of Technology in Computer science and engineering for the year
2020-2021 carried out the work under the supervision

GUIDE	HEAD OF THE DEPARTMENT
M.MAHENDRA	P.HARINADHA

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of any task would be incomplete without the mention of the people who made it possible and whose constant guidanceand encouragement crown all the efforts success.

I also express my sincere gratitude to our respected Head of the Department Mr.P.HARINADHA for his encouragement, overall guidance in viewing this project a good asset and effort in bringing out this project.

I would like to convey thanks to our guide at college Mr.M.MAHENDRAfor His guidance, encouragement, co-operation and kindness during the entire duration of the course and academics.

My sincere thanks to all the members who helped me directly and indirectly in the completion of project work. I express my profound gratitude to all our friends and family members for their encouragement.

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<u>ABSTRACT</u>

Top Smart Study is a web application which can shows categories of top most schools, colleges and universities in India.Easy to search for students chosing from primary student level to graduation level.

These top most educational institutions provide best quality of Education and make the student life in bright way. This website is helpful to students in searching for qualitative education.

Education institutes is responsible for the systematic transmission of knowledge, skills and cultural values within a formally organised structure.

Top Most Study is an online website which consists of top most schools, colleges and universities across the India

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Introduction

Top Most Study is an online website which consists of top most schools, Colleges and universities across the India.
It consists of complete information about the top most educational institutions. This website is planned to be used by any person who is wiiling to know the information about the top most educational institutions.

It is created by using html,css and javascript.It consist 5 modules:

Home module

Schools module

Colleges module

Universities module

About module

Home Module:

In home page module there is categories they are schools.colleges and universities.Schools Module will be open by clicking on the Schools Option and also same as colleges and universities.

Schools Module:

In Schools module there is number of schools it consists of information about School like founder,image of school,number of students and faculty,And why it is popular.

Colleges Module:

In Colleges module there is number of colleges it consists of information about college like founder,image of college,number of students and faculty,And why it is popular.

Universities Module:

In Universities module there is number of universities it consists of Information about university like founder,image of university,number of students and faculty,And why it is popular.

About Module:

In about module which consists of information about admins names.

PURPOSE

The purpose of the project is collection of information about the top most educational instutions from primary education to graduation level. Education institutes is responsible for the systematic transmission of knowledge, skills and cultural values within a formally organised structure.

SCOPE

It can be used in any where because it is web based application. User can browse and get desire Educational institution in staying their home, office or other place.User does not need to log in for searching Educational Institution

Requirement Specification

Hardware Configuration:

Client Side:

Ram	512 MB
Hard disk	10 GB
Processor	1.0 GHz

Software Requirement:

Front end	HTML,CSS
Server side Language	Javascript
Web Browser	Firefox , Google Chrome or any Compatible browser
Operating System	Ubuntu,Windows or any equivalent OS

HTML

- ➜ HTML stands for HyperText Markup language
- ➜ HTML is the standard markup language for creating Web pages
- ➜ HTML describes the structure of a Web page
- ➜ HTML consists of a series of elements
- ➜ HTML elements tell the browser how to display the content

CSS

- ◆ CSS stands for Cascading Style Sheets
- ◆ CSS is the language we use to style an HTML document.
- ◆ CSS describes how HTML elements are to be displayed on screen, paper, or in other media
- ◆ CSS saves a lot of work. It can control the layout of multiple web pages all at once
- ◆ External stylesheets are stored in CSS files

Javascript

- ▪ JavaScript is the programming language of the Web.
- ▪ JavaScript is a lightweight, interpreted programming language.
- ▪ It is designed for creating network-centric applications.
- ▪ It is complimentary to and integrated with Java.
- ▪ JavaScript is very easy to implement because it is integrated with HTML.It is open and cross-platform.
- ▪ Javascript provides Ajax library which helps in loading back-end data while you are doing some other processing. This really gives an amazing experience to your website visitors.

Analysis and Design

Analysis:

Existing system:
Existing system is a manual one in which users are maintaining books to store the information like Student Details,Instructor Details,Schedule Details and feedbacks about persons who visit website as per schedule.. It is very difficult to maintain historical data.

DISADVANTAGES:
The following drawbacks of existing system emphasize the need for computerization:
1.Easy to Build
2.User-friendly process
3.Professional look
4.Up to date design
5. Provide quality information
6.Easy to choose

Design Introduction:

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that arerequired to build and verify the software.

The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data

UML Diagrams:

Actor:

A coherent set of roles that users of use cases play when interacting with the use cases.an observable result of value of an actor.
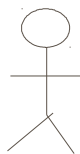
Use case: A description of sequence of actions, including variants, that a system performs yields an observable result of value of an actor. actor diagram is drawned in a eclipse shape

UML stands for Unified Modeling Language. UML is a language for specifying, visualizing anddocumenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built designed.

USECASE DIAGRAMS:

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor.

Use case diagram can be useful for getting an overall view of the system and clarifying that can do and more importantly what they can't do.

Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

The purpose is to show the interactions between the use case and actor.

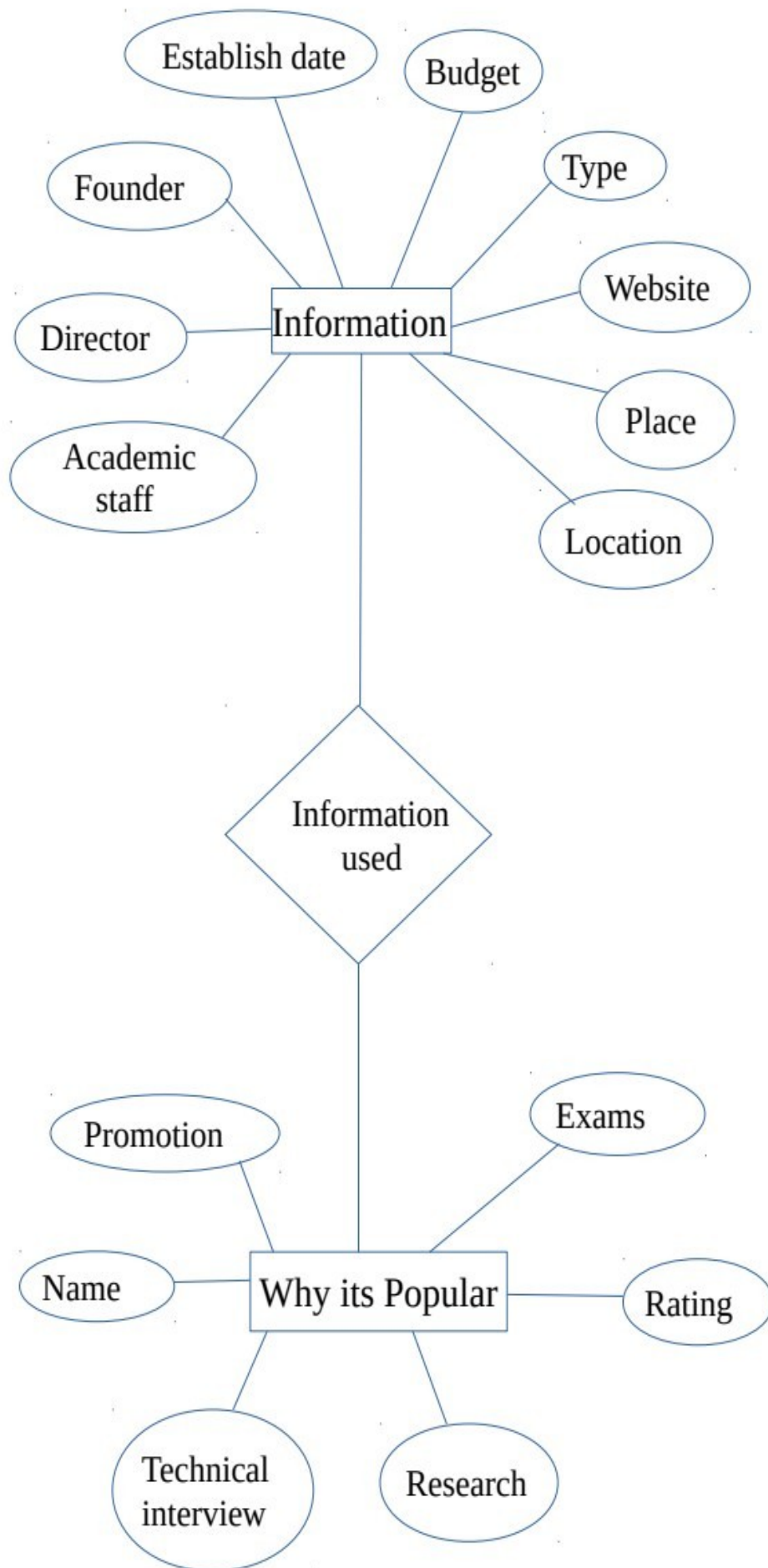To represent the system requirements from user's perspective.

An actor could be the end-user of the system or an external system.

USECASE DIAGRAM: A Use case is a description of set of sequence of actions. Graphicallyit is rendered as an ellipse with solid line including only its name.   Use case diagram is a behavioral diagram that shows a set of use cases and actors and their relationship. It is an association between the use cases and actors. An actor represents a real-world object. Primary Actor – Sender, Secondary Actor Receiver.

Use case Diagram:

ER Diagram:

Establish date

Budget

Founder

Type

Director

Information

Website

Academic staff

Place

Location

Information used

Promotion

Exams

Name

Why its Popular

Rating

Technical interview

Research
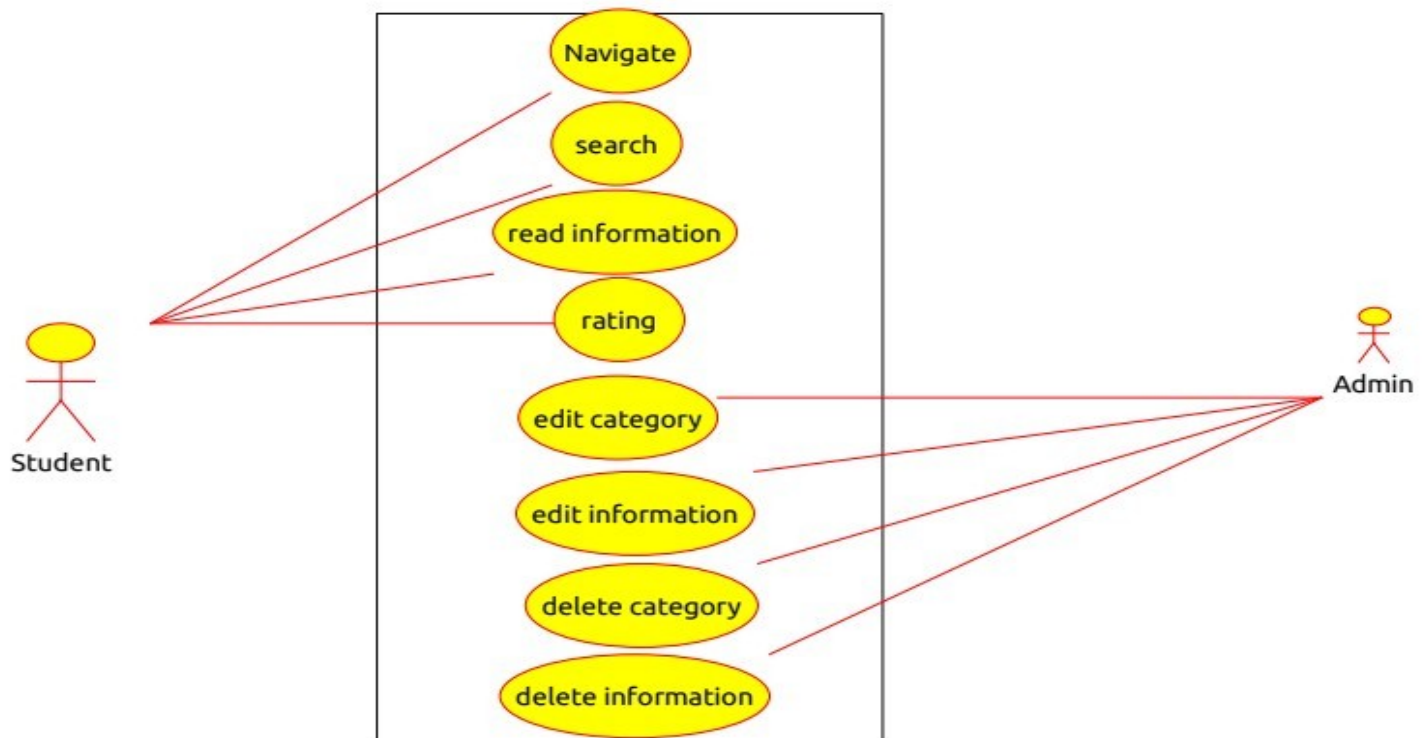
```
<> About.html M        <> index.html ●      JS main.js        # style.css M
home > student > Desktop > SmartStudy > <> index.html > ...
  1   <!DOCTYPE html>
  2   <head>
  3       <meta charset="UTF-8" />
  4       <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  5       <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  6       <title>STUDY INFORMATION</title>
  7       <!-- normalize -->
  8       <link rel="stylesheet" href="./css/normalize.css" />
  9       <!-- font-awesome -->
 10       <link
 11         rel="stylesheet"
 12         href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.14.0/css/all.min.css"
 13       />
 14       <!-- main css -->
 15       <link rel="stylesheet" href="./style.css" />
 16   </head>
 17   <body>
 18       <!-- main -->
 19       <main class="page">
 20           <!-- Header -->
 21       <header class="hero">
 22           <div class="hero-container">
 23               <div class="hero-text">
 24                   <h1>TOP SMART STUDY</h1>
 25                   <h4>Explore Knowledge</h4>
 26               </div>
 27           </div>
 28       </header>
 29       <!-- End of header -->
 30       <!--  container -->
 31       <section class="recipes-container">
 32           <!-- tag container -->
 33           <div class="tags-container">
 34               <!-- <button class="button">HOME</button> -->
 35               &nbsp
 36               <h4 id=cat>Categories</h4>
 37               <div class="tags-list">
 38                   <a href="./category/schools.html"> Schools(4)</a>
```

```
e > student > Desktop > SmartStudy > <> index.html > ...
                   <a href="About.html">About </a>
           </div>
       </div>
       <!-- end of tag container -->
       <!-- recipes container -->
       <div class="recipes-list">
           <!-- Category-->
           <a href="./category/schools.html" class="recipe">
           <img src="./assets/schools.jpg" alt="schools" class="img recipe-img"/>
           <h5>Schools</h5>
           </a>
           <!-- end of category -->
           <!-- Category-->
           <a href="./category/colleges.html" class="recipe">
           <img src="./assets/colleges.webp" alt="colleges" class="img recipe-img"/>
           <h5>Colleges</h5>
           </a>
           <!-- end of category -->
           <!-- Category-->
           <a href="./category/Universities.html" class="recipe">
           <img src="./assets/Universities.jpg" alt="Universities" class="img recipe-img"/>
           <h5>Universities</h5>

           </a>
           <!-- end of category -->
       </div>
       <!-- end of recipes container -->

   </section>
   <!-- end of recipes container -->
   </main>
   <!-- End of main -->
   <!-- footer -->
   <footer class="page-footer">
       <p>&copy; <span id="date">2022</span> Built by Trio </p>
   </footer>
   <!-- End of footer -->

</body>
```

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```html
1   <!DOCTYPE html>
2   <html>
3   <head>
4   <meta name="viewport" content="width=device-width, initial-scale=1">
5   <link rel="icon" type="image/x-icon" href="assets/favicon.png">
6   <style>
7   body {
8     font-family: Arial, Helvetica, sans-serif;
9     margin: 0;
10  }
11
12  html {
13    box-sizing: border-box;
14  }
15  *, *:before, *:after {
16    box-sizing: inherit;
17  }
18
19  .column {
20    float: left;
21    width: 33.3%;
22    margin-bottom: 16px;
23    padding: 0 8px;
24  }
25
26  .card {
27    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2);
28    margin: 8px;
29  }
30
31  .about-section {
32    padding: 50px;
33    text-align: center;
34    background-color: #474e5d;
35    color: white;
36  }
37  #disc{
38      font-size: 20px;
39  }
40  .container {
41    padding: 0 16px;
42  }
43
44  .container::after, .row::after {
45    content: "";
46    clear: both;
47    display: table;
48  }
49
50  .title {
51    color: grey;
52  }
53  .we{
54      display: grid;
55      /* grid-template-rows: auto ; */
56      grid-template-columns: auto;
```

```html
73  }
74
75  @media screen and (max-width: 650px) {
76    .column {
77      width: 100%;
78      display: block;
79    }
80  }
81  </style>
82  </head>
83  <body>
84
85  <div class="about-section">
86    <h1>Top Smart Study</h1>
87    <h2>Exploring Knowledge</h2>
88    <p>Domain : Web Development</p>
89
90  </div>
91
92  <h2 style="text-align:center">Trio</h2>
93  <div class="we">
94  <div class="row">
95
96    <div class="column">
97      <div class="card">
98        <div class="container">
99          <h2>K.Harika</h2>
100         <p class="title">Designer</p>
101         <p>Id.No: R170696 </p>
102         <p>rl70696@rguktrkv.ac.in</p>
103         <p><button class="button">Contact</button></p>
104       </div>
105     </div>
106   </div>
107   <div class="column">
108     <div class="card">
109       <div class="container">
110         <h2>K.Shireesha</h2>
111         <p class="title">Designer</p>
112         <p>Id.No: R170704</p>
113         <p>rl70704@rguktrkv.ac.in</p>
114         <p><button class="button">Contact</button></p>
115       </div>
116     </div>
117   </div>
118   <div class="column">
119     <div class="card">
120       <div class="container">
121         <h2>Y.Sandhya Rani</h2>
122         <p class="title">Developer</p>
123         <p>Id.No: Rl70705 </p>
124         <p>r170705@rguktrkv.ac.in</p>
125         <p><button class="button">Contact</button></p>
126       </div>
127     </div>
128   </div>
129
130   </div>
```

le Edit Selection View Go Run Terminal Help

<> About.html M ●   <> index.html ●   JS main.js   # style.css M ✕

home > student > Desktop > SmartStudy > # style.css > 🔧 *

```css
 1  *,::after,::before {
 2    box-sizing: border-box;
 3  }
 4  /* fonts */
 5
 6  @import url('https://fonts.googleapis.com/css2?family=Roboto:wght@400;500;600&family=Montserrat&display=swap');
 7  html {
 8    font-size: 100%;
 9  } /*16px*/
10
11
12  :root {
13    /* colors */
14    --primary-100: #e2e0ff;
15    --primary-200: #c1beff;
16    --primary-300: #a29dff;
17    --primary-400: #837dff;
18    --primary-500: #645cff;
19    --primary-600: #504acc;
20    --primary-700: #3c3799;
21    --primary-800: #282566;
22    --primary-900: #141233;
23
24    /* grey */
25    --grey-50: #f8fafc;
26    --grey-100: #f1f5f9;
27    --grey-200: #e2e8f0;
28    --grey-300: #cbd5e1;
29    --grey-400: #94a3b8;
30    --grey-500: #64748b;
31    --grey-600: #475569;
32    --grey-700: #334155;
33    --grey-800: #1e293b;
34    --grey-900: #0f172a;
35    /* rest of the colors */
36    --black: #222;
37    --white: #fff;
38    --red-light: #f8d7da;
39    --red-dark: #842029;
40    --green-light: #d1e7dd;
41    --green-dark: #0f5132;
42
43    /* fonts  */
44    --headingFont: 'Roboto', sans-serif;
45    --bodyFont: 'Nunito', sans-serif;
46    --smallText: 0.7em;
47    /* rest of the vars */
48    --backgroundColor: var(--grey-50);
```

home > student > Desktop > SmartStudy > # style.css > 🔧 *

```css
42
43    /* fonts  */
44    --headingFont: 'Roboto', sans-serif;
45    --bodyFont: 'Nunito', sans-serif;
46    --smallText: 0.7em;
47    /* rest of the vars */
48    --backgroundColor: var(--grey-50);
49    --textColor: var(--grey-900);
50    --borderRadius: 0.25rem;
51    --letterSpacing: 1px;
52    --transition: 0.3s ease-in-out all;
53    --max-width: 1120px;
54    --fixed-width: 600px;
55
56    /* box shadow*/
57    --shadow-1: 0 1px 3px 0 rgba(0, 0, 0, 0.1), 0 1px 2px 0 rgba(0, 0, 0, 0.06);
58    --shadow-2: 0 4px 6px -1px rgba(0, 0, 0, 0.1),
59      0 2px 4px -1px rgba(0, 0, 0, 0.06);
60    --shadow-3: 0 10px 15px -3px rgba(0, 0, 0, 0.1),
61      0 4px 6px -2px rgba(0, 0, 0, 0.05);
62    --shadow-4: 0 20px 25px -5px rgba(0, 0, 0, 0.1),
63      0 10px 10px -5px rgba(0, 0, 0, 0.04);
64  }
65
66  body {
67    background: var(--backgroundColor);
68    background-color: rgb(173, 184, 176);
69    font-family: var(--bodyFont);
70    font-weight: 400;
71    line-height: 1.75;
72    color: var(--textColor);
73    animation-name:FadeIn ;
74    animation-duration: 0.8s;
75    animation-iteration-count:1 ;
76  }
77  @keyframes FadeIn{
78    0%{
79      background-color: black;
80      opacity: 0;
81    }
82    100%{
83      opacity: 1;
84    }
85  }
86
87  p {
88    margin-top: 0;
89    margin-bottom: 1.5rem;
```

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```css
    .recipe-img {
      height: 10rem;
    }
}

@media screen and (min-width: 992px) {
  .recipes-container {
    grid-template-columns: 200px 1fr;
    gap: 1rem;
  }
  .recipes-list {
    grid-template-columns: 1fr 1fr;
  }

  .recipe p {
    font-size: 0.85rem;
  }
  .tags-container {
    order: 0;
    /* background: blue; */
  }
  .tags-list {
    display: grid;
    grid-template-columns: 1fr;
  }
}

@media screen and (min-width: 1200px) {
  .recipe h5 {
    font-size: 1.15rem;
  }
  .recipes-list {
    grid-template-columns: 1fr 1fr;
  }
}
.button{
  background-color:black;
  font-size: 20px;
  padding: 10px 24px;
  border-radius: 12px;
  transition-duration: 0.4s;
  color: white;
}
.button:hover{
    background-color: white;
    color:black;
}
```

main.js - Visual Studio Code

About.html M   index.html   JS main.js   ×   # style.css M

home > student > Desktop > SmartStudy > JS main.js > ⓨ funcategory

```js
function funcategory(){
    window.location.href="../index.html";
}
```

Implementation and System Testing

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

System Testing

The goal of the system testing process was to determine all faults in our project .The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

1. Unit testing

2 .Integration testing

Unit Testing

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require The procedures belonging to other units that the unit under test calls Non local data structures that module accesses .A procedure to call the functions of the unit under test with appropriate parameters

1. Test for the Home module

Testing Home form-This form is used for . In this
form we enter the username and password if both are correct courses page will open
otherwise if any of data is wrong it will get message "Enter Valid Username and Valid Password

Integration Testing

In the Integration testing we test various combination of the project module by providing the input.

The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module.

Evalution:

Top Most Schools
Best Of Best

search

Back

Schools

Delhi Modern School
Green Wood School
Little Flower School
Xavier School

Delhi Modern School

Gree Wood School

LITTLE FLOWER SCHOOL

St. Xavier's Collegiate School

Top Most Colleges
Colleges

search

Back

Colleges

St. Xavier's College
Brindavana College
Bharat Mata College
Villa Marie College

St.Xavier's College

Brindavana College

Best Of Best

search

Back

Universities

Indian Institute Of
Science
Jawaharlal Nehru
University
University Of Hyderabad
Vellore Institute Of
Technology

Indian Institute Of Science(IISc University)

Jawaharlal Nehru University

University Of Hyderabad

Vellore Institute Of Technology
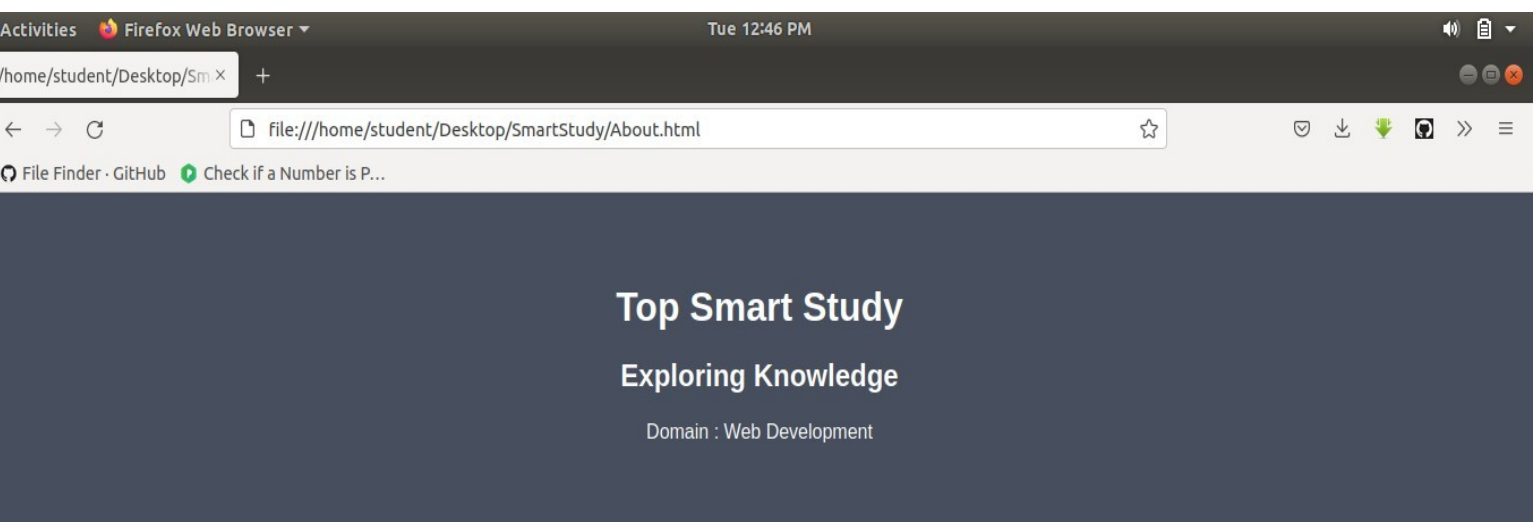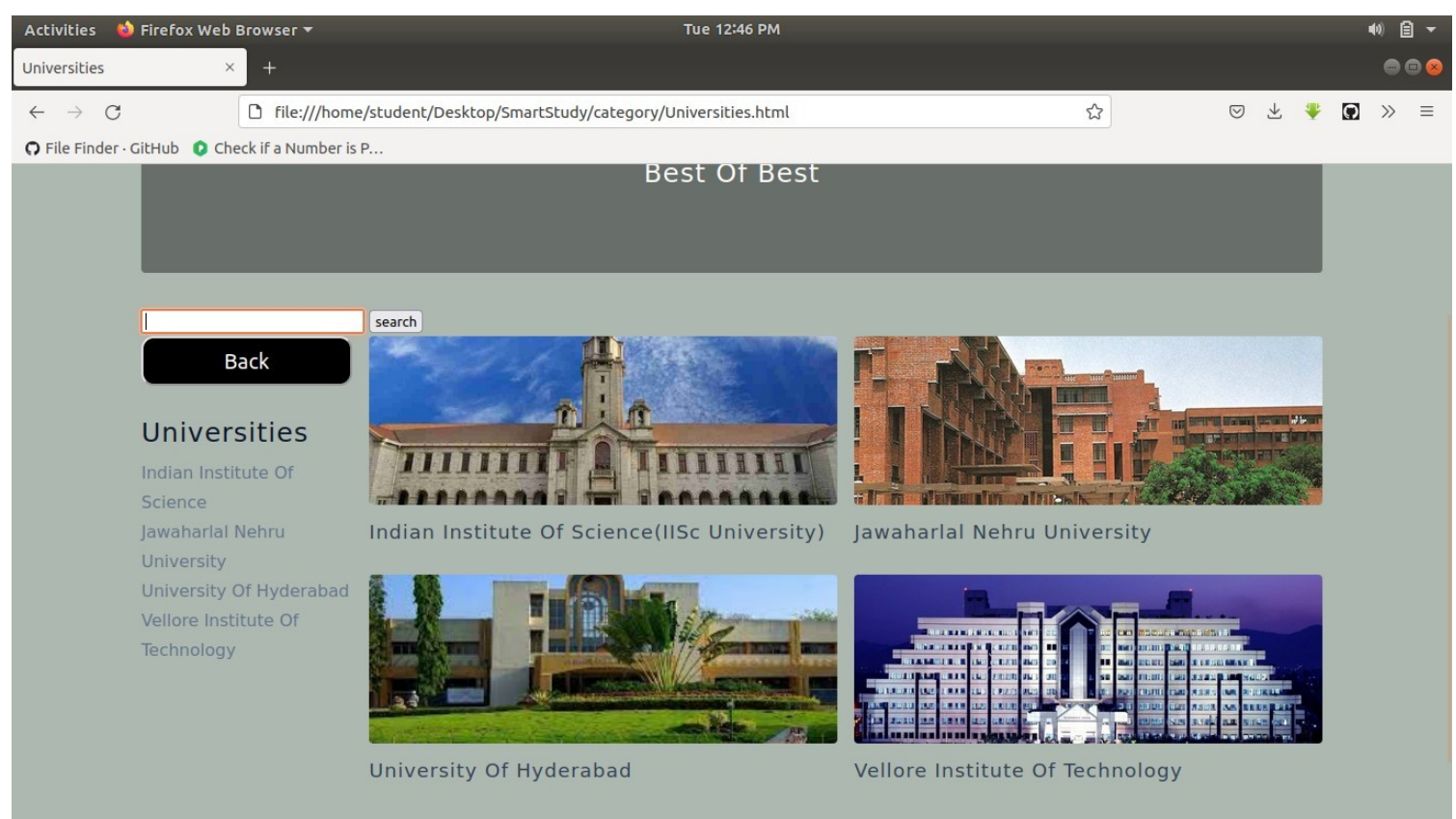

Top Smart Study

Exploring Knowledge

Domain : Web Development

Trio

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K.Shireesha

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Contact

Conclusion

Top Smart Study is a web application for the people who
want to know the top most educational institutions from
primary educational level to graduation level in India
This website provides complete information of all top schools,
colleges and Universities. It also tells why it is top most one.
It is chronicle and treasury of the fine qualitativeinformation.
it effectively overcomes the delay in communications.

References

For HTML

https://www.w3schools.com/html

For CSS

https://www.w3schools.com/css

For JavaScript

https://www.w3schools.com/javascrpit

***************************THANKYOU*********************