19CSE461 Net Centric Programming

Project Evaluation – Review 3

HIGHER STUDIES PORTAL

Review Term: 3

Group Number: 9

Group Members:

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Project Title: Higher Studies Portal

Abstract

Study Portals is a higher studies portal which is used by students who want to achieve their goals and ambitions by pursuing their higher studies in their desired college. This portal helps students choose their colleges based on their requirements, choices and their interests. Study portals guide students and help students choose their colleges for pursuing their higher studies.

This website contains a home page, course page, login page, registration page, and a form page.

Home page consists of all the information about the Study portals. Study portals also display their achievements, their networks they all deal with.
Course page shows all the courses available for pursuing higher studies based on different streams. Each stream has different courses a student wish to pursue. Based on the students interest one can choose their interest field of study. A Login page and registration page is available where students can login and fill in the details one wishes to pursue, so that Study portal team will contact them and help them choose their desired stream of interest.

Introduction to Web Designing:

HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets) are two of the fundamental technologies used to create Web pages. HTML provides the page structure, while CSS provides the (visual and aural) layout for a variety of devices. HTML and CSS, along with graphics and scripting, form the foundation of creating Web pages and Web Applications.HTML is a language used to describe the structure of Web pages.

HTML allows authors to do the following:

Create online documents with headings, text, tables, lists, photos, and so on. At the click of a button, you can access online information via hypertext links. Create forms for interacting with remote services, such as searching for information, making reservations, ordering products, and so on. Spreadsheets, video clips, sound clips, and other applications should be included directly in their documents. Authors use markup to describe the structure of pages in HTML. Language elements label pieces of content such as "paragraph," "list," "table," and so on.

Markup languages function similarly to how you labelled those content types, except they use code to do so – specifically, HTML tags, also known as "elements." The names of these tags are fairly self-explanatory: header tags, paragraph tags, image tags, and so on. Every web page is made up of a slew of HTML tags that represent the various types of content on the page. Each type of content on the page is "wrapped" in HTML tags, i.e. surrounded by them.

You can use HTML to add headings, format paragraphs, control line breaks, create lists, emphasise text, insert images, create links, build tables, control some styling, and much more.

CSS is a design language that you use to make your web page look nice and presentable, whereas HTML is a markup language used to format/structure a web page. CSS is an abbreviation for Cascading Style Sheets, and it is used to improve the appearance of a web page. By including thoughtful CSS styles, you can make your page more appealing and enjoyable to view and use for the end user.

A syntax is basically a set of rules that generally consists of a selector, a property and a value, a CSS syntax contains a selector and a declaration block

CSS can also be used to layout elements by placing them in specific areas of your page.

To access these elements, you have to “select” them. You can select a single or multiple web elements and specify how you want them to look or be positioned. The rules that govern this process are called CSS selectors.

With CSS you can set the colour and background of your elements, as well as the typeface, margins, spacing, padding and so much more.

Id Selector

To write a hash(#) character, To select an element with a particular Id, followed by the Id of the element. The id selector is used to select one specific element. The id of an element is unique within a particular page, it is chosen to select a single, unique element in a page.

class selector
HTML element is select by class selector with a specific class attribute. Write a period (.) character, to select element with a specific class followed by the specific class name.

Universal Selector
It selects all the elements on the pages. To select all the HTML elements on the page we used universal selector (*).

In CSS there are two types of styles:

External Style:

Commonly used style. Style and html are in separate file. To add an external stylesheet to a web page, use the <link> tag, providing the URL of the style sheet in the href attribute, as well as rel="stylesheet” is then linked to from Since the CSS code is in a separate document, your HTML files will have a cleaner structure and are smaller in size. You can use the same .css file for multiple pages.

Inline Style:

This method is useful for testing or previewing the changes, and performing quick-fixes to your website. You don’t need to create and upload a separate document as in the external style.

HTML and CSS Tags Used:

HTML:

- href
- a
- li
- p
- table
- div
- img
- h1, h2, h3, h4, h5, h6
- center
- form
- input
- button

CSS:

- text-transform
- font-family
- flex
- animation
- outline
- border-radius
- background
- width
- border
- padding
- color
- font-size
- margin
- cursor

Technologies Used

XML is a software- and hardware-independent tool for storing and transporting data. XML stands for eXtensible Markup Language. XML is a markup language much like HTML. XML was designed to store and transport data. XML was designed to be self-descriptive. XML is a W3C Recommendation.

The XML language has no predefined tags. The tags in the example above (like <to> and <from>) are not defined in any XML standard. These tags are "invented" by the author of the XML document. HTML works with predefined tags like <p>, <h1>, <table>, etc. With XML, the author must define both the tags and the document structure.

XML simplifies data sharing. XML simplifies data transport. XML simplifies platform changes. XML simplifies data availability. Many computer systems contain data in incompatible formats. Exchanging data between incompatible systems (or upgraded systems) is a time-consuming task for web developers. Large amounts of data must be converted, and incompatible data is often lost.

XML stores data in plain text format. This provides a software- and hardware-independent way of storing, transporting, and sharing data. XML also makes it easier to expand or upgrade to new operating systems, new applications, or new browsers, without losing data. With XML, data can be available to all kinds of "reading machines" like people, computers, voice machines, news feeds, etc.

XML Schema describes the structure of an XML document, just like a DTD. An XML document with correct syntax is called "Well Formed". An XML document validated against an XML Schema is both "Well Formed" and "Valid".

XML Schemas are written in XML. XML Schemas are extensible to additions. XML Schemas support data types. XML Schemas support namespaces. With XML Schema, your XML files can carry a description of its own format. With XML Schema, independent groups of people can agree on a standard for interchanging data. With XML Schema, you can verify data.

One of the greatest strengths of XML Schemas is the support for data types: It is easier to describe document content. It is easier to define restrictions on data. It is easier to validate the correctness of data. It is easier to convert data between different data types.

Another great strength about XML Schemas is that they are written in XML: You don't have to learn a new language. You can use your XML editor to edit your Schema files. You can use your XML parser to parse your Schema files. You can manipulate your Schemas with the XML DOM. You can transform your Schemas with XSLT

XSLT can transform an XML document into HTML. XSLT (eXtensible Stylesheet Language Transformations) is the recommended style sheet language for XML. XSLT is far more sophisticated than CSS. With XSLT you can add/remove elements and attributes to or from the output file. You can also rearrange and sort elements, perform tests and make decisions about which elements to hide and display, and a lot more. XSLT uses XPath to find information in an XML document.

In case of HTML document, tags are predefined such as table, div, and span; and the browser knows how to add style to them and display those using CSS styles. But in case of XML documents, tags are not predefined. In order to understand and style an XML document, World Wide Web Consortium (W3C) developed XSL which can act as XML based Stylesheet Language. An XSL document specifies how a browser should render an XML document.

An XSLT stylesheet is used to define the transformation rules to be applied on the target XML document. XSLT stylesheet is written in XML format. XSLT Processor takes the XSLT stylesheet and applies the transformation rules on the target XML document and then it generates a formatted document in the form of XML, HTML, or text format. This formatted document is then utilized by XSLT formatter to generate the actual output which is to be displayed to the end-user.

JSON or JavaScript Object Notation is a lightweight text-based open standard designed for human-readable data interchang. The official Internet media type for JSON is application/json. The JSON filename extension is .json.

JSON is used while writing JavaScript based applications that includes browser extensions and websites. JSON format is used for serializing and transmitting structured data over network connection. It is primarily used to transmit data between a server and web applications. Web services and APIs use JSON format to provide public data. It can be used with modern programming languages. JSON is easy to read and write. It is a lightweight text-based interchange format. JSON is language independent.

JSON and XML are human readable formats and are language independent. They both have support for creation, reading and decoding in real world situations. XML is more verbose than JSON, so it is faster to write JSON for programmers. XML is used to describe the structured data, which doesn't include arrays whereas JSON include arrays.

JavaScript's *eval* method parses JSON. When applied to JSON, eval returns the described object.

AngularJS is a very powerful JavaScript Framework. It is used in Single Page Application (SPA) projects. It extends HTML DOM with additional attributes and makes it more responsive to user actions. AngularJS is open source, completely free, and used by thousands of developers around the world. It is licensed under the Apache license version 2.0.

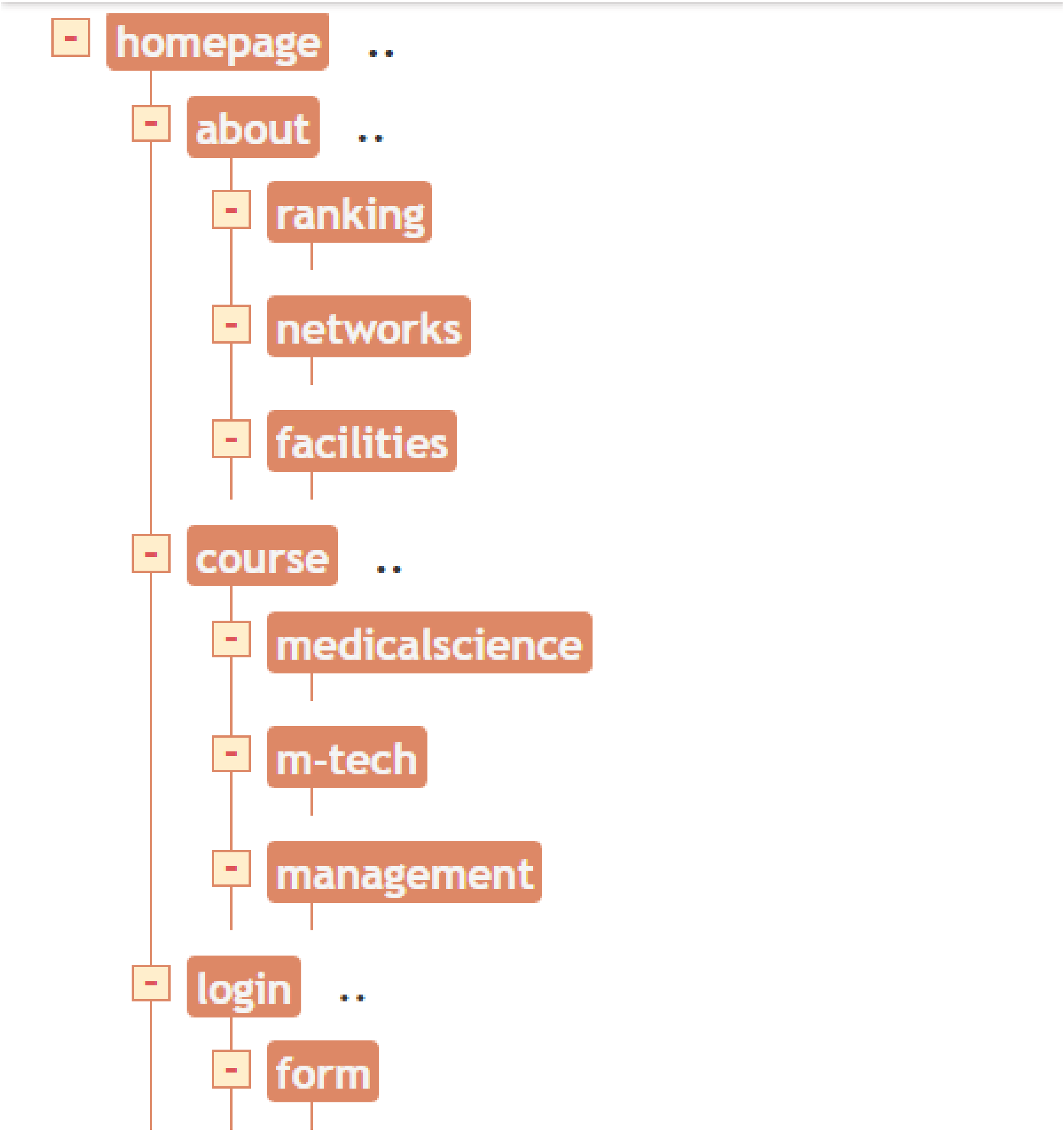
AngularJS is an open-source web application framework. AngularJS is a efficient framework that can create Rich Internet Applications (RIA). AngularJS provides developers an options to write client side applications using JavaScript in a clean Model View Controller (MVC) way. Applications written in AngularJS are cross-browser compliant. AngularJS automatically handles JavaScript code suitable for each browser. AngularJS is open source, completely free, and used by thousands of developers around the world. It is licensed under the Apache license version 2.0. Overall, AngularJS is a framework to build large scale, high-performance, and easyto-maintain web applications.

Node.js is an open-source server environment. Node.js is free. Node.js runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.). Node.js uses JavaScript on the server. Node.js can generate dynamic page content. Node.js can create, open, read, write, delete, and close files on the server. Node.js can collect form data. Node.js can add, delete, modify data in your database. Node.js files contain tasks that will be executed on certain events. A typical event is someone trying to access a port on the server. Node.js files must be initiated on the server before having any effect. Node.js files have extension ".js"

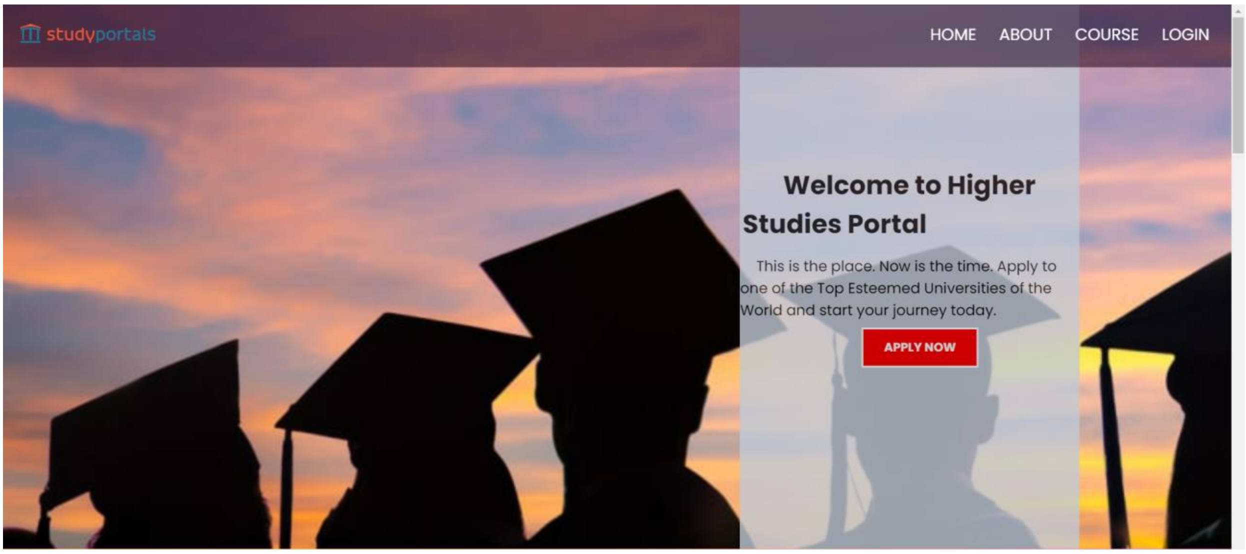
Express is a fast, assertive, essential and moderate web framework of Node.js. You can assume express as a layer built on the top of the Node.js that helps manage a server and routes. It provides a robust set of features to develop web and mobile applications. Let's see some of the core features of Express framework: It can be used to design single-page, multi-page and hybrid web applications. It allows to setup middlewares to respond to HTTP Requests. It defines a routing table which is used to perform different actions based on HTTP method and URL. It allows to dynamically render HTML Pages based on passing arguments to templates.

MongoDB is a cross-platform, document oriented database that provides, high performance, high availability, and easy scalability. MongoDB works on concept of collection and document. Database is a physical container for collections. Each database gets its own set of files on the file system. A single MongoDB server typically has multiple databases. Collection is a group of MongoDB documents. It is the equivalent of an RDBMS table. A collection exists within a single database. Collections do not enforce a schema. Documents within a collection can have different fields. Typically, all documents in a collection are of similar or related purpose.

Design Diagram:

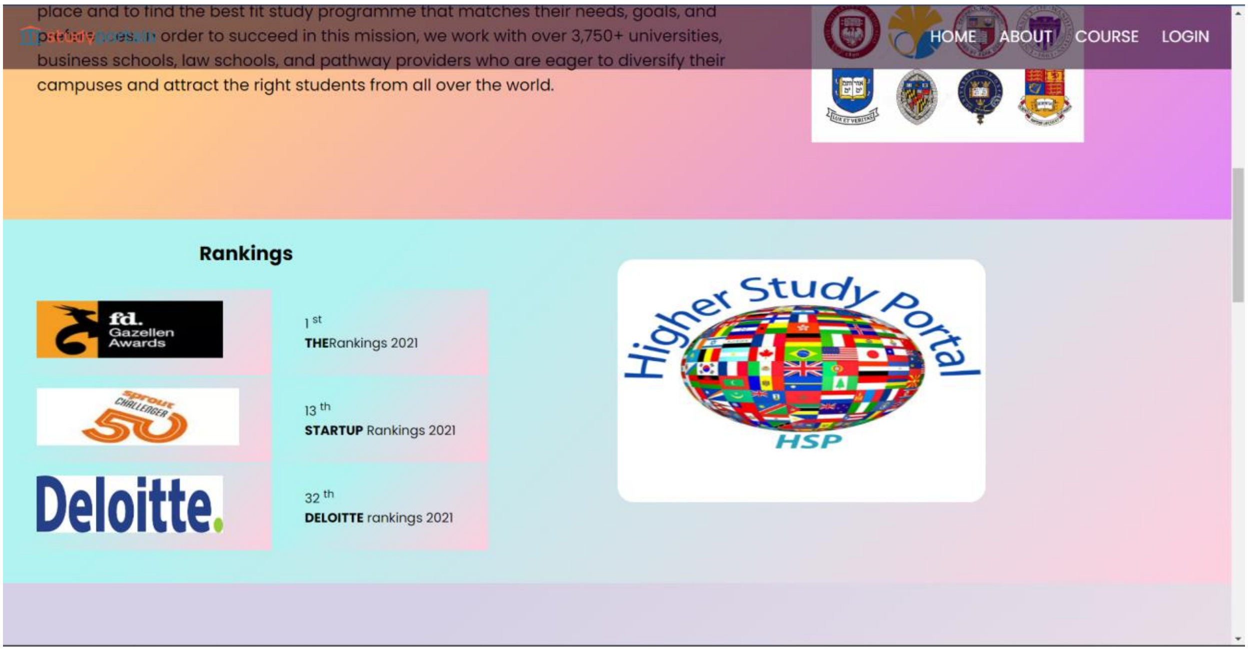


Home Page



Welcome to Higher Studies Portal

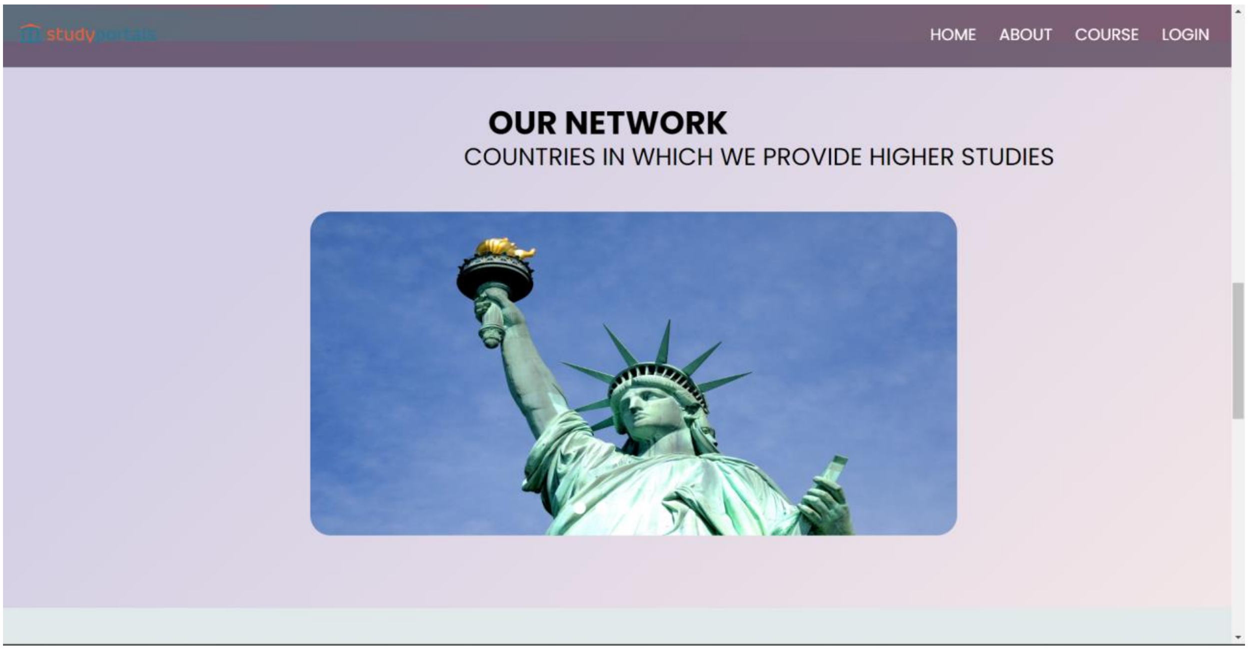
This is the place. Now is the time. Apply to one of the Top Esteemed Universities of the World and start your journey today.



place and to find the best fit study programme that matches their needs, goals, and preferences. In order to succeed in this mission, we work with over 3,750+ universities, business schools, law schools, and pathway providers who are eager to diversify their campuses and attract the right students from all over the world.

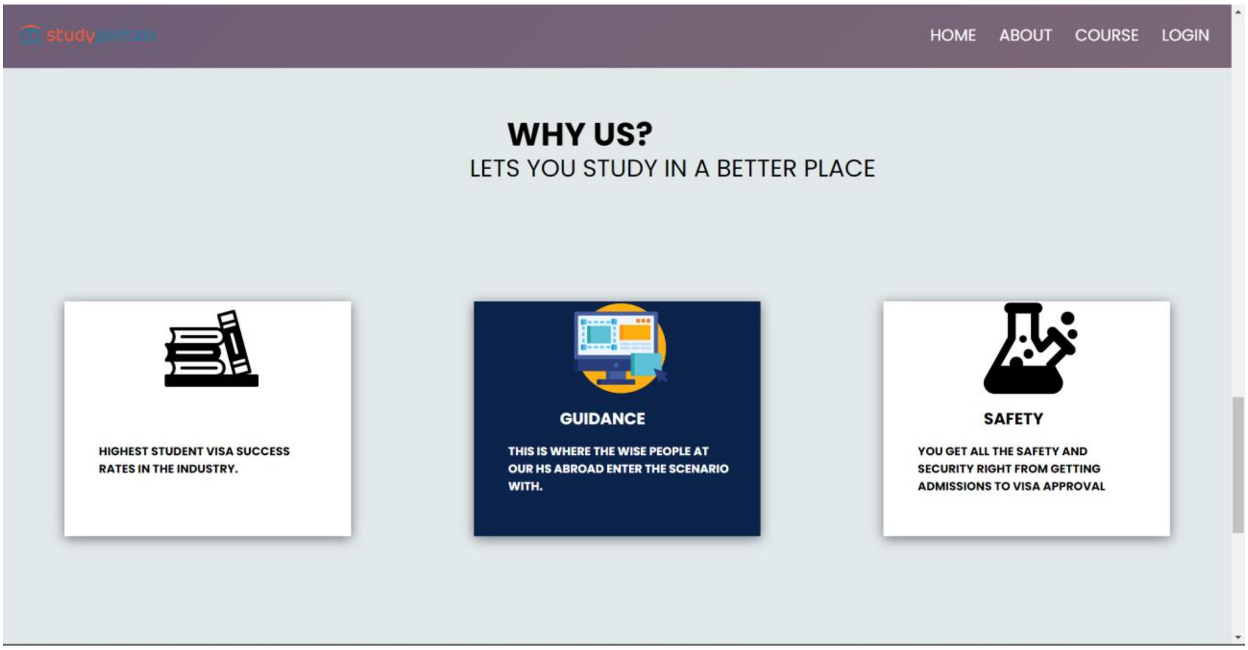
Rankings

fd. Gazellen Awards	1 st **THE**Rankings 2021
Sprout CHALLENGER 50	13 th **STARTUP** Rankings 2021
Deloitte.	32 th **DELOITTE** rankings 2021



OUR NETWORK

COUNTRIES IN WHICH WE PROVIDE HIGHER STUDIES



WHY US?

LETS YOU STUDY IN A BETTER PLACE

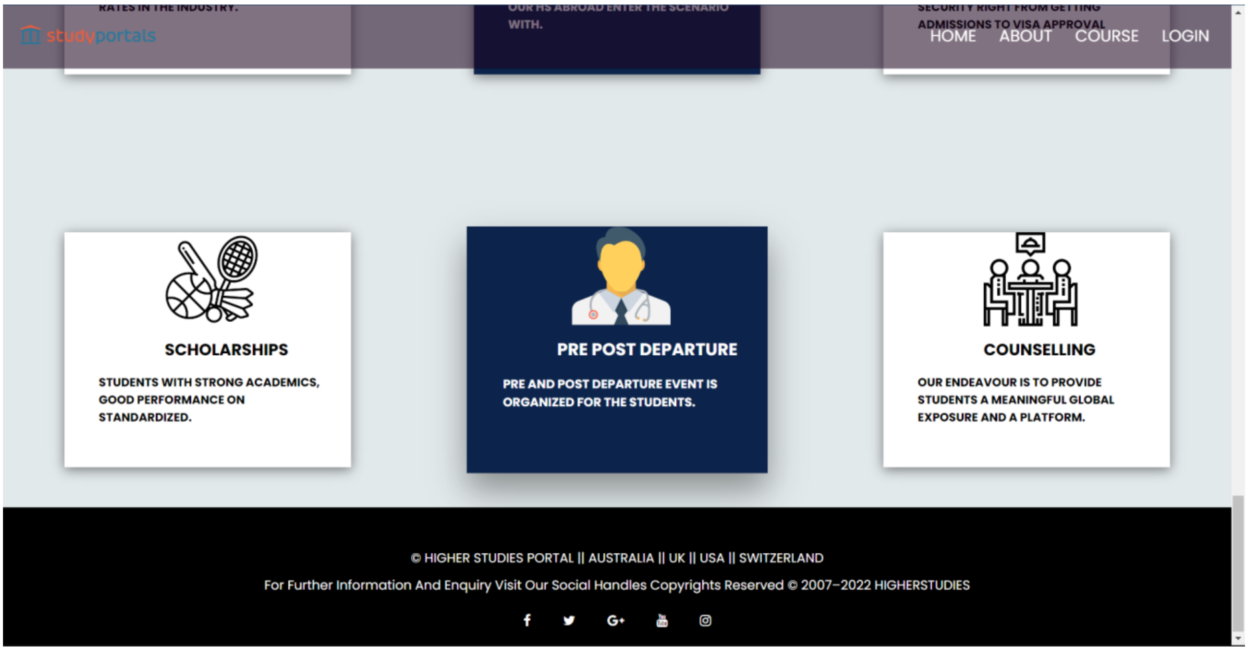
HIGHEST STUDENT VISA SUCCESS RATES IN THE INDUSTRY.

GUIDANCE

THIS IS WHERE THE WISE PEOPLE AT OUR HS ABROAD ENTER THE SCENARIO WITH.

SAFETY

YOU GET ALL THE SAFETY AND SECURITY RIGHT FROM GETTING ADMISSIONS TO VISA APPROVAL



RATES IN THE INDUSTRY.
OUR HS ABROAD ENTER THE SCENARIO WITH.
SECURITY RIGHT FROM GETTING ADMISSIONS TO VISA APPROVAL
studyportals
HOME
ABOUT
COURSE
LOGIN

SCHOLARSHIPS

STUDENTS WITH STRONG ACADEMICS, GOOD PERFORMANCE ON STANDARDIZED.

PRE POST DEPARTURE

PRE AND POST DEPARTURE EVENT IS ORGANIZED FOR THE STUDENTS.

COUNSELLING

OUR ENDEAVOUR IS TO PROVIDE STUDENTS A MEANINGFUL GLOBAL EXPOSURE AND A PLATFORM.

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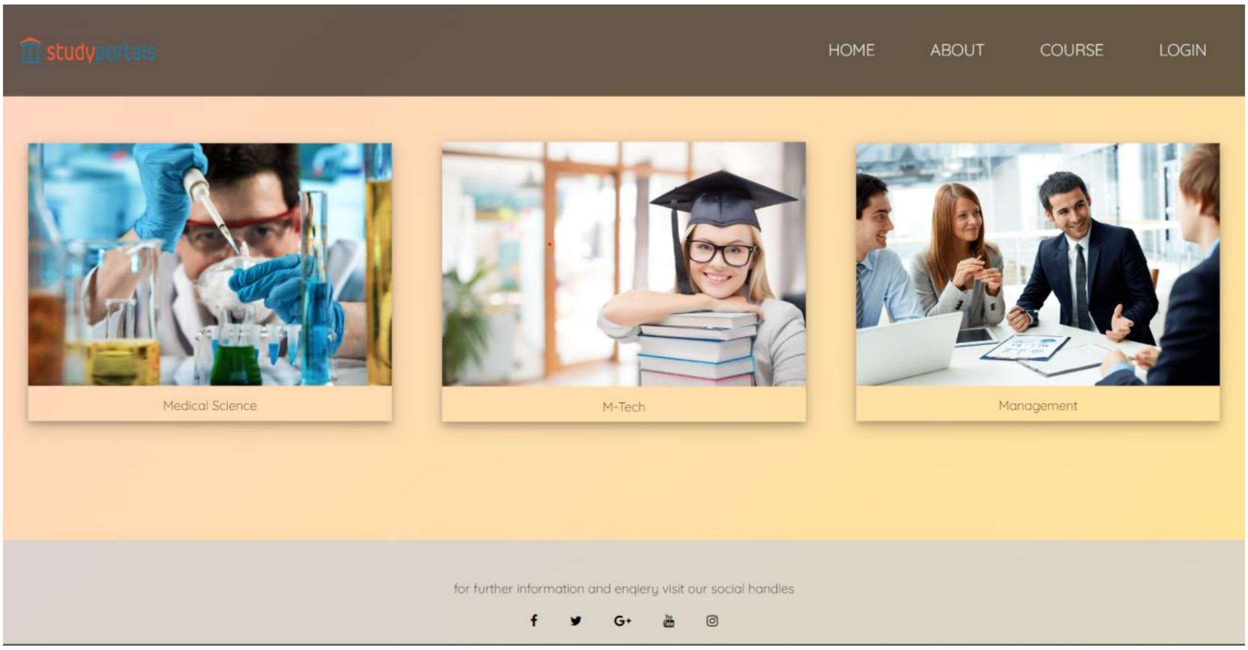
Courses Page



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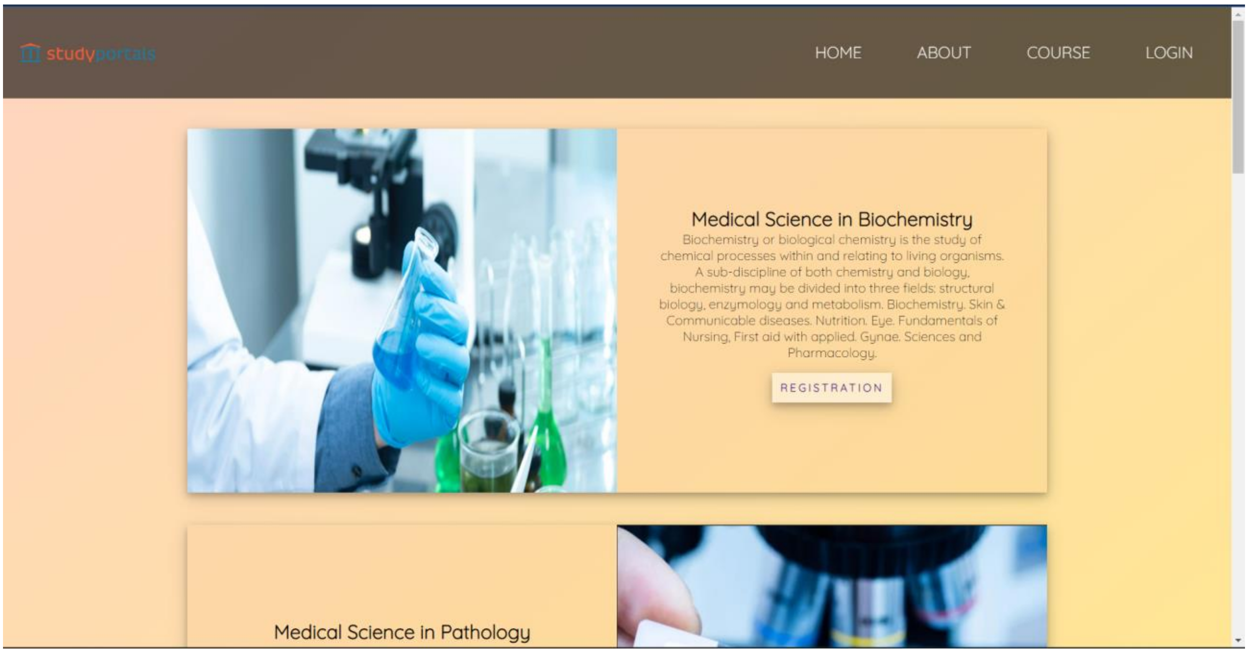
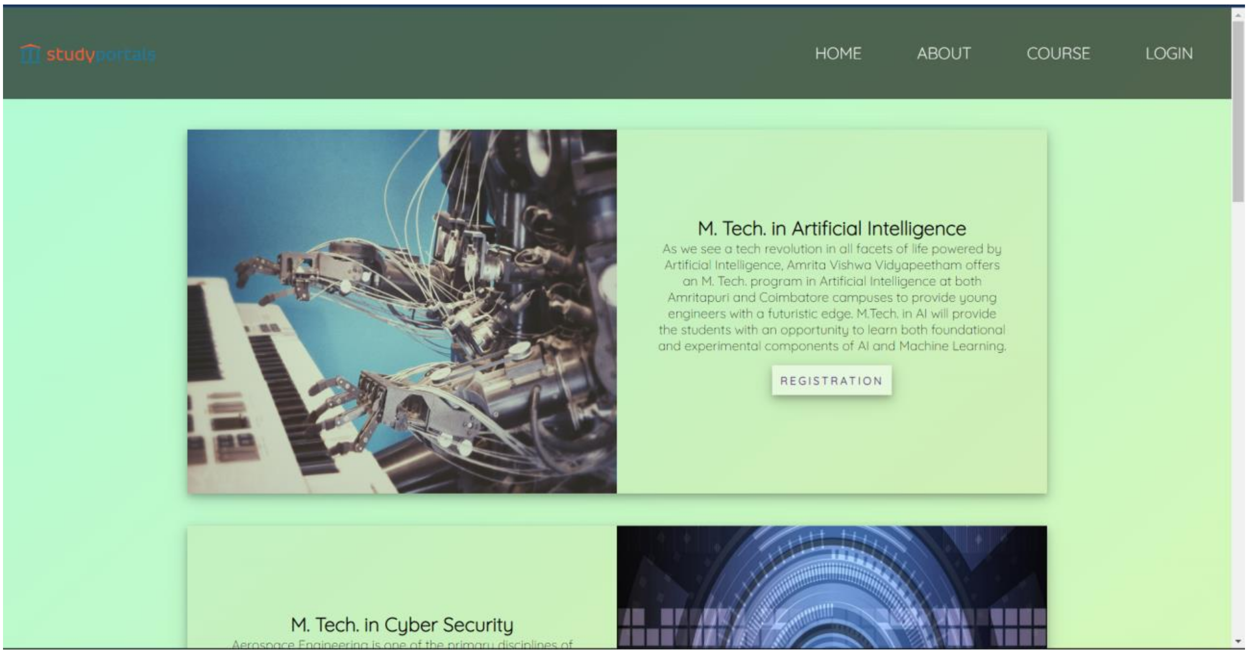


Medical Science in Biochemistry

Biochemistry or biological chemistry is the study of chemical processes within and relating to living organisms. A sub-discipline of both chemistry and biology, biochemistry may be divided into three fields: structural biology, enzymology and metabolism. Biochemistry. Skin & Communicable diseases. Nutrition. Eye. Fundamentals of Nursing, First aid with applied. Gynae. Sciences and Pharmacology.

Medical Science in Pathology

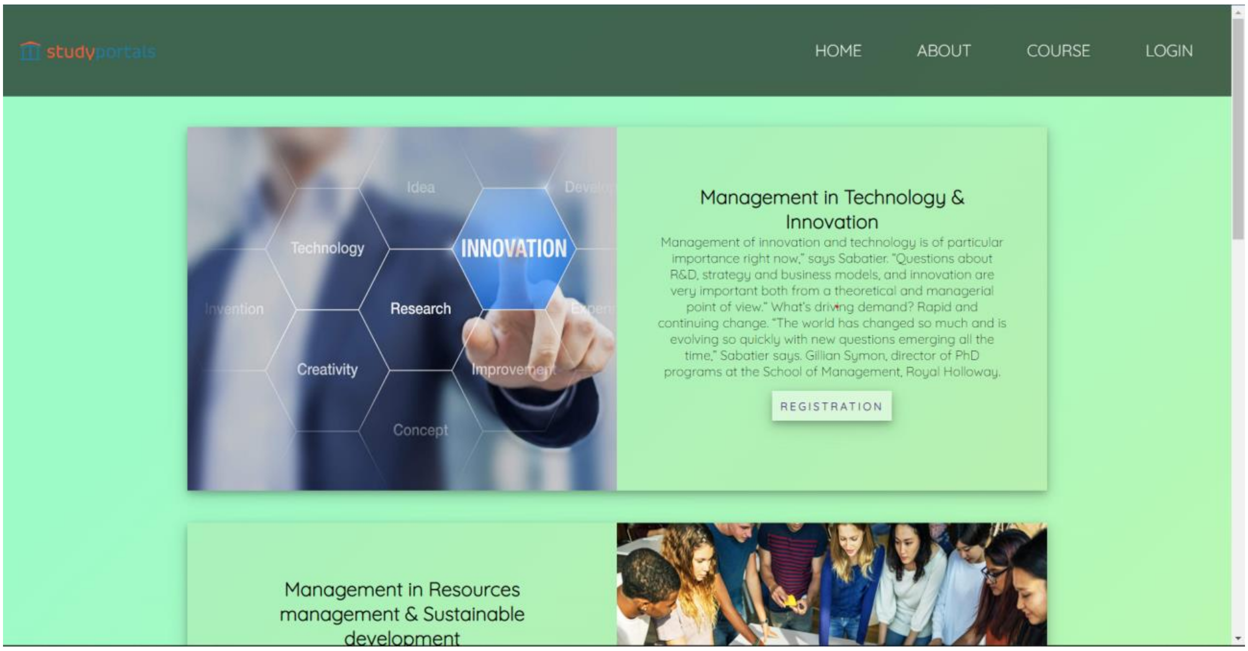


M. Tech. in Artificial Intelligence

As we see a tech revolution in all facets of life powered by Artificial Intelligence, Amrita Vishwa Vidyapeetham offers an M. Tech. program in Artificial Intelligence at both Amritapuri and Coimbatore campuses to provide young engineers with a futuristic edge. M.Tech. in AI will provide the students with an opportunity to learn both foundational and experimental components of AI and Machine Learning.

M. Tech. in Cyber Security

Aerospace Engineering is one of the primary disciplines of

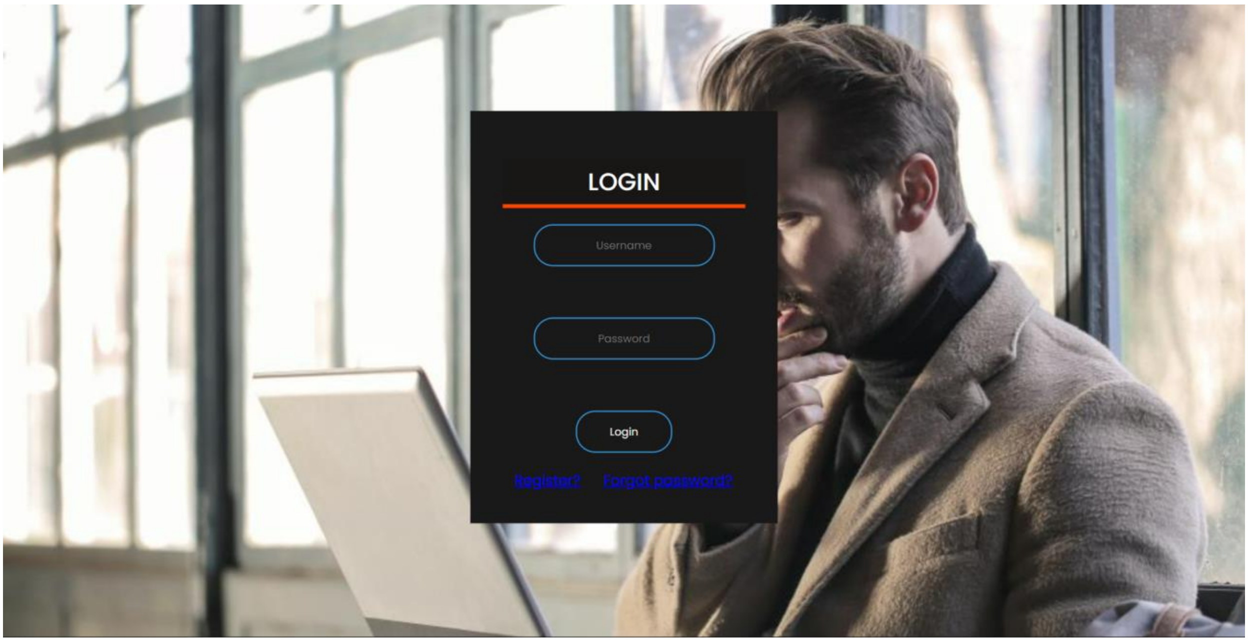


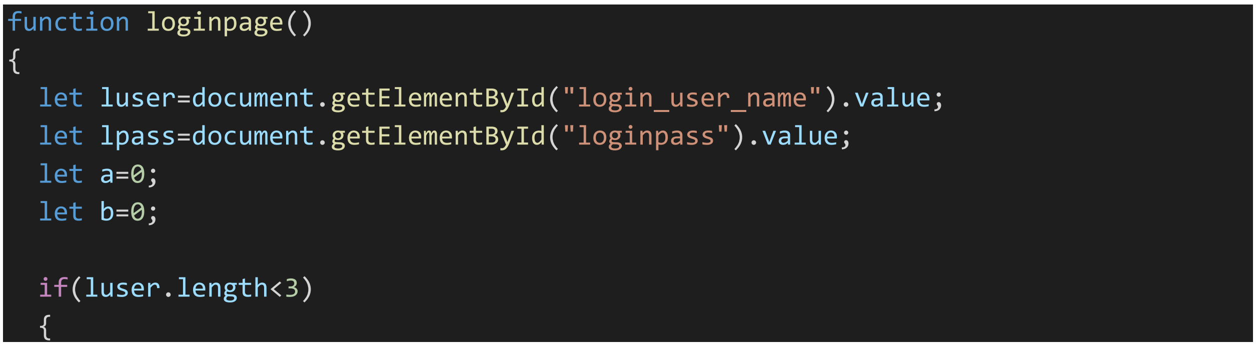
Management in Technology & Innovation

Management of innovation and technology is of particular importance right now," says Sabatier. "Questions about R&D, strategy and business models, and innovation are very important both from a theoretical and managerial point of view." What's driving demand? Rapid and continuing change. "The world has changed so much and is evolving so quickly with new questions emerging all the time," Sabatier says. Gillian Symon, director of PhD programs at the School of Management, Royal Holloway.

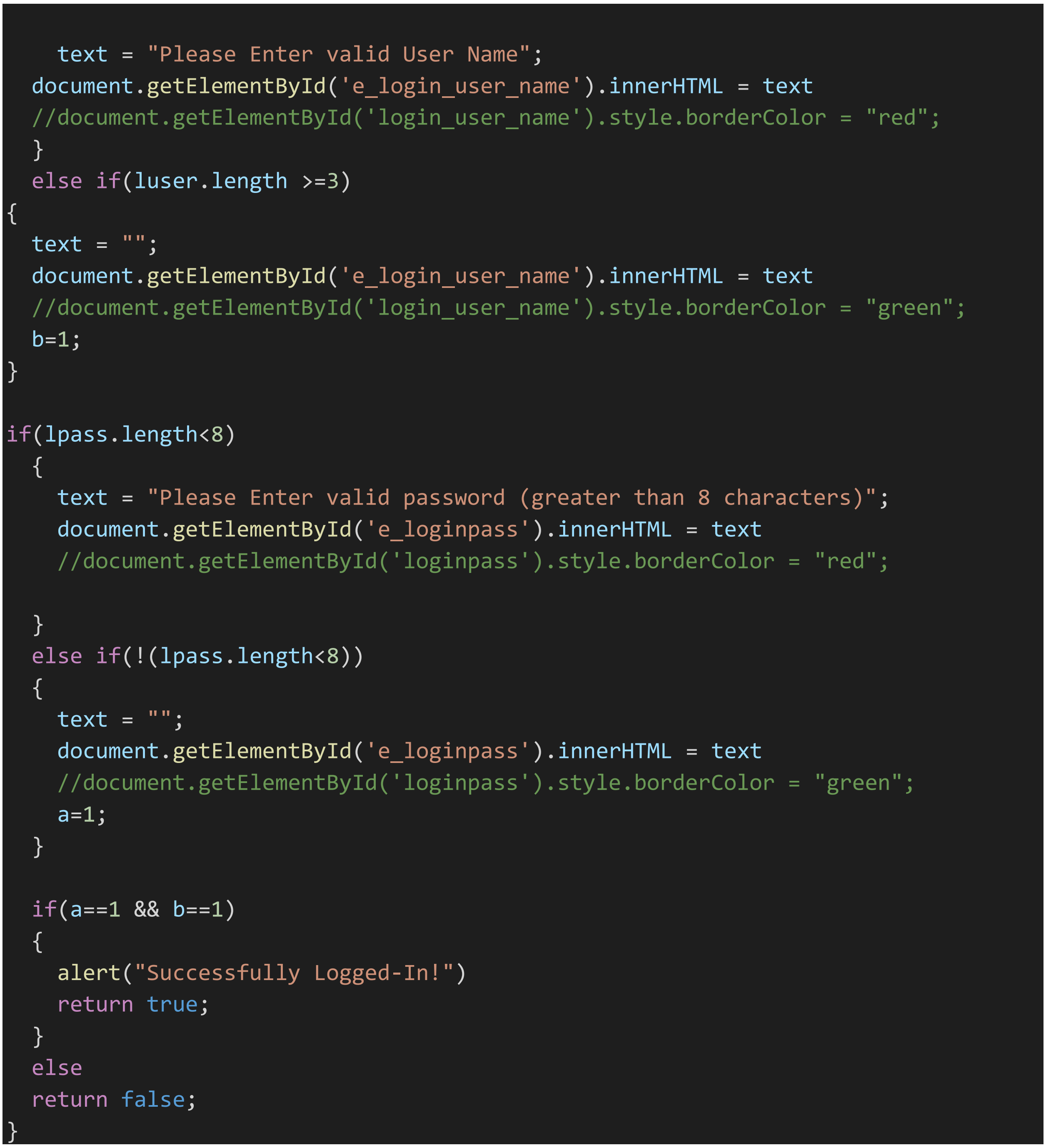
Management in Resources management & Sustainable development

Login Page



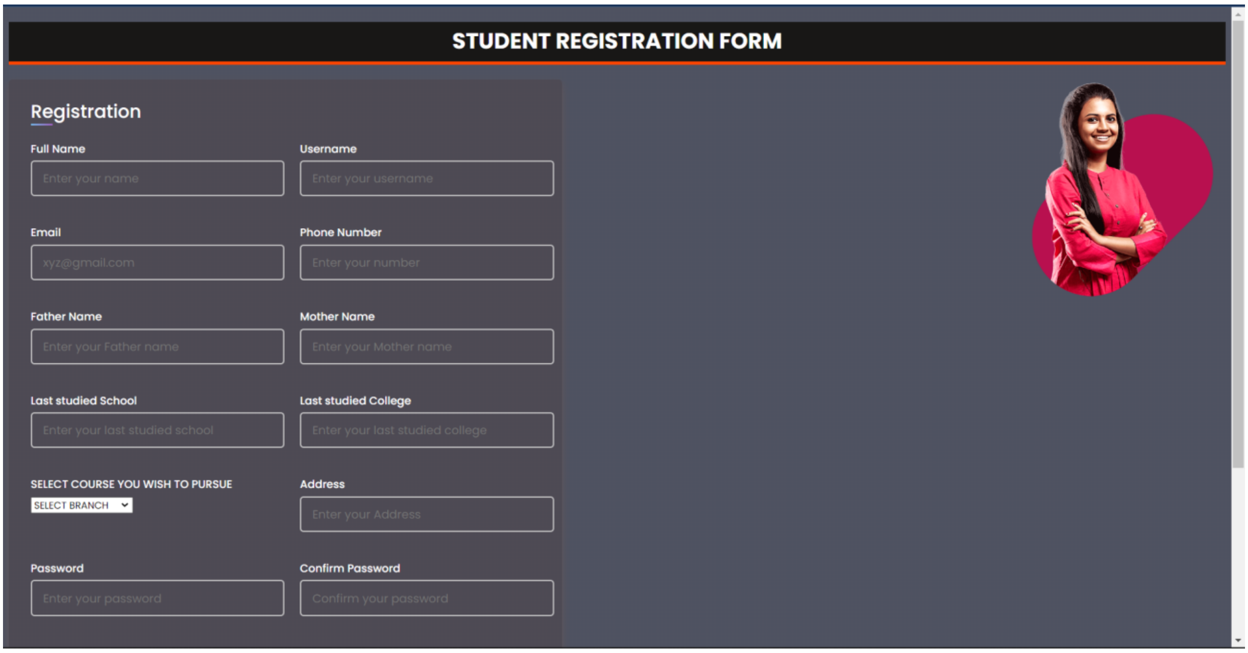


```
function loginpage()
{
  let luser=document.getElementById("login_user_name").value;
  let lpass=document.getElementById("loginpass").value;
  let a=0;
  let b=0;

  if(luser.length<3)
  {
```



```
    text = "Please Enter valid User Name";
  document.getElementById('e_login_user_name').innerHTML = text
  //document.getElementById('login_user_name').style.borderColor = "red";
  }
  else if(luser.length >=3)
{
  text = "";
  document.getElementById('e_login_user_name').innerHTML = text
  //document.getElementById('login_user_name').style.borderColor = "green";
  b=1;
}

if(lpass.length<8)
  {
    text = "Please Enter valid password (greater than 8 characters)";
    document.getElementById('e_loginpass').innerHTML = text
    //document.getElementById('loginpass').style.borderColor = "red";

  }
  else if(!(lpass.length<8))
  {
    text = "";
    document.getElementById('e_loginpass').innerHTML = text
    //document.getElementById('loginpass').style.borderColor = "green";
    a=1;
  }

  if(a==1 && b==1)
  {
    alert("Successfully Logged-In!")
    return true;
  }
  else
  return false;
}
```

Registration Page



STUDENT REGISTRATION FORM

Registration

Full Name: Enter your name

Username: Enter your username

Email: xyz@gmail.com

Phone Number: Enter your number

Father Name: Enter your Father name

Mother Name: Enter your Mother name

Last studied School: Enter your last studied school

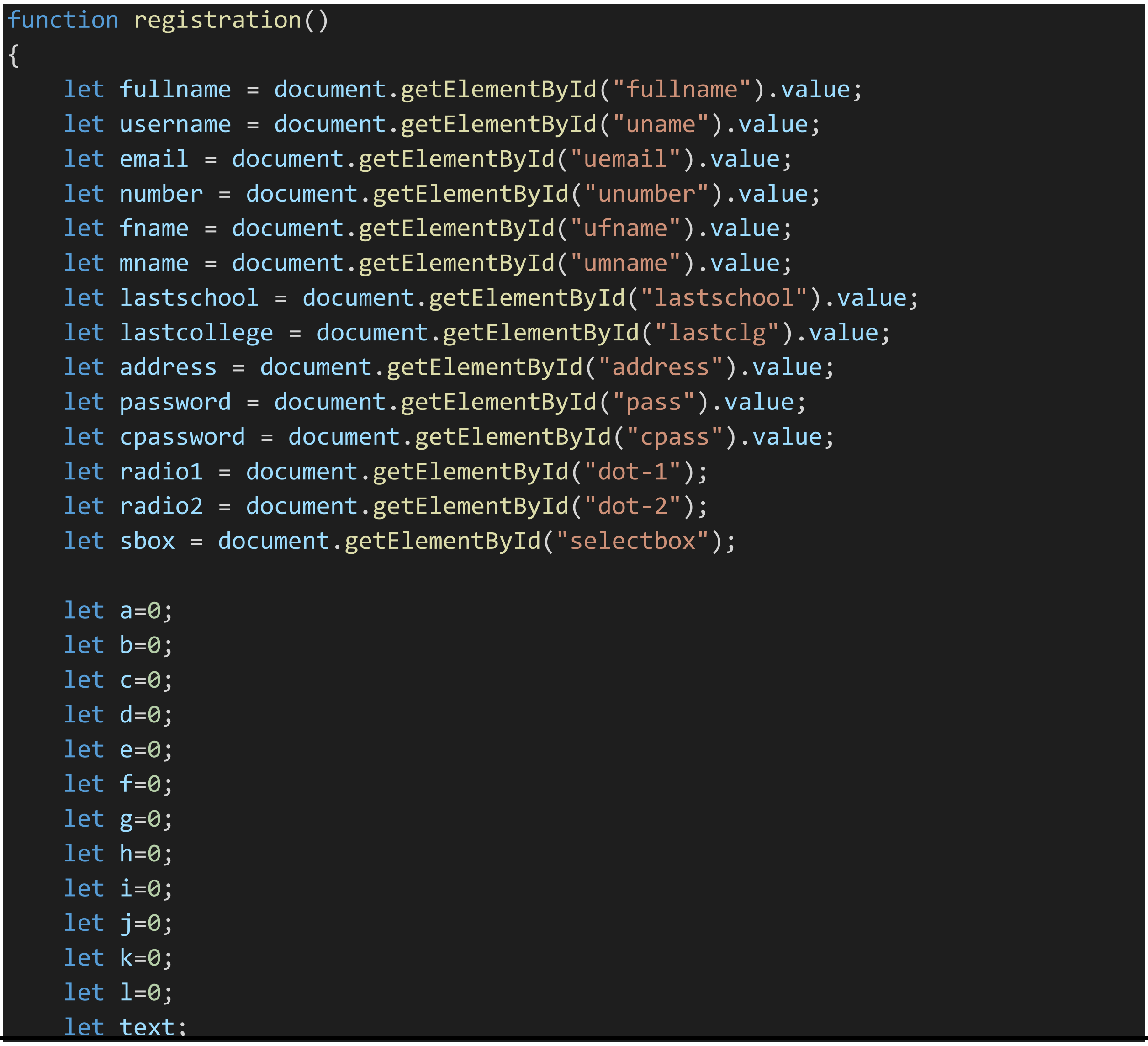
Last studied College: Enter your last studied college

SELECT COURSE YOU WISH TO PURSUE: SELECT BRANCH

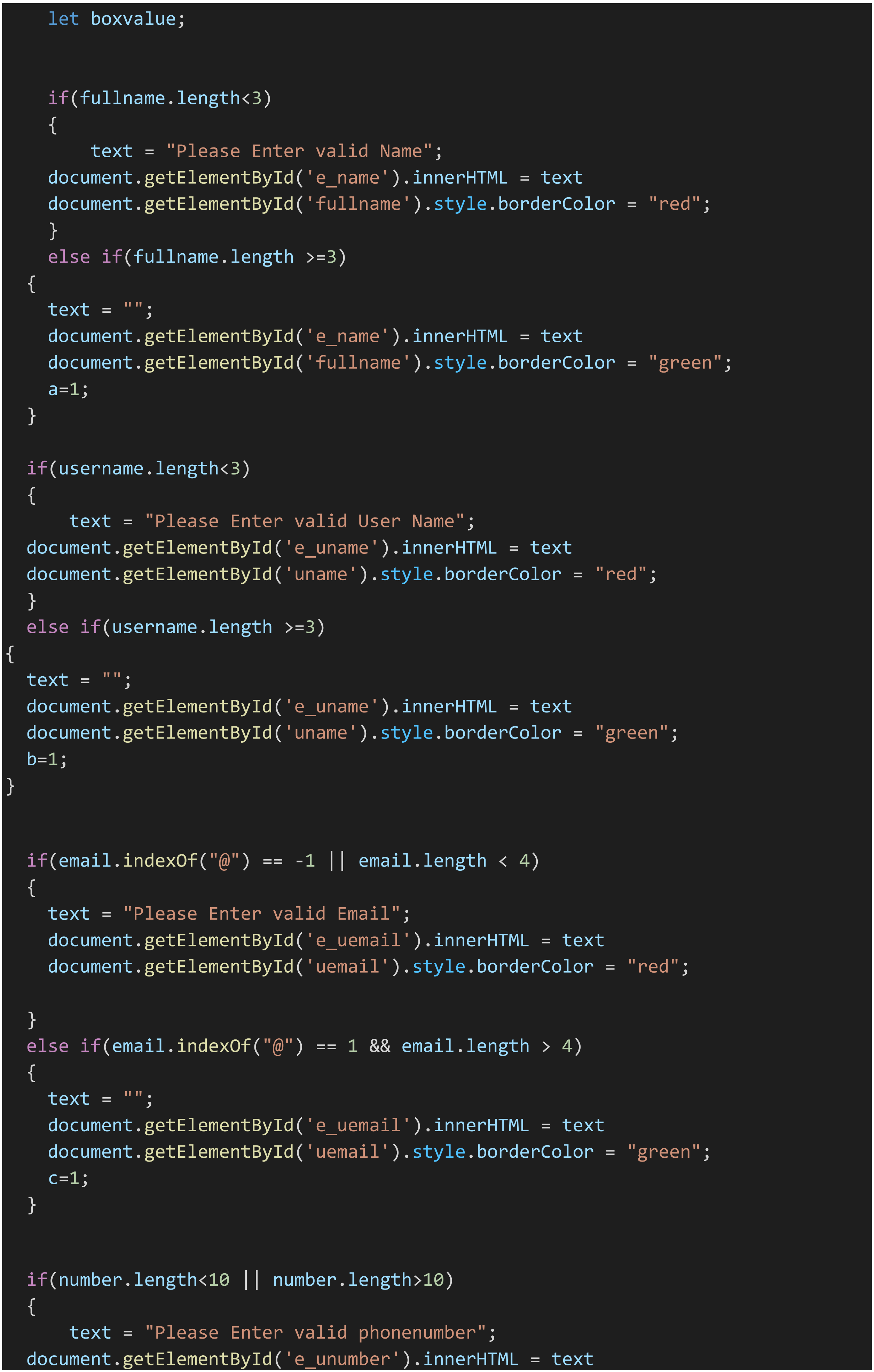
Address: Enter your Address

Password: Enter your password

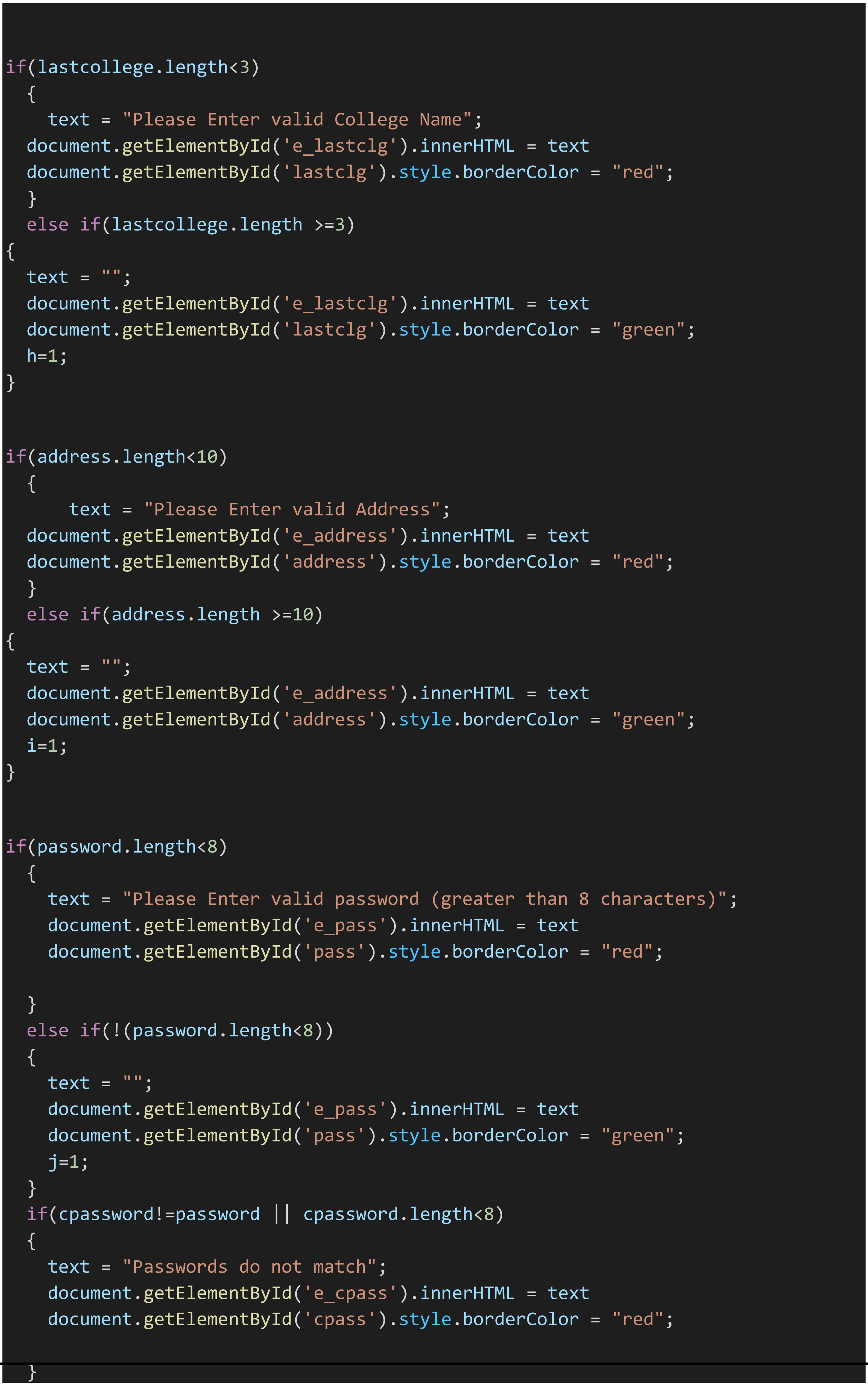
Confirm Password: Confirm your password



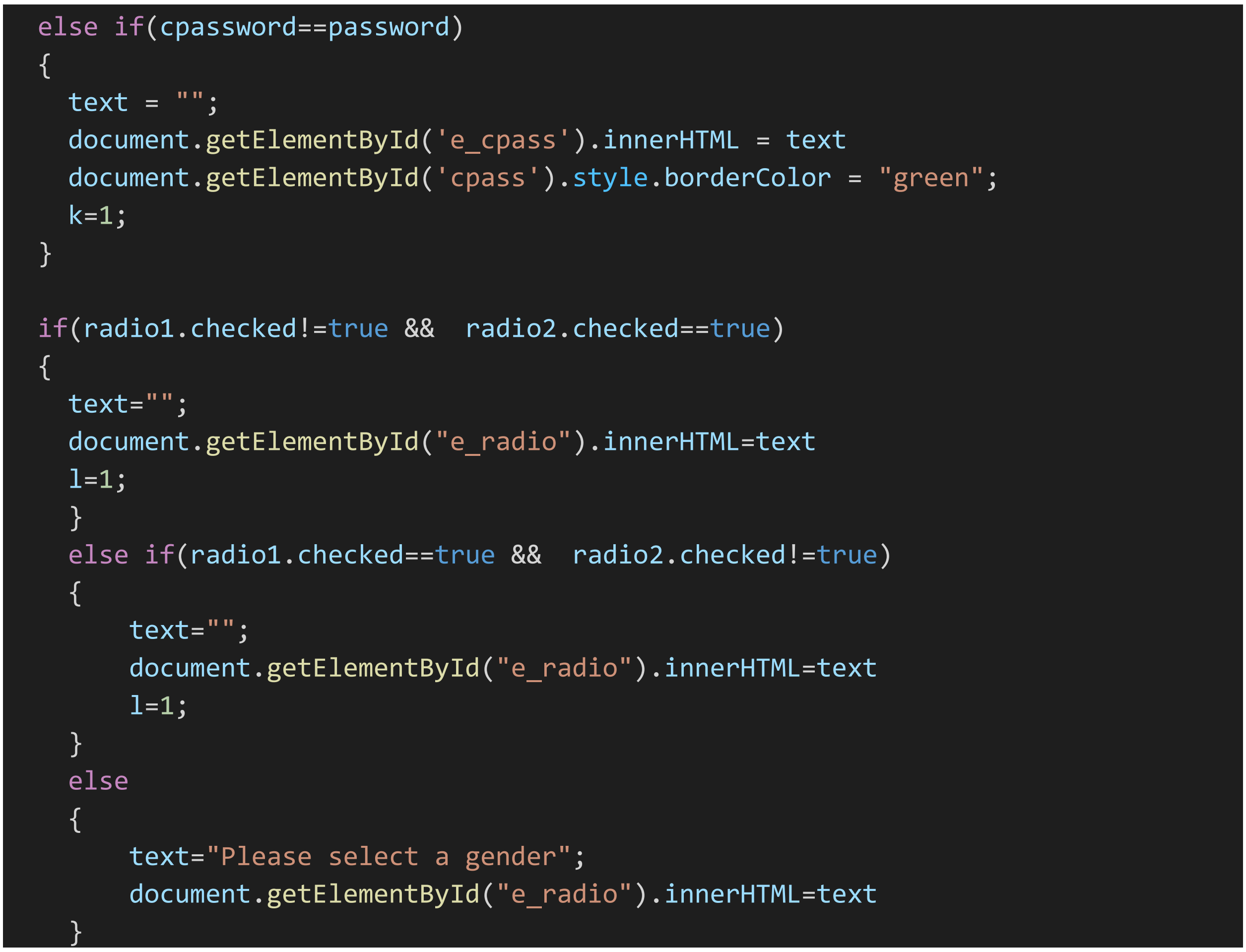
```
function registration()
{
    let fullname = document.getElementById("fullname").value;
    let username = document.getElementById("uname").value;
    let email = document.getElementById("uemail").value;
    let number = document.getElementById("unumber").value;
    let fname = document.getElementById("ufname").value;
    let mname = document.getElementById("umname").value;
    let lastschool = document.getElementById("lastschool").value;
    let lastcollege = document.getElementById("lastclg").value;
    let address = document.getElementById("address").value;
    let password = document.getElementById("pass").value;
    let cpassword = document.getElementById("cpass").value;
    let radio1 = document.getElementById("dot-1");
    let radio2 = document.getElementById("dot-2");
    let sbox = document.getElementById("selectbox");

    let a=0;
    let b=0;
    let c=0;
    let d=0;
    let e=0;
    let f=0;
    let g=0;
    let h=0;
    let i=0;
    let j=0;
    let k=0;
    let l=0;
    let text;
```



```
    let boxvalue;


    if(fullname.length<3)
    {
        text = "Please Enter valid Name";
    document.getElementById('e_name').innerHTML = text
    document.getElementById('fullname').style.borderColor = "red";
    }
    else if(fullname.length >=3)
  {
    text = "";
    document.getElementById('e_name').innerHTML = text
    document.getElementById('fullname').style.borderColor = "green";
    a=1;
  }

  if(username.length<3)
  {
      text = "Please Enter valid User Name";
  document.getElementById('e_uname').innerHTML = text
  document.getElementById('uname').style.borderColor = "red";
  }
  else if(username.length >=3)
{
  text = "";
  document.getElementById('e_uname').innerHTML = text
  document.getElementById('uname').style.borderColor = "green";
  b=1;
}


  if(email.indexOf("@") == -1 || email.length < 4)
  {
    text = "Please Enter valid Email";
    document.getElementById('e_uemail').innerHTML = text
    document.getElementById('uemail').style.borderColor = "red";

  }
  else if(email.indexOf("@") == 1 && email.length > 4)
  {
    text = "";
    document.getElementById('e_uemail').innerHTML = text
    document.getElementById('uemail').style.borderColor = "green";
    c=1;
  }


  if(number.length<10 || number.length>10)
  {
      text = "Please Enter valid phonenumber";
  document.getElementById('e_unumber').innerHTML = text
  document.getElementById('unumber').style.borderColor = "red";
  }
  else if(number.length ==10)
{
  text = "";
  document.getElementById('e_unumber').innerHTML = text
  document.getElementById('unumber').style.borderColor = "green";
  d=1;
}


if(fname.length<3)
  {
      text = "Please Enter valid Father Name";
  document.getElementById('e_ufname').innerHTML = text
  document.getElementById('ufname').style.borderColor = "red";
  }
  else if(fname.length >=3)
{
  text = "";
  document.getElementById('e_ufname').innerHTML = text
  document.getElementById('ufname').style.borderColor = "green";
  e=1;
}

if(mname.length<3)
  {
      text = "Please Enter valid Mother Name";
  document.getElementById('e_umname').innerHTML = text
  document.getElementById('umname').style.borderColor = "red";
  }
  else if(mname.length >=3)
{
  text = "";
  document.getElementById('e_umname').innerHTML = text
  document.getElementById('umname').style.borderColor = "green";
  f=1;
}

if(lastschool.length<3)
  {
      text = "Please Enter valid School Name";
  document.getElementById('e_lastschool').innerHTML = text
  document.getElementById('lastschool').style.borderColor = "red";
  }
  else if(lastschool.length >=3)
{
  text = "";
  document.getElementById('e_lastschool').innerHTML = text
  document.getElementById('lastschool').style.borderColor = "green";
  g=1;
}
```

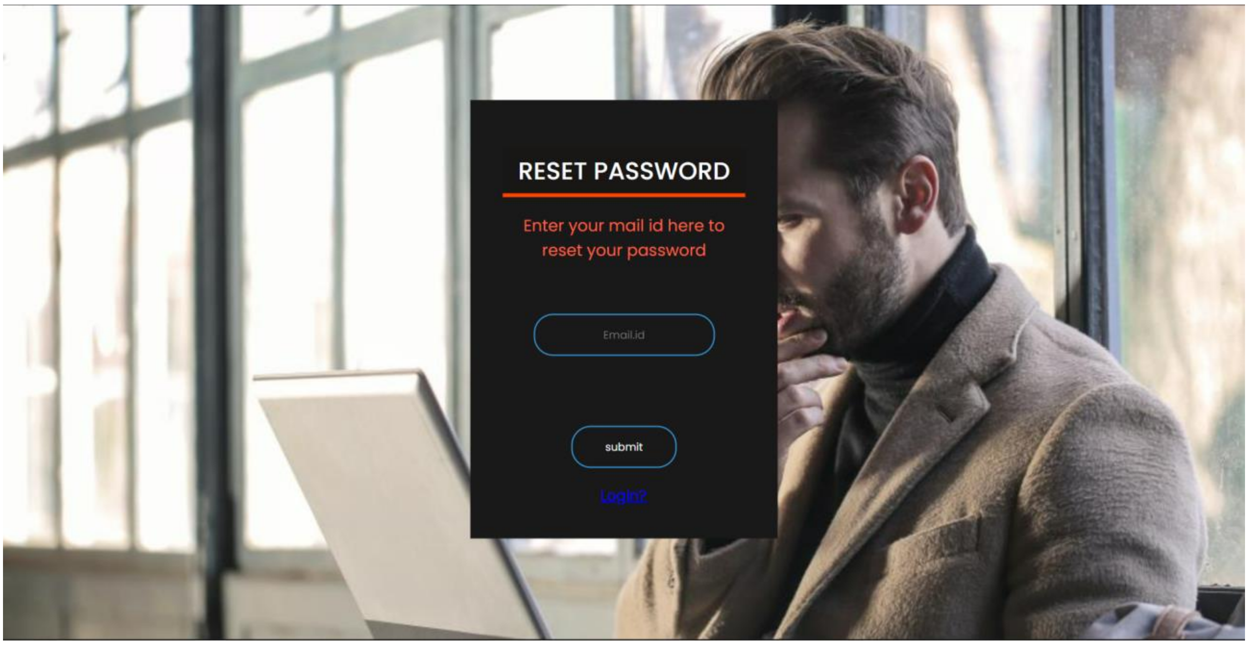


```
if(lastcollege.length<3)
  {
    text = "Please Enter valid College Name";
  document.getElementById('e_lastclg').innerHTML = text
  document.getElementById('lastclg').style.borderColor = "red";
  }
  else if(lastcollege.length >=3)
{
  text = "";
  document.getElementById('e_lastclg').innerHTML = text
  document.getElementById('lastclg').style.borderColor = "green";
  h=1;
}


if(address.length<10)
  {
      text = "Please Enter valid Address";
  document.getElementById('e_address').innerHTML = text
  document.getElementById('address').style.borderColor = "red";
  }
  else if(address.length >=10)
{
  text = "";
  document.getElementById('e_address').innerHTML = text
  document.getElementById('address').style.borderColor = "green";
  i=1;
}


if(password.length<8)
  {
    text = "Please Enter valid password (greater than 8 characters)";
    document.getElementById('e_pass').innerHTML = text
    document.getElementById('pass').style.borderColor = "red";

  }
  else if(!(password.length<8))
  {
    text = "";
    document.getElementById('e_pass').innerHTML = text
    document.getElementById('pass').style.borderColor = "green";
    j=1;
  }
  if(cpassword!=password || cpassword.length<8)
  {
    text = "Passwords do not match";
    document.getElementById('e_cpass').innerHTML = text
    document.getElementById('cpass').style.borderColor = "red";

  }
```



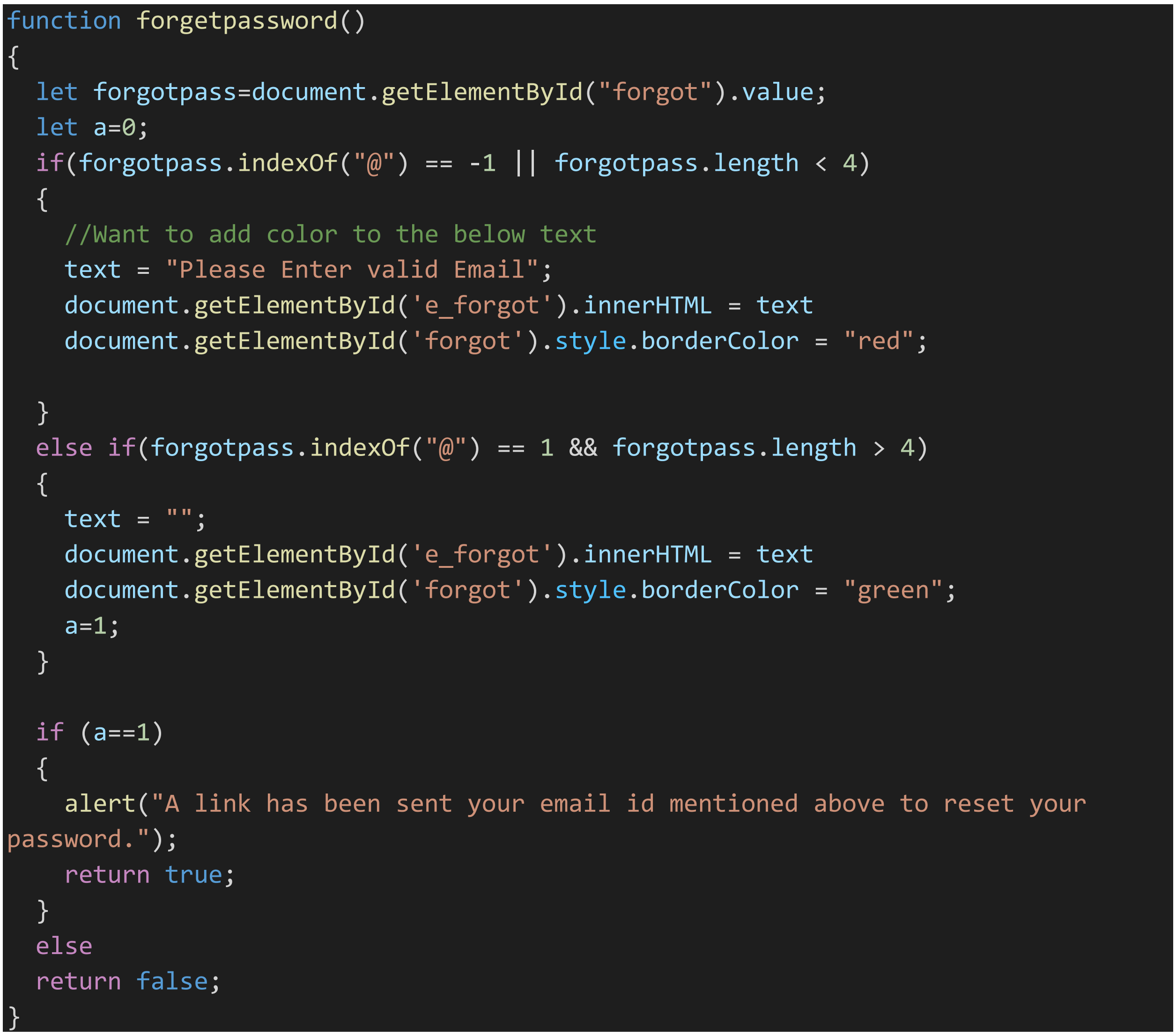
```
else if(cpassword==password)
{
  text = "";
  document.getElementById('e_cpass').innerHTML = text
  document.getElementById('cpass').style.borderColor = "green";
  k=1;
}

if(radio1.checked!=true &&  radio2.checked==true)
{
  text="";
  document.getElementById("e_radio").innerHTML=text
  l=1;
  }
  else if(radio1.checked==true &&  radio2.checked!=true)
  {
      text="";
      document.getElementById("e_radio").innerHTML=text
      l=1;
  }
  else
  {
      text="Please select a gender";
      document.getElementById("e_radio").innerHTML=text
  }
```

Forgot Password Page



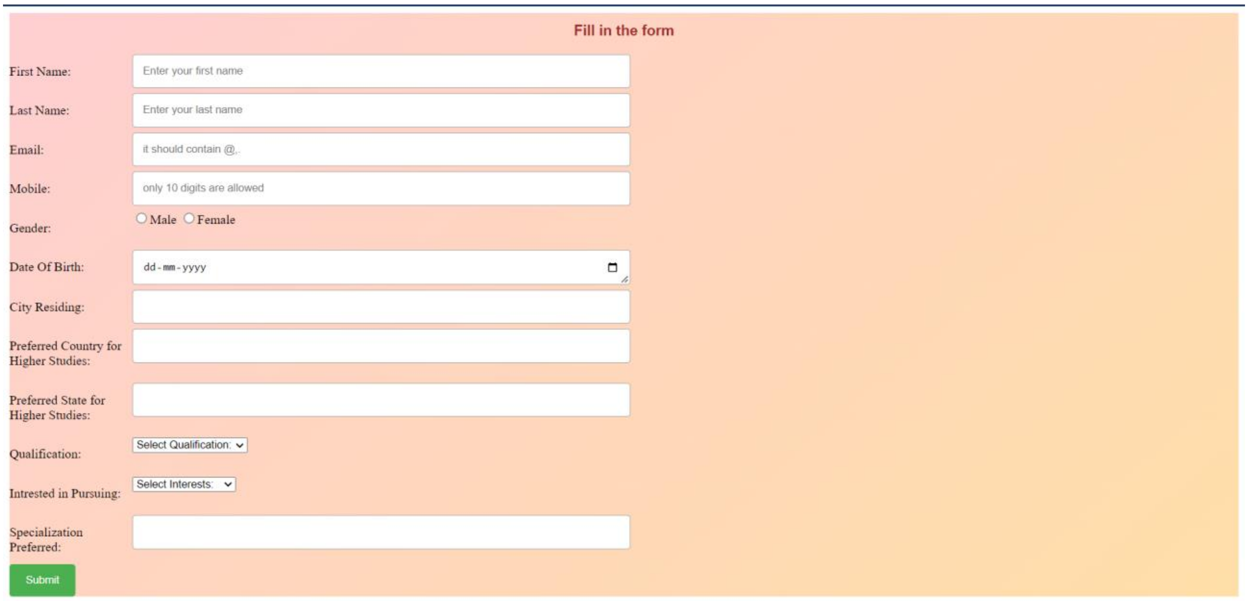
RESET PASSWORD

Enter your mail id here to reset your password



```
function forgetpassword()
{
  let forgotpass=document.getElementById("forgot").value;
  let a=0;
  if(forgotpass.indexOf("@") == -1 || forgotpass.length < 4)
  {
    //Want to add color to the below text
    text = "Please Enter valid Email";
    document.getElementById('e_forgot').innerHTML = text
    document.getElementById('forgot').style.borderColor = "red";

  }
  else if(forgotpass.indexOf("@") == 1 && forgotpass.length > 4)
  {
    text = "";
    document.getElementById('e_forgot').innerHTML = text
    document.getElementById('forgot').style.borderColor = "green";
    a=1;
  }

  if (a==1)
  {
    alert("A link has been sent your email id mentioned above to reset your
password.");
    return true;
  }
  else
  return false;
}
```

Form Page



Fill in the form

First Name: Enter your first name

Last Name: Enter your last name

Email: it should contain @.

Mobile: only 10 digits are allowed

Gender: ○ Male ○ Female

Date Of Birth: dd-mm-yyyy

City Residing:

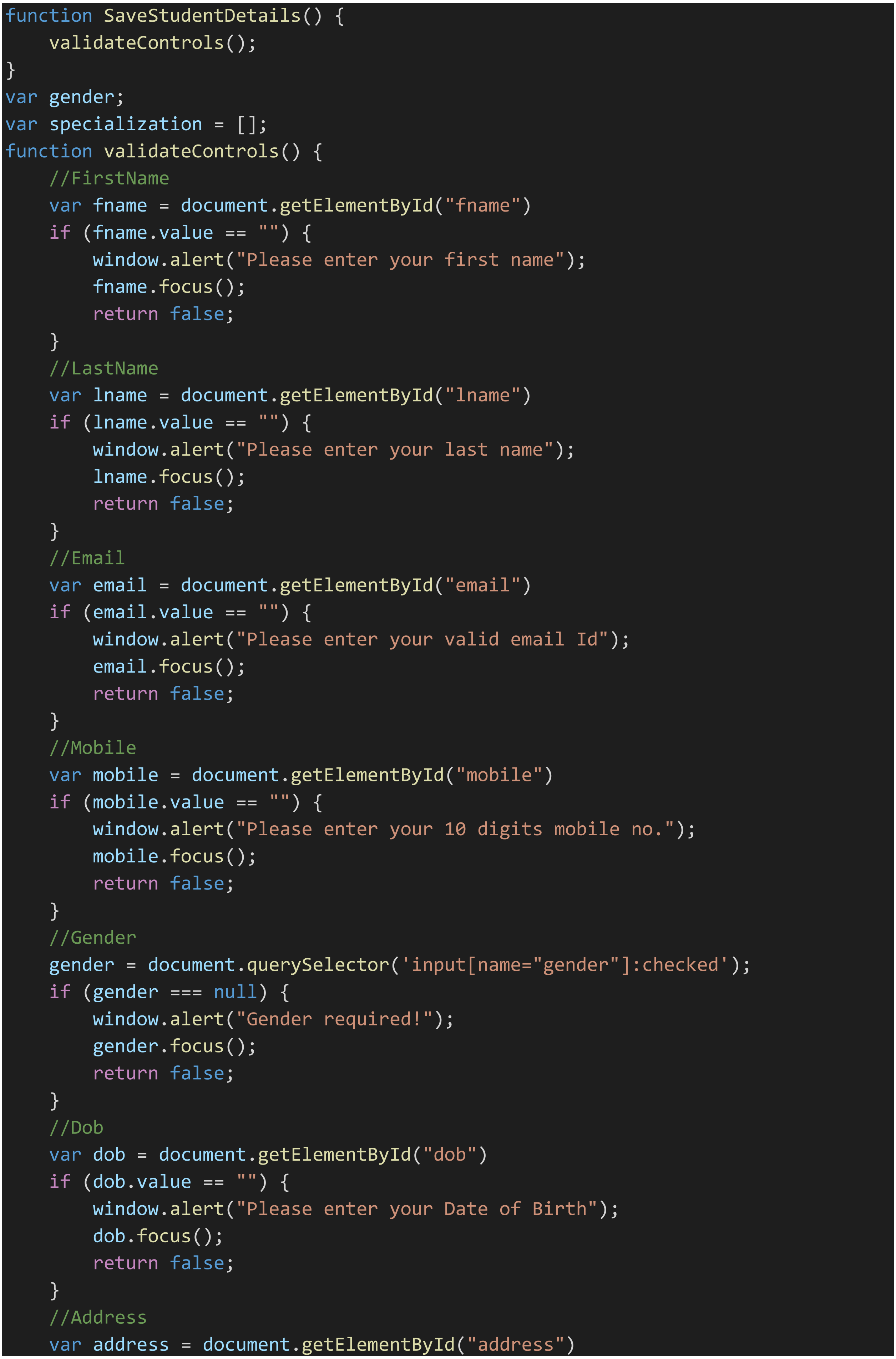
Preferred Country for Higher Studies:

Preferred State for Higher Studies:

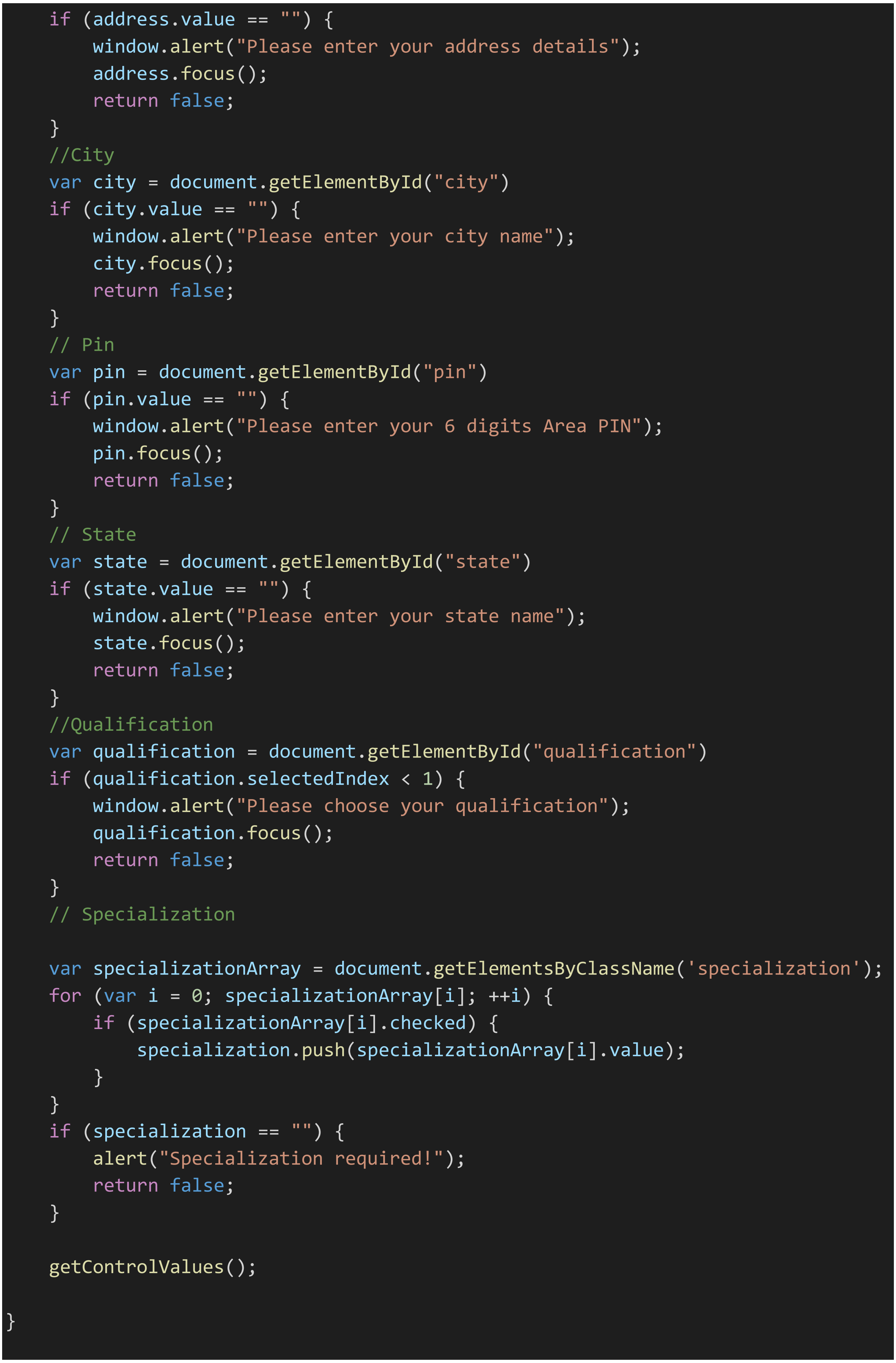
Qualification: Select Qualification:

Intrested in Pursuing: Select Interests:

Specialization Preferred:

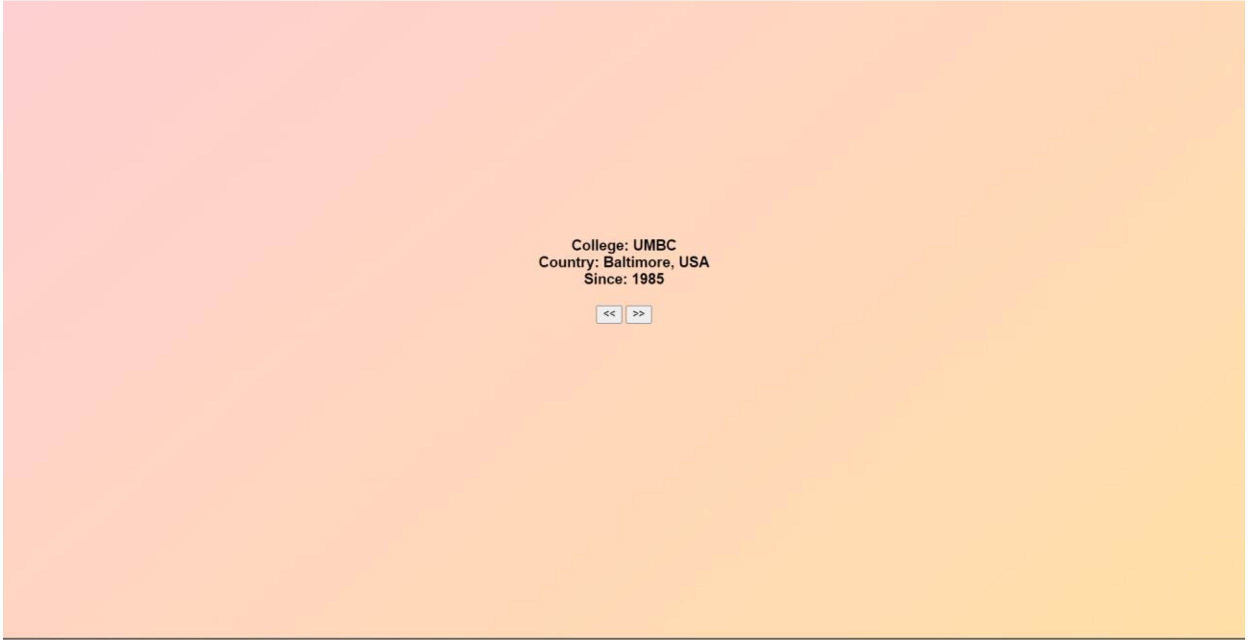


```
function SaveStudentDetails() {
    validateControls();
}
var gender;
var specialization = [];
function validateControls() {
    //FirstName
    var fname = document.getElementById("fname")
    if (fname.value == "") {
        window.alert("Please enter your first name");
        fname.focus();
        return false;
    }
    //LastName
    var lname = document.getElementById("lname")
    if (lname.value == "") {
        window.alert("Please enter your last name");
        lname.focus();
        return false;
    }
    //Email
    var email = document.getElementById("email")
    if (email.value == "") {
        window.alert("Please enter your valid email Id");
        email.focus();
        return false;
    }
    //Mobile
    var mobile = document.getElementById("mobile")
    if (mobile.value == "") {
        window.alert("Please enter your 10 digits mobile no.");
        mobile.focus();
        return false;
    }
    //Gender
    gender = document.querySelector('input[name="gender"]:checked');
    if (gender === null) {
        window.alert("Gender required!");
        gender.focus();
        return false;
    }
    //Dob
    var dob = document.getElementById("dob")
    if (dob.value == "") {
        window.alert("Please enter your Date of Birth");
        dob.focus();
        return false;
    }
    //Address
    var address = document.getElementById("address")
```

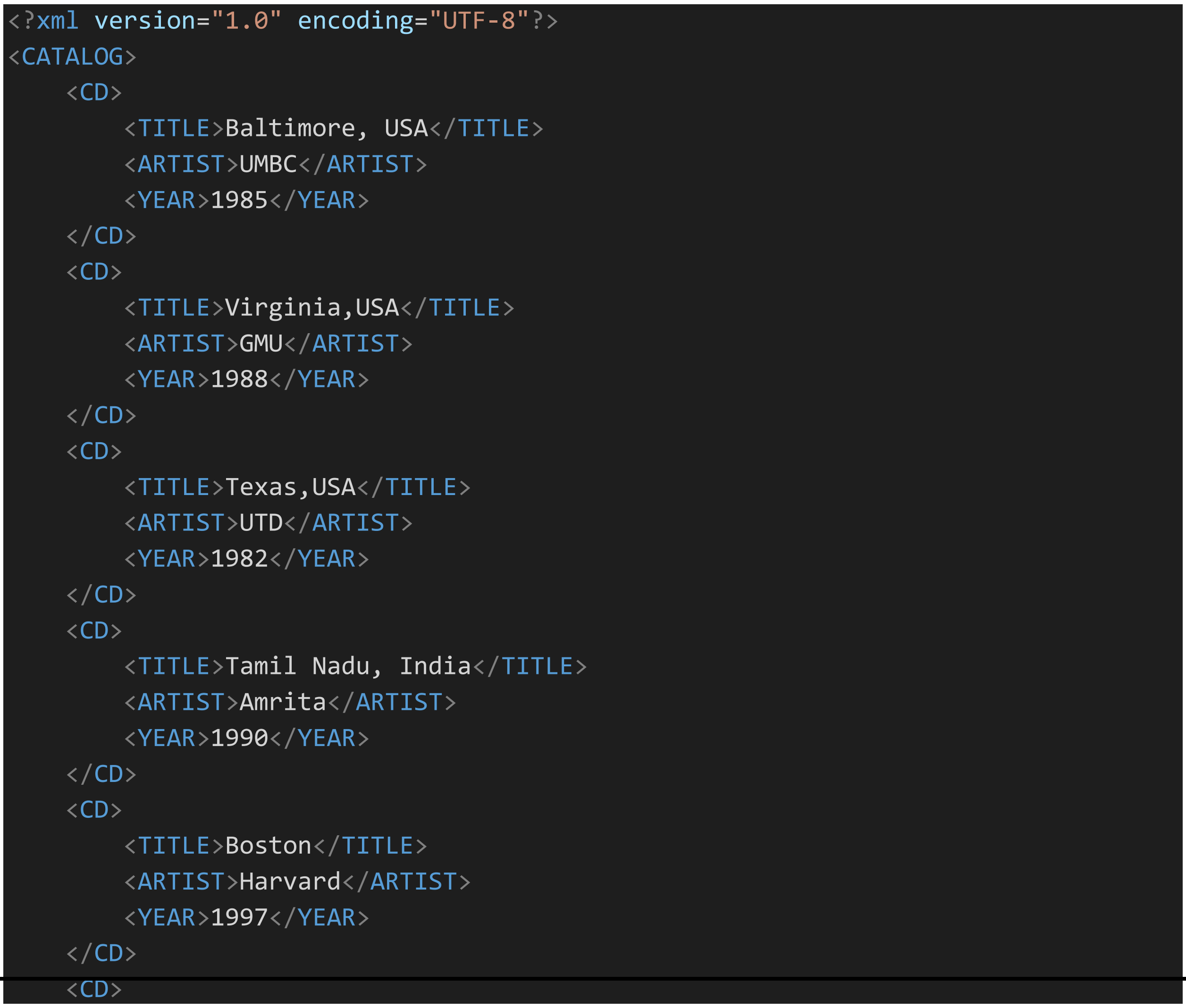


```
    if (address.value == "") {
        window.alert("Please enter your address details");
        address.focus();
        return false;
    }
    //City
    var city = document.getElementById("city")
    if (city.value == "") {
        window.alert("Please enter your city name");
        city.focus();
        return false;
    }
    // Pin
    var pin = document.getElementById("pin")
    if (pin.value == "") {
        window.alert("Please enter your 6 digits Area PIN");
        pin.focus();
        return false;
    }
    // State
    var state = document.getElementById("state")
    if (state.value == "") {
        window.alert("Please enter your state name");
        state.focus();
        return false;
    }
    //Qualification
    var qualification = document.getElementById("qualification")
    if (qualification.selectedIndex < 1) {
        window.alert("Please choose your qualification");
        qualification.focus();
        return false;
    }
    // Specialization

    var specializationArray = document.getElementsByClassName('specialization');
    for (var i = 0; specializationArray[i]; ++i) {
        if (specializationArray[i].checked) {
            specialization.push(specializationArray[i].value);
        }
    }
    if (specialization == "") {
        alert("Specialization required!");
        return false;
    }

    getControlValues();

}
```

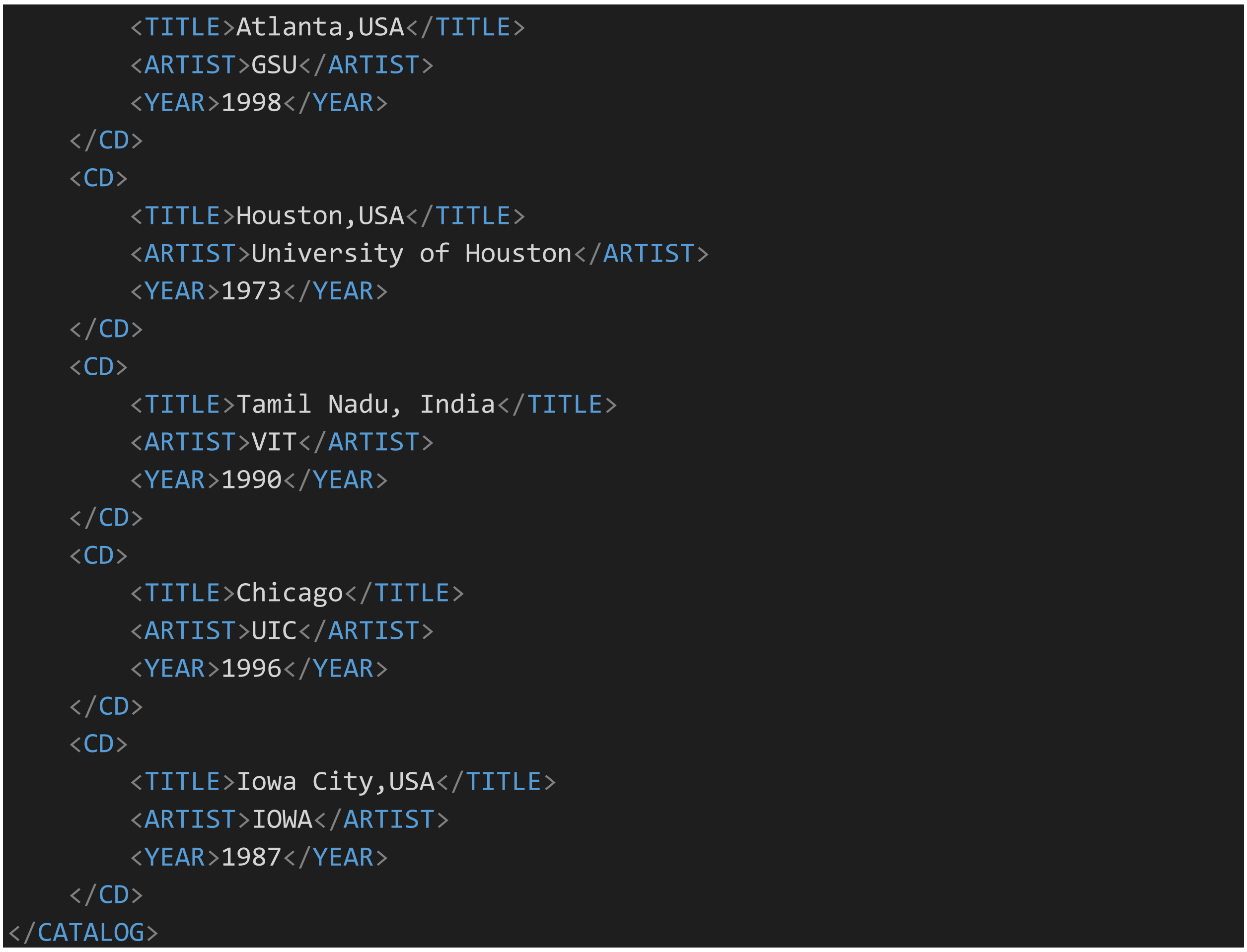
XML Page



College: UMBC
Country: Baltimore, USA
Since: 1985

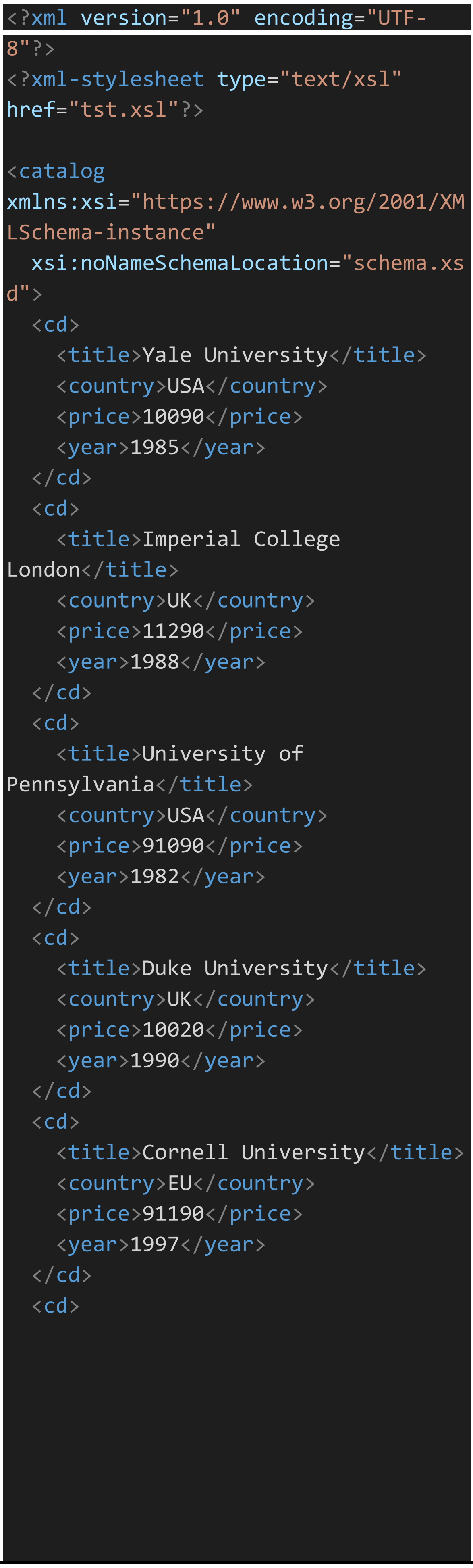


```
<?xml version="1.0" encoding="UTF-8"?>
<CATALOG>
    <CD>
        <TITLE>Baltimore, USA</TITLE>
        <ARTIST>UMBC</ARTIST>
        <YEAR>1985</YEAR>
    </CD>
    <CD>
        <TITLE>Virginia,USA</TITLE>
        <ARTIST>GMU</ARTIST>
        <YEAR>1988</YEAR>
    </CD>
    <CD>
        <TITLE>Texas,USA</TITLE>
        <ARTIST>UTD</ARTIST>
        <YEAR>1982</YEAR>
    </CD>
    <CD>
        <TITLE>Tamil Nadu, India</TITLE>
        <ARTIST>Amrita</ARTIST>
        <YEAR>1990</YEAR>
    </CD>
    <CD>
        <TITLE>Boston</TITLE>
        <ARTIST>Harvard</ARTIST>
        <YEAR>1997</YEAR>
    </CD>
    <CD>
```

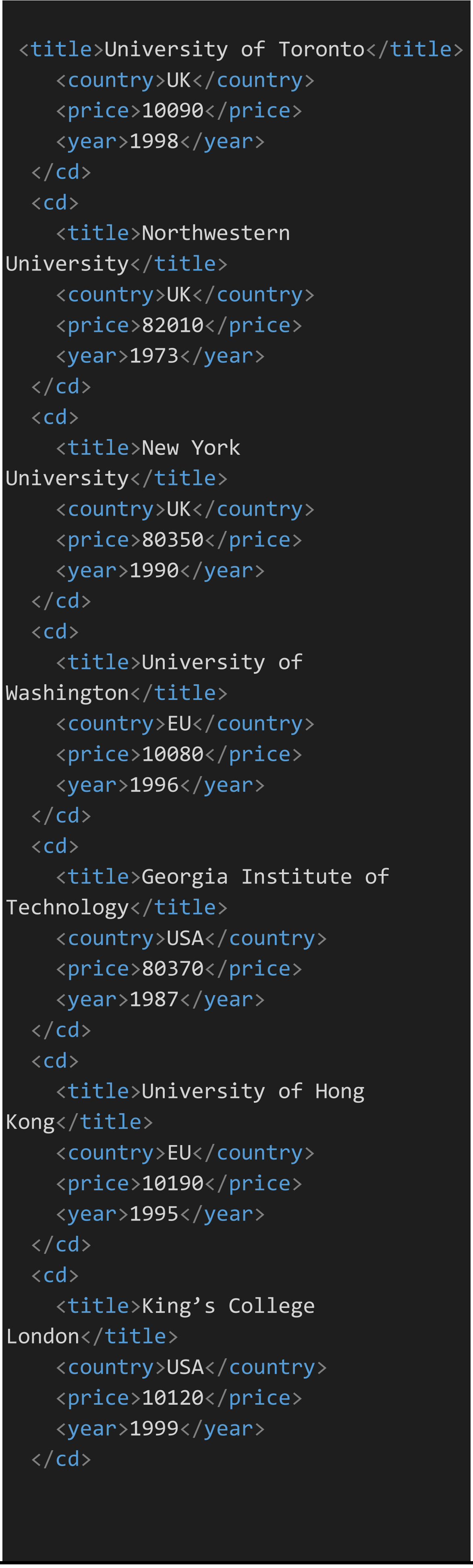


```
        <TITLE>Atlanta,USA</TITLE>
        <ARTIST>GSU</ARTIST>
        <YEAR>1998</YEAR>
    </CD>
    <CD>
        <TITLE>Houston,USA</TITLE>
        <ARTIST>University of Houston</ARTIST>
        <YEAR>1973</YEAR>
    </CD>
    <CD>
        <TITLE>Tamil Nadu, India</TITLE>
        <ARTIST>VIT</ARTIST>
        <YEAR>1990</YEAR>
    </CD>
    <CD>
        <TITLE>Chicago</TITLE>
        <ARTIST>UIC</ARTIST>
        <YEAR>1996</YEAR>
    </CD>
    <CD>
        <TITLE>Iowa City,USA</TITLE>
        <ARTIST>IOWA</ARTIST>
        <YEAR>1987</YEAR>
    </CD>
</CATALOG>
```

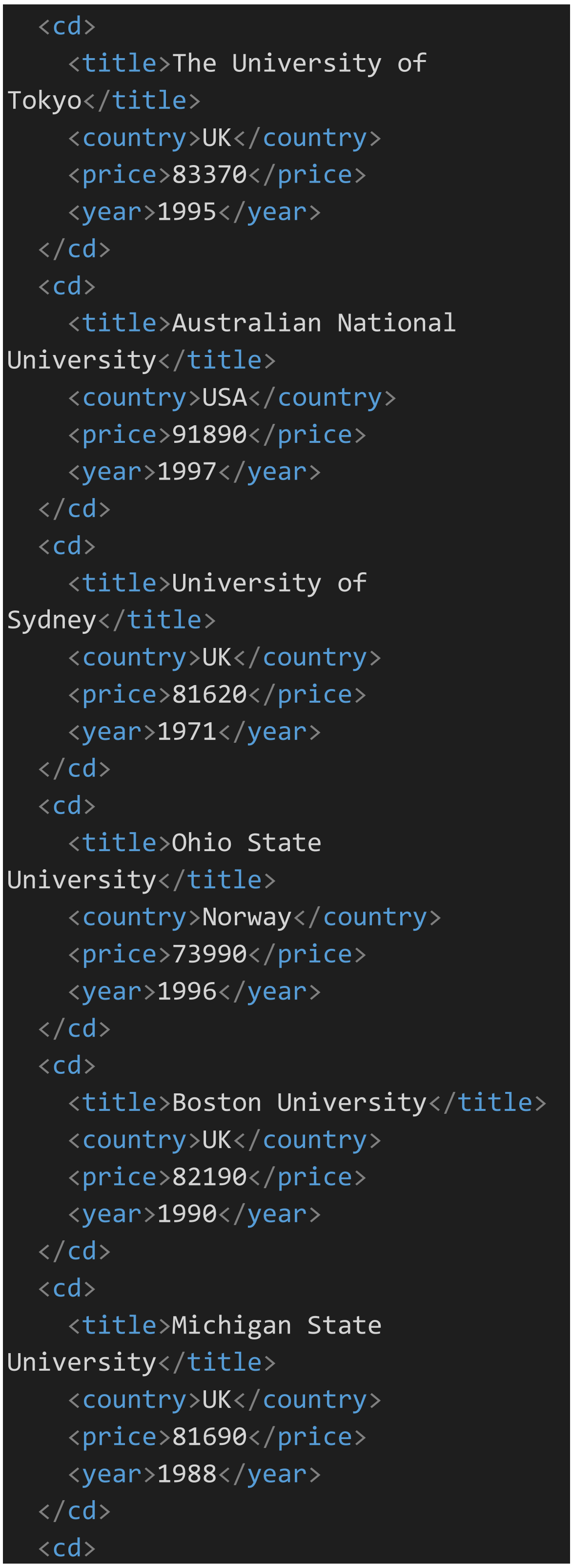
XML File



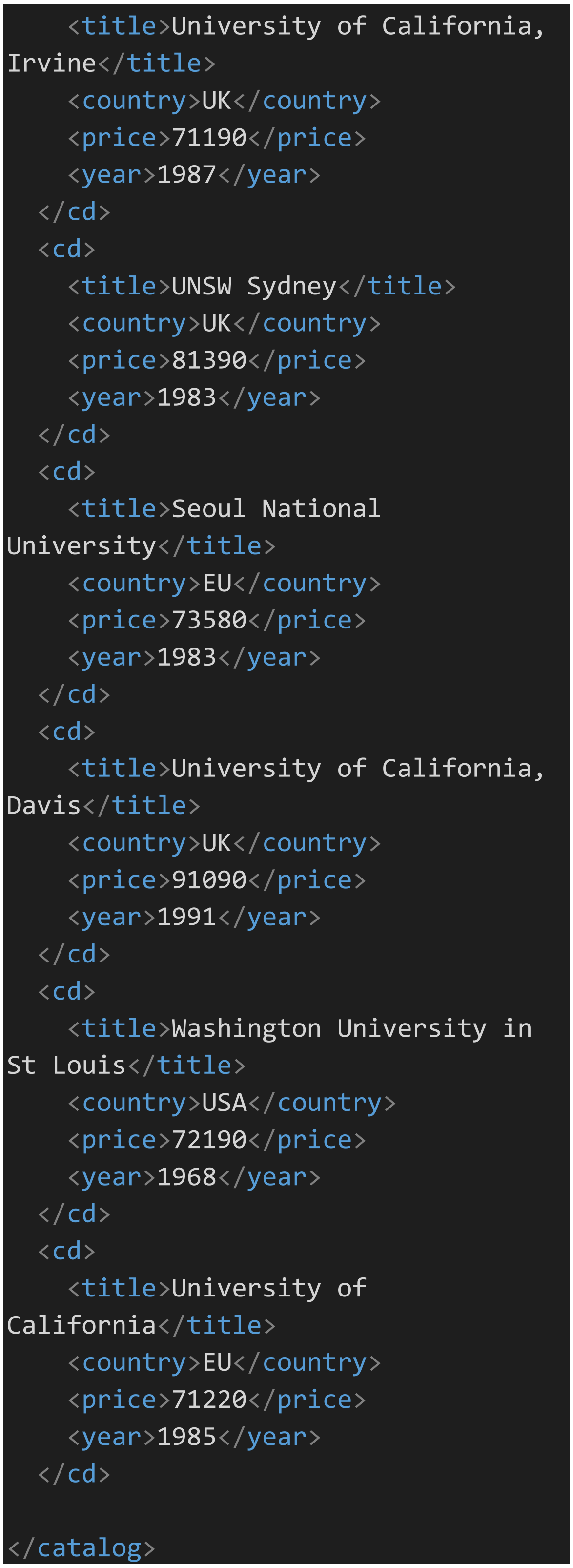
```xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="tst.xsl"?>

<catalog xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"
  xsi:noNameSchemaLocation="schema.xsd">
  <cd>
    <title>Yale University</title>
    <country>USA</country>
    <price>10090</price>
    <year>1985</year>
  </cd>
  <cd>
    <title>Imperial College London</title>
    <country>UK</country>
    <price>11290</price>
    <year>1988</year>
  </cd>
  <cd>
    <title>University of Pennsylvania</title>
    <country>USA</country>
    <price>91090</price>
    <year>1982</year>
  </cd>
  <cd>
    <title>Duke University</title>
    <country>UK</country>
    <price>10020</price>
    <year>1990</year>
  </cd>
  <cd>
    <title>Cornell University</title>
    <country>EU</country>
    <price>91190</price>
    <year>1997</year>
  </cd>
  <cd>
```



```xml
 <title>University of Toronto</title>
    <country>UK</country>
    <price>10090</price>
    <year>1998</year>
  </cd>
  <cd>
    <title>Northwestern University</title>
    <country>UK</country>
    <price>82010</price>
    <year>1973</year>
  </cd>
  <cd>
    <title>New York University</title>
    <country>UK</country>
    <price>80350</price>
    <year>1990</year>
  </cd>
  <cd>
    <title>University of Washington</title>
    <country>EU</country>
    <price>10080</price>
    <year>1996</year>
  </cd>
  <cd>
    <title>Georgia Institute of Technology</title>
    <country>USA</country>
    <price>80370</price>
    <year>1987</year>
  </cd>
  <cd>
    <title>University of Hong Kong</title>
    <country>EU</country>
    <price>10190</price>
    <year>1995</year>
  </cd>
  <cd>
    <title>King’s College London</title>
    <country>USA</country>
    <price>10120</price>
    <year>1999</year>
  </cd>
```



```
  <cd>
    <title>The University of
Tokyo</title>
    <country>UK</country>
    <price>83370</price>
    <year>1995</year>
  </cd>
  <cd>
    <title>Australian National
University</title>
    <country>USA</country>
    <price>91890</price>
    <year>1997</year>
  </cd>
  <cd>
    <title>University of
Sydney</title>
    <country>UK</country>
    <price>81620</price>
    <year>1971</year>
  </cd>
  <cd>
    <title>Ohio State
University</title>
    <country>Norway</country>
    <price>73990</price>
    <year>1996</year>
  </cd>
  <cd>
    <title>Boston University</title>
    <country>UK</country>
    <price>82190</price>
    <year>1990</year>
  </cd>
  <cd>
    <title>Michigan State
University</title>
    <country>UK</country>
    <price>81690</price>
    <year>1988</year>
  </cd>
  <cd>
```

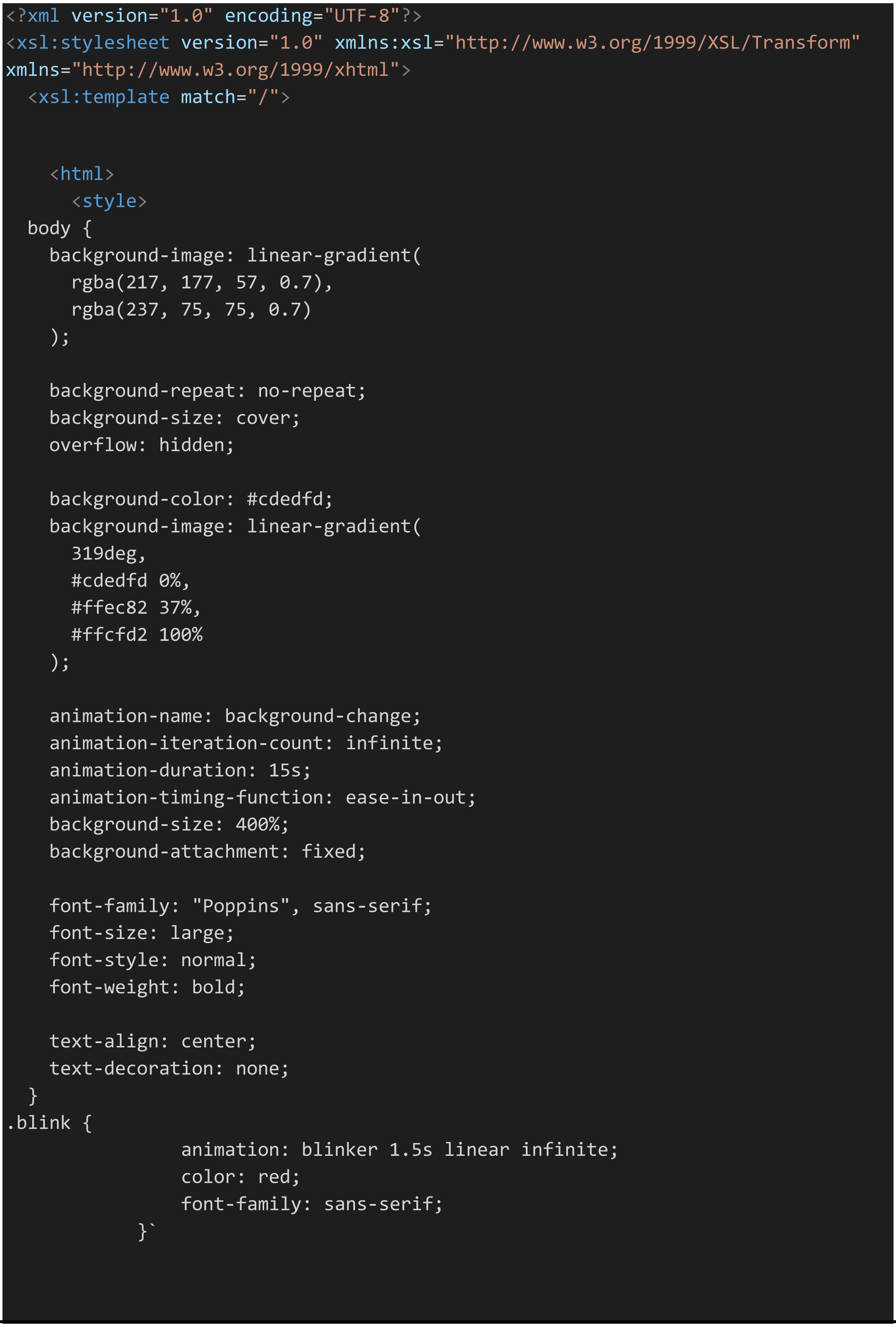


```
    <title>University of California,
Irvine</title>
    <country>UK</country>
    <price>71190</price>
    <year>1987</year>
  </cd>
  <cd>
    <title>UNSW Sydney</title>
    <country>UK</country>
    <price>81390</price>
    <year>1983</year>
  </cd>
  <cd>
    <title>Seoul National
University</title>
    <country>EU</country>
    <price>73580</price>
    <year>1983</year>
  </cd>
  <cd>
    <title>University of California,
Davis</title>
    <country>UK</country>
    <price>91090</price>
    <year>1991</year>
  </cd>
  <cd>
    <title>Washington University in
St Louis</title>
    <country>USA</country>
    <price>72190</price>
    <year>1968</year>
  </cd>
  <cd>
    <title>University of
California</title>
    <country>EU</country>
    <price>71220</price>
    <year>1985</year>
  </cd>

</catalog>
```

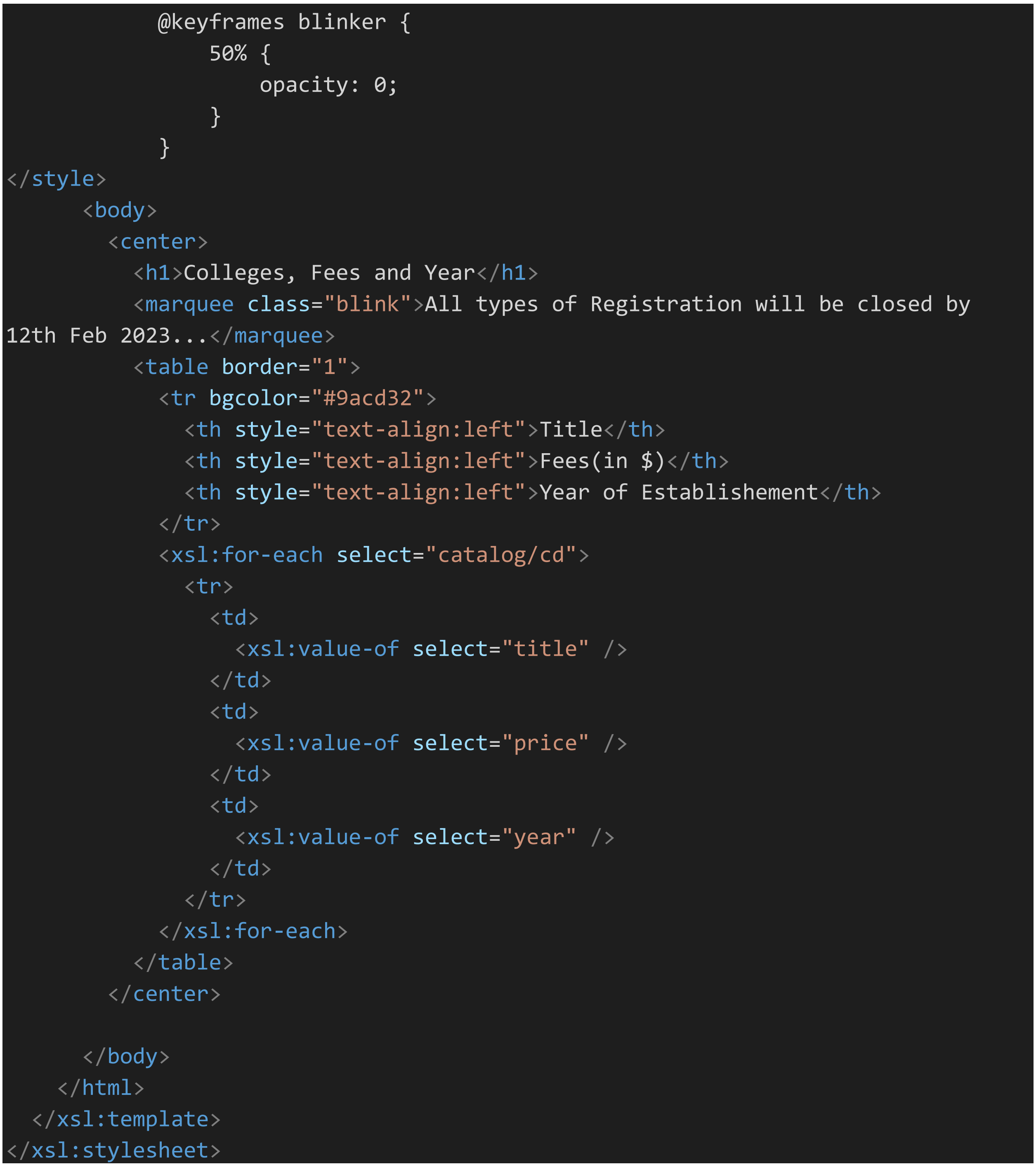
XML Schema

```xml
<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:element name="catalog">
        <xs:complexType>
            <xs:sequence>
                <xs:element name="cd" maxOccurs="unbounded" minOccurs="0">
                    <xs:complexType>
                        <xs:sequence>
                            <xs:element type="xs:string" name="title" />
                            <xs:element type="xs:string" name="country" />
                            <xs:element type="xs:short" name="price" />
                            <xs:element type="xs:short" name="year" />
                        </xs:sequence>
                    </xs:complexType>
                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
</xs:schema>
```

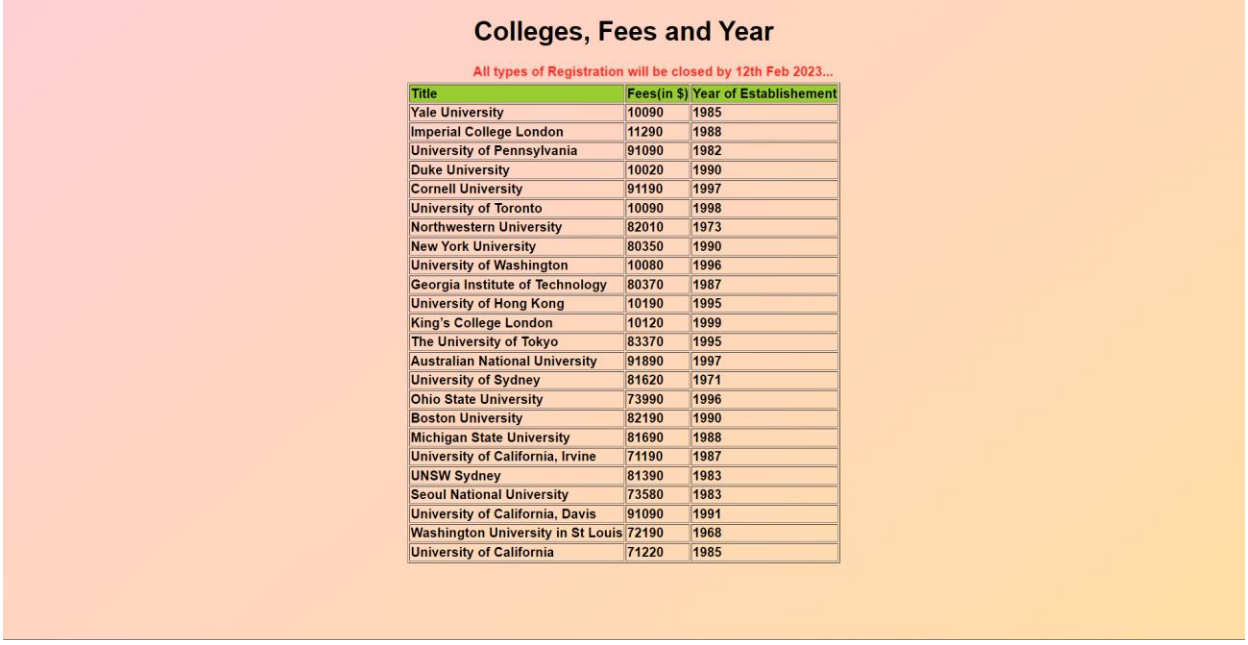
XSLT



```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns="http://www.w3.org/1999/xhtml">
  <xsl:template match="/">


    <html>
      <style>
  body {
    background-image: linear-gradient(
      rgba(217, 177, 57, 0.7),
      rgba(237, 75, 75, 0.7)
    );

    background-repeat: no-repeat;
    background-size: cover;
    overflow: hidden;

    background-color: #cdedfd;
    background-image: linear-gradient(
      319deg,
      #cdedfd 0%,
      #ffec82 37%,
      #ffcfd2 100%
    );

    animation-name: background-change;
    animation-iteration-count: infinite;
    animation-duration: 15s;
    animation-timing-function: ease-in-out;
    background-size: 400%;
    background-attachment: fixed;

    font-family: "Poppins", sans-serif;
    font-size: large;
    font-style: normal;
    font-weight: bold;

    text-align: center;
    text-decoration: none;
  }
.blink {
                animation: blinker 1.5s linear infinite;
                color: red;
                font-family: sans-serif;
            }`
```



```
            @keyframes blinker {
                50% {
                    opacity: 0;
                }
            }
</style>
      <body>
        <center>
          <h1>Colleges, Fees and Year</h1>
          <marquee class="blink">All types of Registration will be closed by
12th Feb 2023...</marquee>
          <table border="1">
            <tr bgcolor="#9acd32">
              <th style="text-align:left">Title</th>
              <th style="text-align:left">Fees(in $)</th>
              <th style="text-align:left">Year of Establishement</th>
            </tr>
            <xsl:for-each select="catalog/cd">
              <tr>
                <td>
                  <xsl:value-of select="title" />
                </td>
                <td>
                  <xsl:value-of select="price" />
                </td>
                <td>
                  <xsl:value-of select="year" />
                </td>
              </tr>
            </xsl:for-each>
          </table>
        </center>

      </body>
    </html>
  </xsl:template>
</xsl:stylesheet>
```



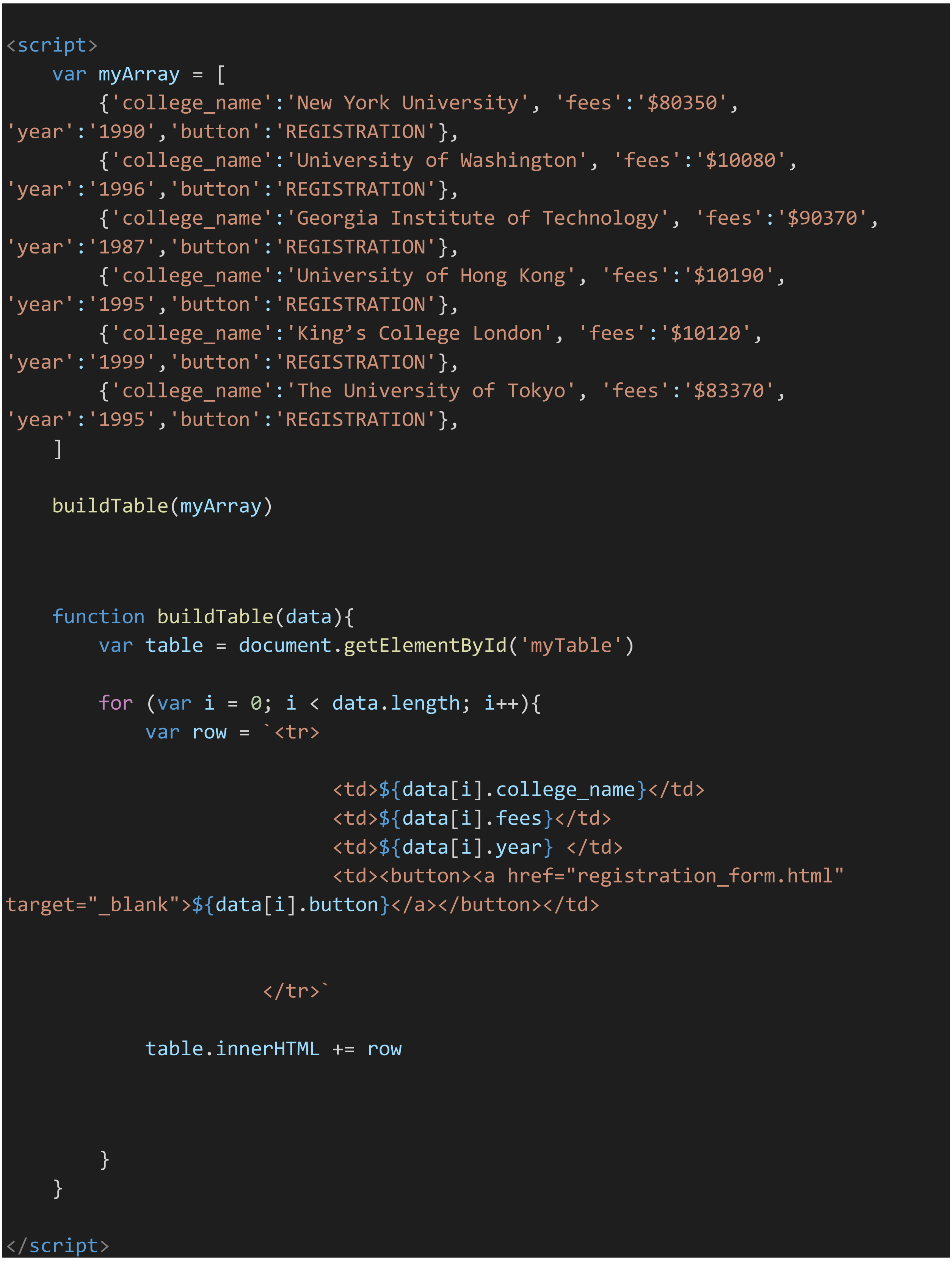
Colleges, Fees and Year

All types of Registration will be closed by 12th Feb 2023...

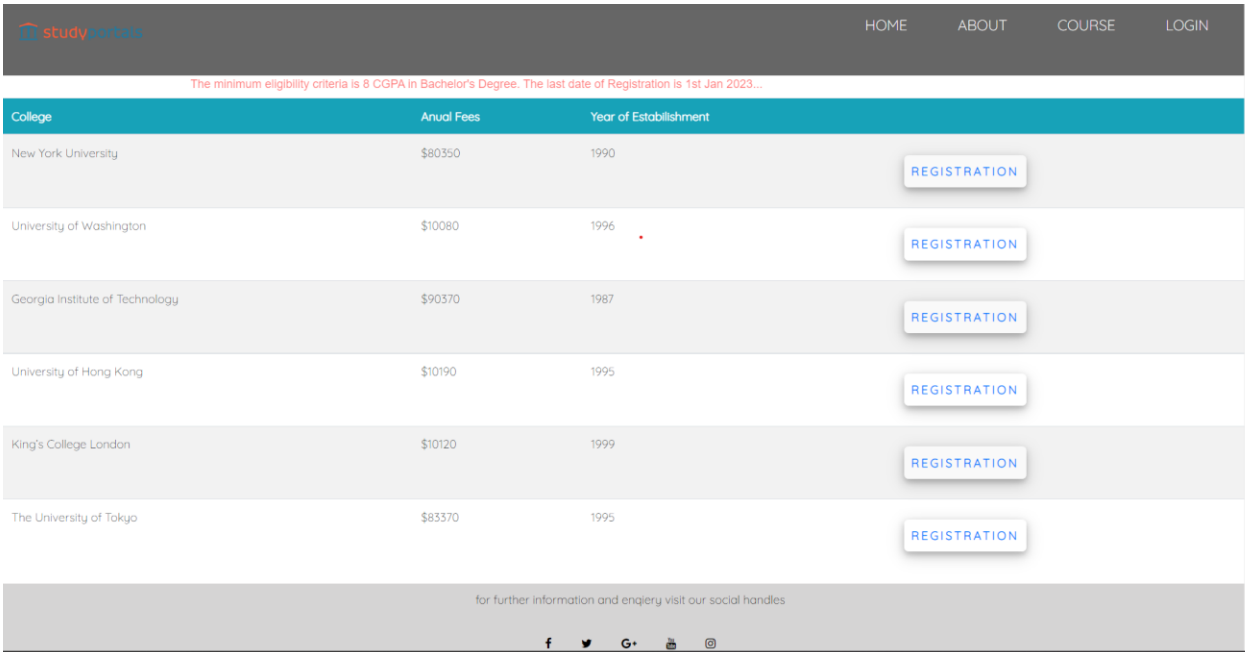
Title	Fees(in $)	Year of Establishement
Yale University	10090	1985
Imperial College London	11290	1988
University of Pennsylvania	91090	1982
Duke University	10020	1990
Cornell University	91190	1997
University of Toronto	10090	1998
Northwestern University	82010	1973
New York University	80350	1990
University of Washington	10080	1996
Georgia Institute of Technology	80370	1987
University of Hong Kong	10190	1995
King's College London	10120	1999
The University of Tokyo	83370	1995
Australian National University	91890	1997
University of Sydney	81620	1971
Ohio State University	73990	1996
Boston University	82190	1990
Michigan State University	81690	1988
University of California, Irvine	71190	1987
UNSW Sydney	81390	1983
Seoul National University	73580	1983
University of California, Davis	91090	1991
Washington University in St Louis	72190	1968
University of California	71220	1985

JSON

Page 1:



```
<script>
    var myArray = [
        {'college_name':'New York University', 'fees':'$80350', 
'year':'1990','button':'REGISTRATION'},
        {'college_name':'University of Washington', 'fees':'$10080', 
'year':'1996','button':'REGISTRATION'},
        {'college_name':'Georgia Institute of Technology', 'fees':'$90370', 
'year':'1987','button':'REGISTRATION'},
        {'college_name':'University of Hong Kong', 'fees':'$10190', 
'year':'1995','button':'REGISTRATION'},
        {'college_name':'King’s College London', 'fees':'$10120', 
'year':'1999','button':'REGISTRATION'},
        {'college_name':'The University of Tokyo', 'fees':'$83370', 
'year':'1995','button':'REGISTRATION'},
    ]

    buildTable(myArray)



    function buildTable(data){
        var table = document.getElementById('myTable')

        for (var i = 0; i < data.length; i++){
            var row = `<tr>

                            <td>${data[i].college_name}</td>
                            <td>${data[i].fees}</td>
                            <td>${data[i].year} </td>
                            <td><button><a href="registration_form.html" 
target="_blank">${data[i].button}</a></button></td>


                      </tr>`

            table.innerHTML += row



        }
    }

</script>
```



The minimum eligibility criteria is 8 CGPA in Bachelor's Degree. The last date of Registration is 1st Jan 2023...

College	Anual Fees	Year of Establishment	
New York University	$80350	1990	REGISTRATION
University of Washington	$10080	1996	REGISTRATION
Georgia Institute of Technology	$90370	1987	REGISTRATION
University of Hong Kong	$10190	1995	REGISTRATION
King's College London	$10120	1999	REGISTRATION
The University of Tokyo	$83370	1995	REGISTRATION

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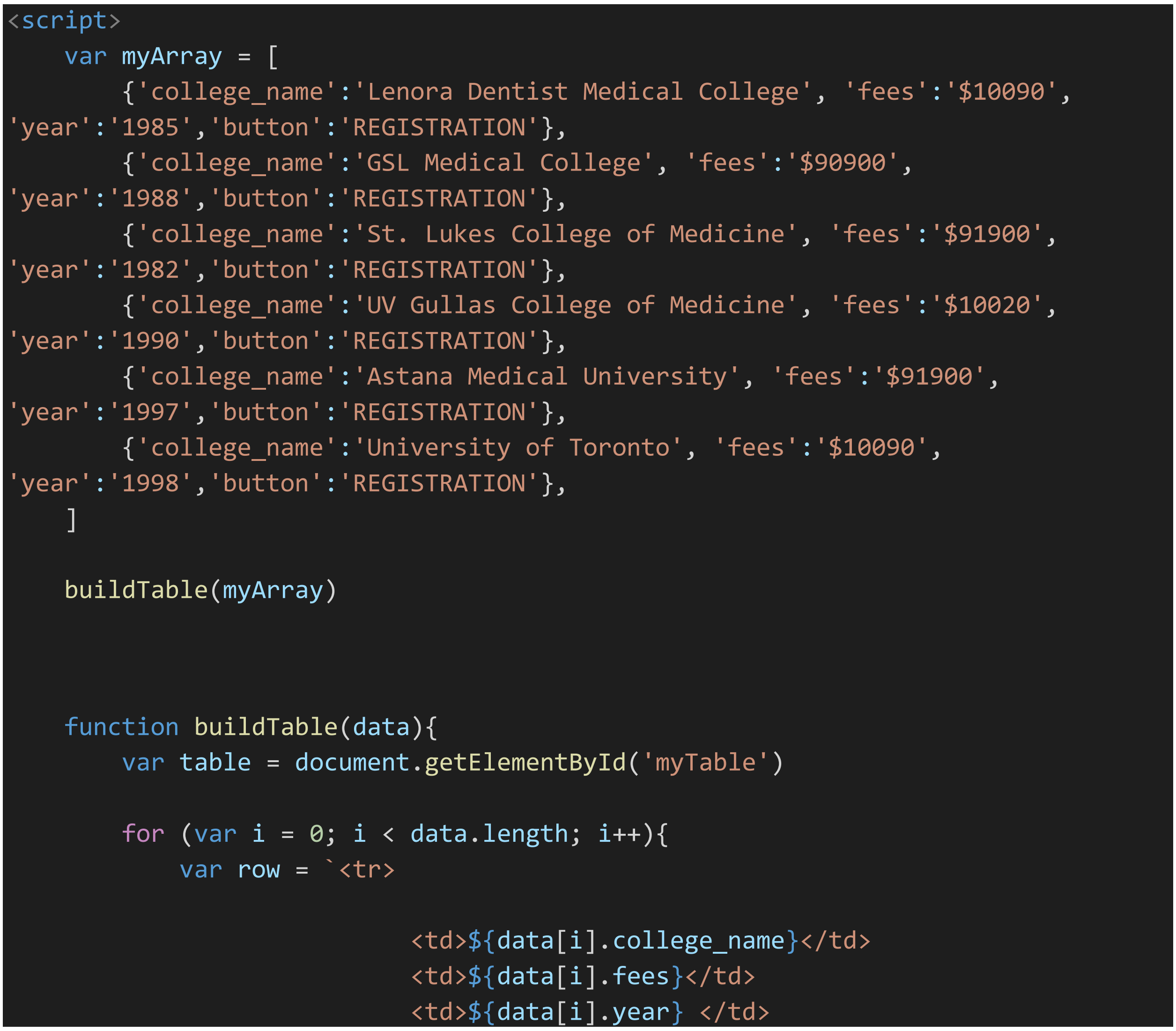
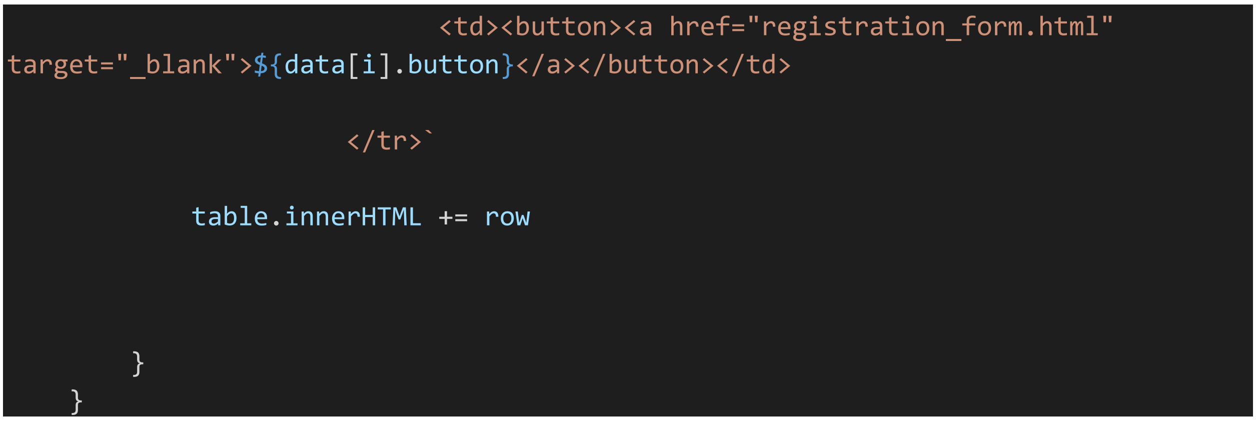
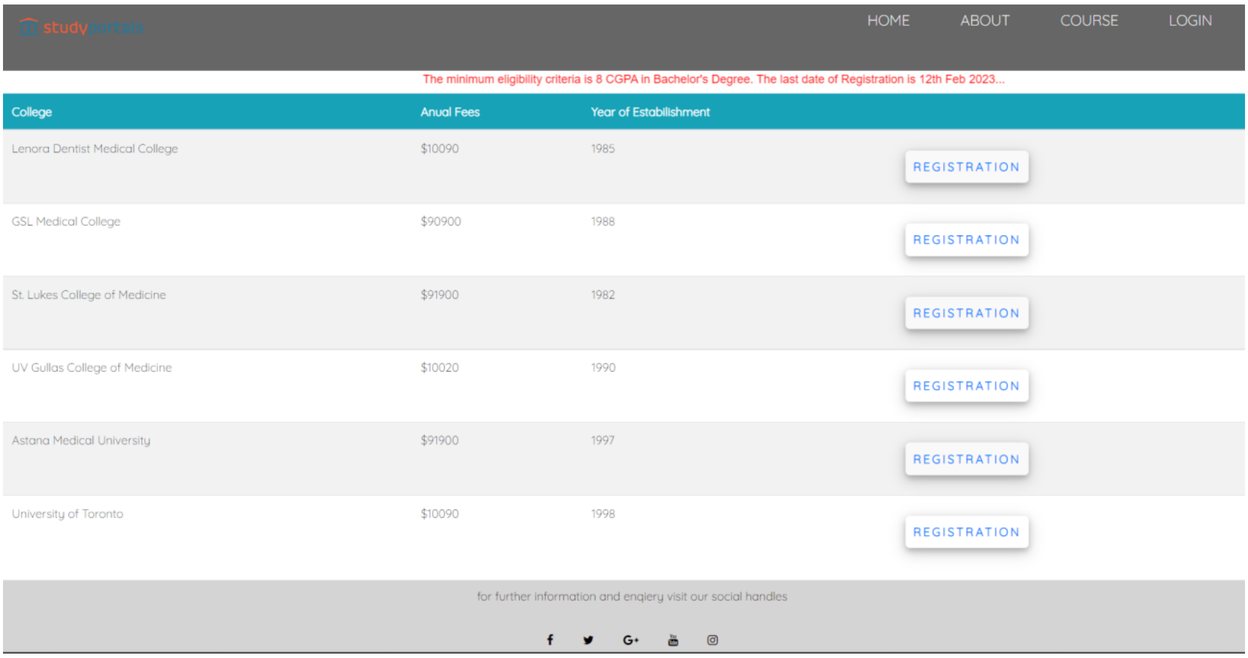
Page 2:



```
<script>
    var myArray = [
        {'college_name':'Lenora Dentist Medical College', 'fees':'$10090',
'year':'1985','button':'REGISTRATION'},
        {'college_name':'GSL Medical College', 'fees':'$90900',
'year':'1988','button':'REGISTRATION'},
        {'college_name':'St. Lukes College of Medicine', 'fees':'$91900',
'year':'1982','button':'REGISTRATION'},
        {'college_name':'UV Gullas College of Medicine', 'fees':'$10020',
'year':'1990','button':'REGISTRATION'},
        {'college_name':'Astana Medical University', 'fees':'$91900',
'year':'1997','button':'REGISTRATION'},
        {'college_name':'University of Toronto', 'fees':'$10090',
'year':'1998','button':'REGISTRATION'},
    ]

    buildTable(myArray)



    function buildTable(data){
        var table = document.getElementById('myTable')

        for (var i = 0; i < data.length; i++){
            var row = `<tr>

                            <td>${data[i].college_name}</td>
                            <td>${data[i].fees}</td>
                            <td>${data[i].year} </td>
```



```
                            <td><button><a href="registration_form.html"
target="_blank">${data[i].button}</a></button></td>

                      </tr>`

            table.innerHTML += row



        }
    }
```



The minimum eligibility criteria is 8 CGPA in Bachelor's Degree. The last date of Registration is 12th Feb 2023...

College	Anual Fees	Year of Establishment	
Lenora Dentist Medical College	$10090	1985	REGISTRATION
GSL Medical College	$90900	1988	REGISTRATION
St. Lukes College of Medicine	$91900	1982	REGISTRATION
UV Gullas College of Medicine	$10020	1990	REGISTRATION
Astana Medical University	$91900	1997	REGISTRATION
University of Toronto	$10090	1998	REGISTRATION

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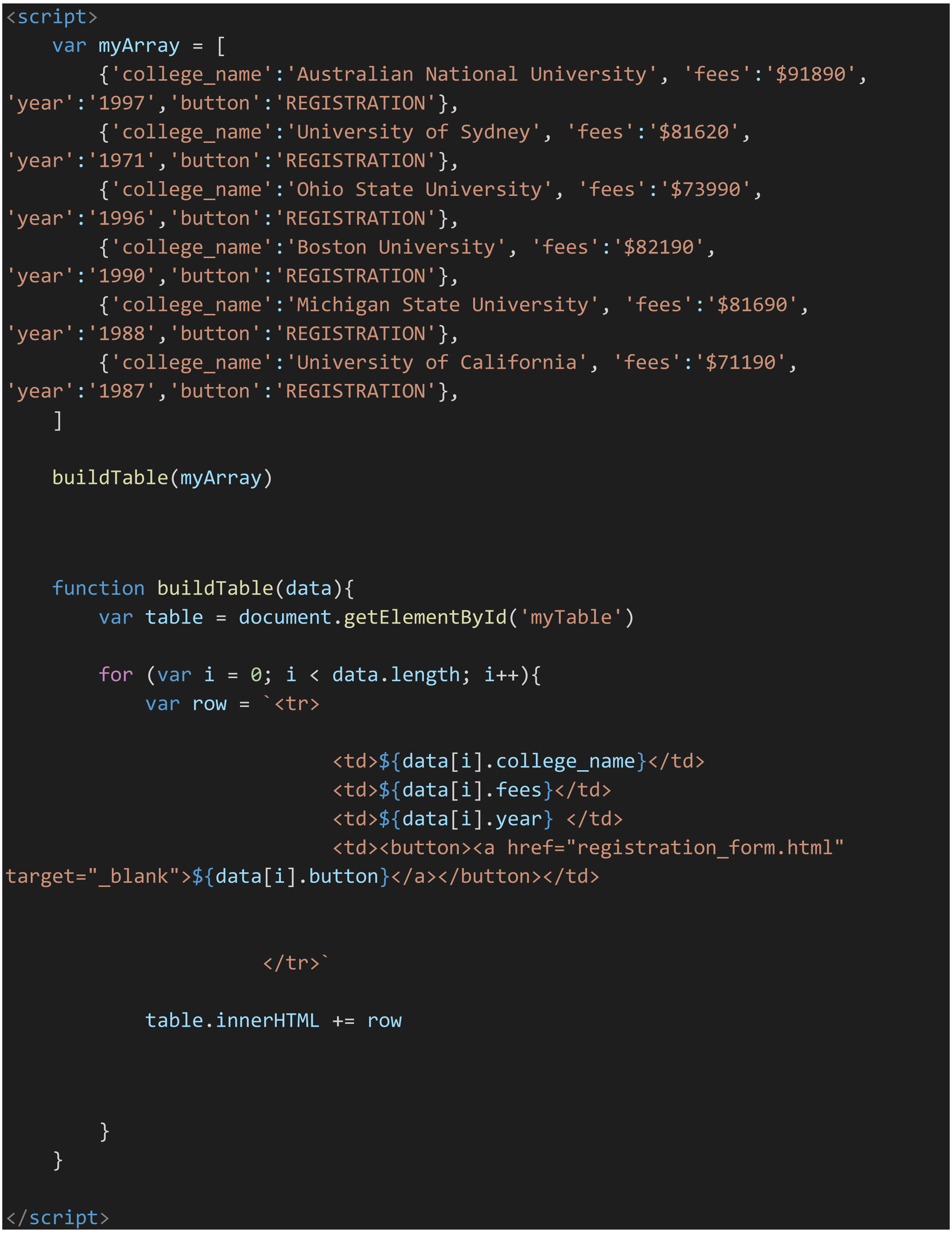
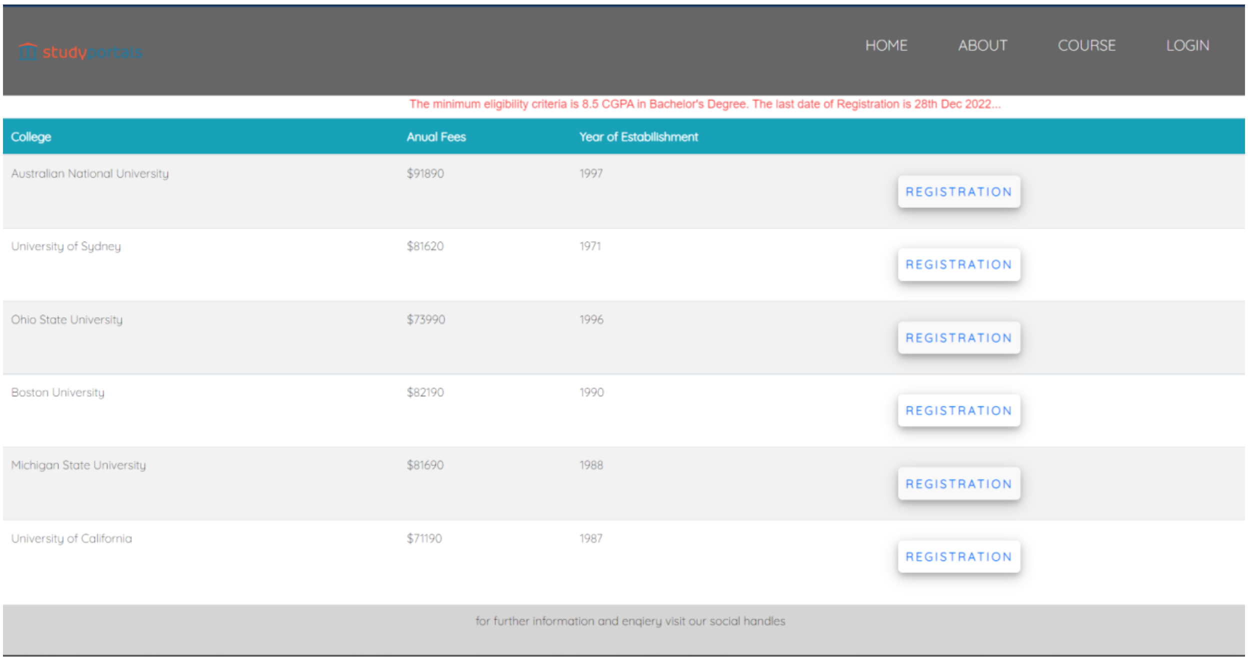
Page 3:



```
<script>
    var myArray = [
        {'college_name':'Australian National University', 'fees':'$91890',
'year':'1997','button':'REGISTRATION'},
        {'college_name':'University of Sydney', 'fees':'$81620',
'year':'1971','button':'REGISTRATION'},
        {'college_name':'Ohio State University', 'fees':'$73990',
'year':'1996','button':'REGISTRATION'},
        {'college_name':'Boston University', 'fees':'$82190',
'year':'1990','button':'REGISTRATION'},
        {'college_name':'Michigan State University', 'fees':'$81690',
'year':'1988','button':'REGISTRATION'},
        {'college_name':'University of California', 'fees':'$71190',
'year':'1987','button':'REGISTRATION'},
    ]

    buildTable(myArray)



    function buildTable(data){
        var table = document.getElementById('myTable')

        for (var i = 0; i < data.length; i++){
            var row = `<tr>

                            <td>${data[i].college_name}</td>
                            <td>${data[i].fees}</td>
                            <td>${data[i].year} </td>
                            <td><button><a href="registration_form.html"
target="_blank">${data[i].button}</a></button></td>


                      </tr>`

            table.innerHTML += row



        }
    }

</script>
```



The minimum eligibility criteria is 8.5 CGPA in Bachelor's Degree. The last date of Registration is 28th Dec 2022...

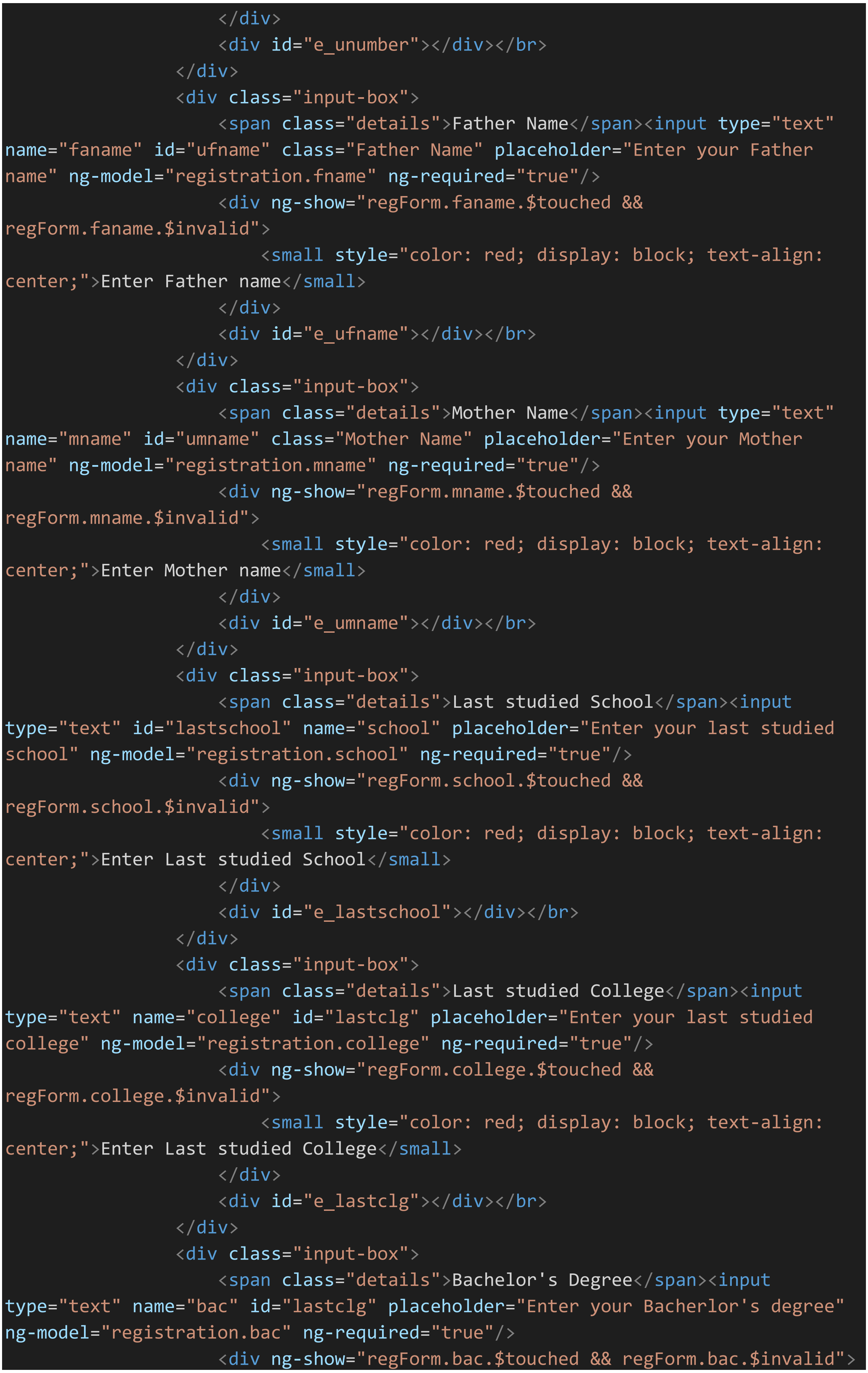
College	Anual Fees	Year of Establishment	
Australian National University	$91890	1997	REGISTRATION
University of Sydney	$81620	1971	REGISTRATION
Ohio State University	$73990	1996	REGISTRATION
Boston University	$82190	1990	REGISTRATION
Michigan State University	$81690	1988	REGISTRATION
University of California	$71190	1987	REGISTRATION

for further information and enqiery visit our social handles

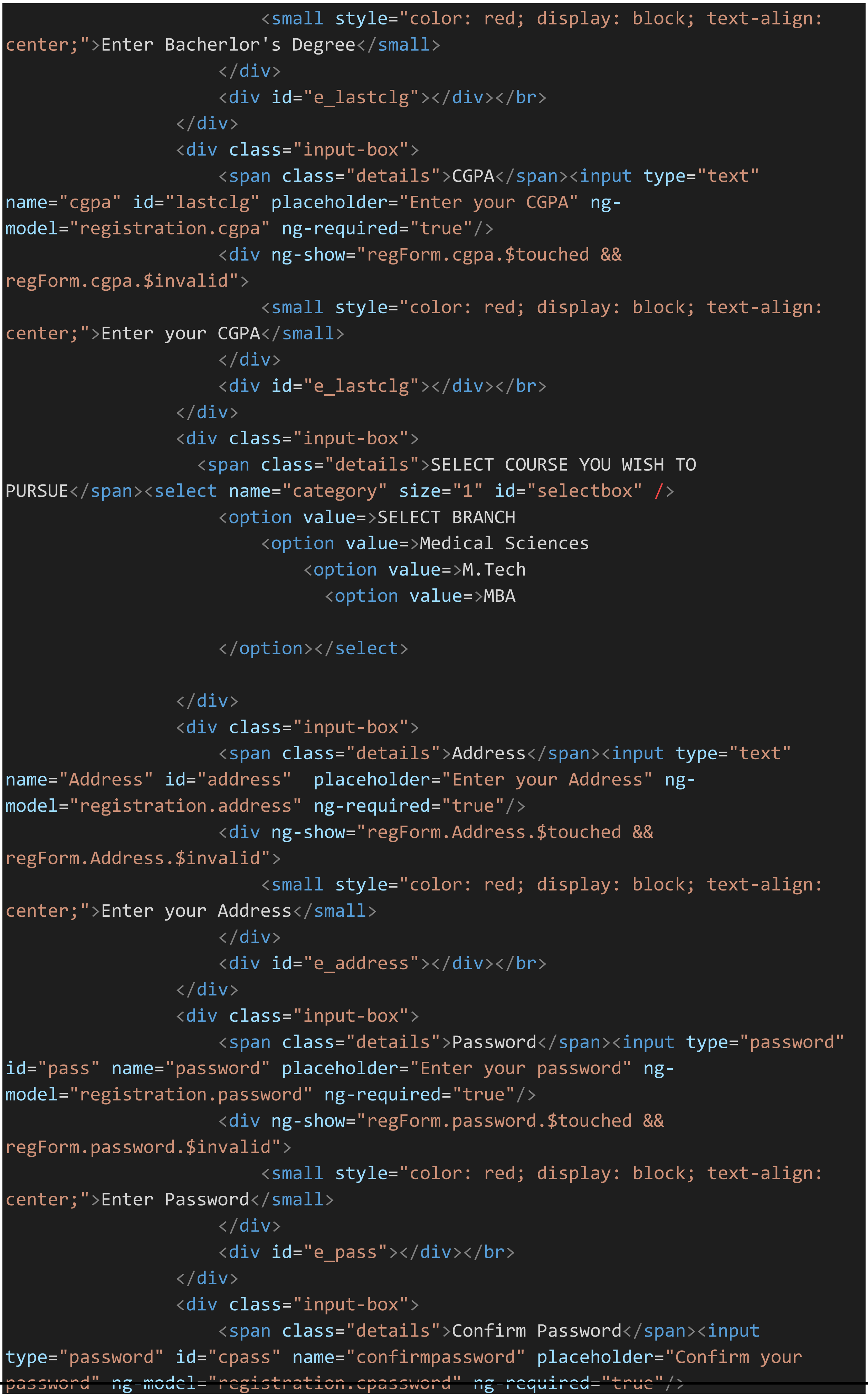
Angular JS

Page 1:

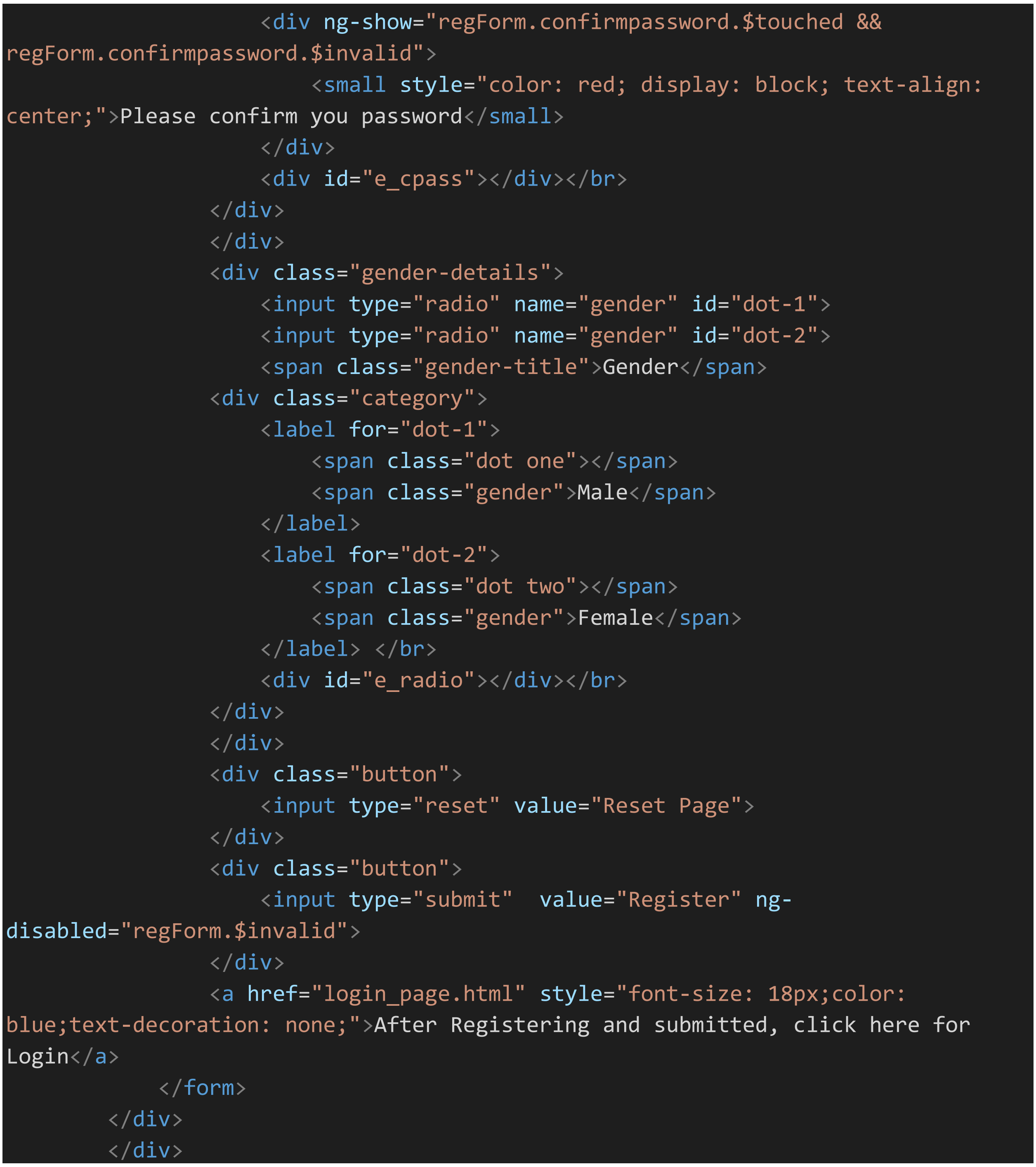
```
<div class="registration" ng-app="" >
        <div class="title"> Registration</div>
        <div class="content">
            <form name="regForm"  action="#" ng-submit="sendMessage()"
novalidate>
              <div class="user-details">
                <div class="input-box"  >
                    <span class="details">Full Name</span><input id="fullname"
type="text" class="Full name" name="fname" placeholder="Enter your name" ng-
model="registration.name" ng-required="true"/>
                    <div ng-show="regForm.fname.$touched &&
regForm.fname.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Enter a valid name</small>
                    </div>

                    <div id="e_name"></div></br>
                </div>
                <div class="input-box">
                    <span class="details">Username</span><input id="uname"
type="text" name="username" placeholder="Enter your username" ng-
model="registration.uname" ng-required="true"/>
                    <div ng-show="regForm.username.$touched &&
regForm.username.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Enter a valid Username</small>
                    </div>
                    <div id="e_uname"></div></br>
                </div>
                <div class="input-box">
                    <span class="details">Email</span><input id="uemail"
type="email" name="email" placeholder="xyz@gmail.com" ng-
model="registration.email" ng-required="true"/>

                    <div ng-show="regForm.email.$touched &&
regForm.email.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Enter a valid Email ID</small>
                    </div><div id="e_uemail"></div></br>
                </div>
                <div class="input-box">
                    <span class="details">Phone Number</span><input id="unumber"
type="number" name="phoneno" placeholder="Enter your number" ng-
model="registration.number" ng-required="true"/>
                    <div ng-show="regForm.phoneno.$touched &&
regForm.phoneno.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Enter a valid Phone number</small>
```



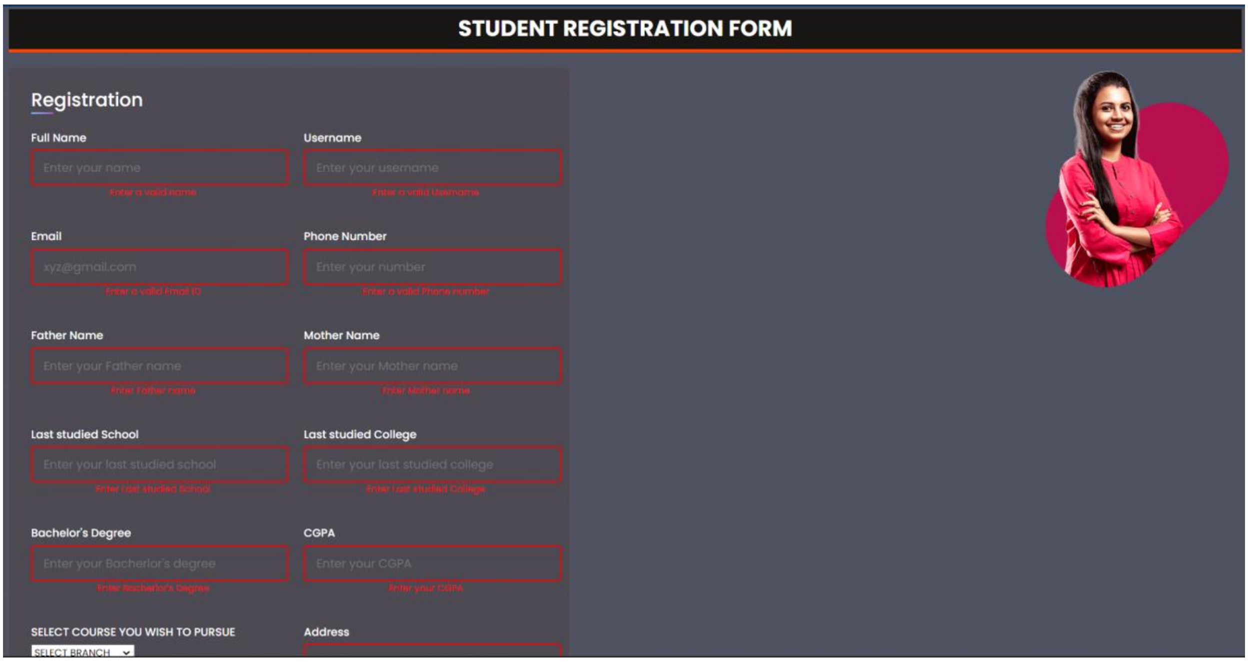
```
                    </div>
                    <div id="e_unumber"></div></br>
                </div>
                <div class="input-box">
                    <span class="details">Father Name</span><input type="text"
name="faname" id="ufname" class="Father Name" placeholder="Enter your Father
name" ng-model="registration.fname" ng-required="true"/>
                    <div ng-show="regForm.faname.$touched &&
regForm.faname.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Enter Father name</small>
                    </div>
                    <div id="e_ufname"></div></br>
                </div>
                <div class="input-box">
                    <span class="details">Mother Name</span><input type="text"
name="mname" id="umname" class="Mother Name" placeholder="Enter your Mother
name" ng-model="registration.mname" ng-required="true"/>
                    <div ng-show="regForm.mname.$touched &&
regForm.mname.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Enter Mother name</small>
                    </div>
                    <div id="e_umname"></div></br>
                </div>
                <div class="input-box">
                    <span class="details">Last studied School</span><input
type="text" id="lastschool" name="school" placeholder="Enter your last studied
school" ng-model="registration.school" ng-required="true"/>
                    <div ng-show="regForm.school.$touched &&
regForm.school.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Enter Last studied School</small>
                    </div>
                    <div id="e_lastschool"></div></br>
                </div>
                <div class="input-box">
                    <span class="details">Last studied College</span><input
type="text" name="college" id="lastclg" placeholder="Enter your last studied
college" ng-model="registration.college" ng-required="true"/>
                    <div ng-show="regForm.college.$touched &&
regForm.college.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Enter Last studied College</small>
                    </div>
                    <div id="e_lastclg"></div></br>
                </div>
                <div class="input-box">
                    <span class="details">Bachelor's Degree</span><input
type="text" name="bac" id="lastclg" placeholder="Enter your Bacherlor's degree"
ng-model="registration.bac" ng-required="true"/>
                    <div ng-show="regForm.bac.$touched && regForm.bac.$invalid">
```



```
                        <small style="color: red; display: block; text-align:
center;">Enter Bacherlor's Degree</small>
                    </div>
                    <div id="e_lastclg"></div></br>
                </div>
                <div class="input-box">
                    <span class="details">CGPA</span><input type="text"
name="cgpa" id="lastclg" placeholder="Enter your CGPA" ng-
model="registration.cgpa" ng-required="true"/>
                    <div ng-show="regForm.cgpa.$touched &&
regForm.cgpa.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Enter your CGPA</small>
                    </div>
                    <div id="e_lastclg"></div></br>
                </div>
                <div class="input-box">
                  <span class="details">SELECT COURSE YOU WISH TO
PURSUE</span><select name="category" size="1" id="selectbox" />
                    <option value=>SELECT BRANCH
                        <option value=>Medical Sciences
                            <option value=>M.Tech
                              <option value=>MBA

                    </option></select>

                </div>
                <div class="input-box">
                    <span class="details">Address</span><input type="text"
name="Address" id="address"  placeholder="Enter your Address" ng-
model="registration.address" ng-required="true"/>
                    <div ng-show="regForm.Address.$touched &&
regForm.Address.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Enter your Address</small>
                    </div>
                    <div id="e_address"></div></br>
                </div>
                <div class="input-box">
                    <span class="details">Password</span><input type="password"
id="pass" name="password" placeholder="Enter your password" ng-
model="registration.password" ng-required="true"/>
                    <div ng-show="regForm.password.$touched &&
regForm.password.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Enter Password</small>
                    </div>
                    <div id="e_pass"></div></br>
                </div>
                <div class="input-box">
                    <span class="details">Confirm Password</span><input
type="password" id="cpass" name="confirmpassword" placeholder="Confirm your
password" ng-model="registration.cpassword" ng-required="true"/>
```



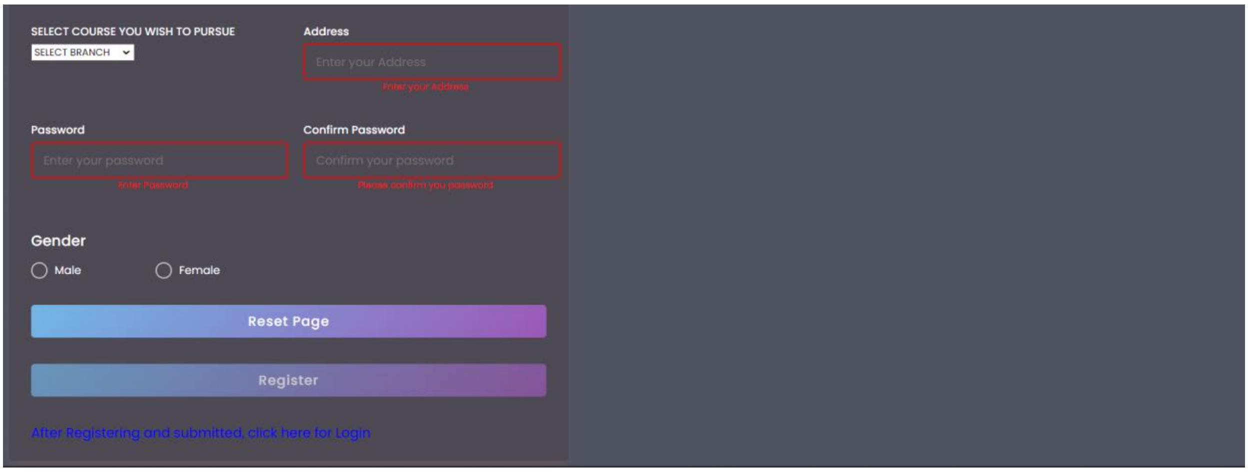
```
                    <div ng-show="regForm.confirmpassword.$touched &&
regForm.confirmpassword.$invalid">
                        <small style="color: red; display: block; text-align:
center;">Please confirm you password</small>
                    </div>
                    <div id="e_cpass"></div></br>
                </div>
                </div>
                <div class="gender-details">
                    <input type="radio" name="gender" id="dot-1">
                    <input type="radio" name="gender" id="dot-2">
                    <span class="gender-title">Gender</span>
                <div class="category">
                    <label for="dot-1">
                        <span class="dot one"></span>
                        <span class="gender">Male</span>
                    </label>
                    <label for="dot-2">
                        <span class="dot two"></span>
                        <span class="gender">Female</span>
                    </label> </br>
                    <div id="e_radio"></div></br>
                </div>
                </div>
                <div class="button">
                    <input type="reset" value="Reset Page">
                </div>
                <div class="button">
                    <input type="submit"  value="Register" ng-
disabled="regForm.$invalid">
                </div>
                <a href="login_page.html" style="font-size: 18px;color:
blue;text-decoration: none;">After Registering and submitted, click here for
Login</a>
            </form>
        </div>
        </div>
```



STUDENT REGISTRATION FORM

Registration

Full Name	Username
Enter your name	Enter your username
Enter a valid name	Enter a valid Username
Email	Phone Number
xyz@gmail.com	Enter your number
Enter a valid Email ID	Enter a valid Phone number
Father Name	Mother Name
Enter your Father name	Enter your Mother name
Enter Father name	Enter Mother name
Last studied School	Last studied College
Enter your last studied school	Enter your last studied college
Enter Last studied School	Enter Last studied College
Bachelor's Degree	CGPA
Enter your Bacherlor's degree	Enter your CGPA
Enter Bachelor's Degree	Enter your CGPA
SELECT COURSE YOU WISH TO PURSUE	Address
SELECT BRANCH	



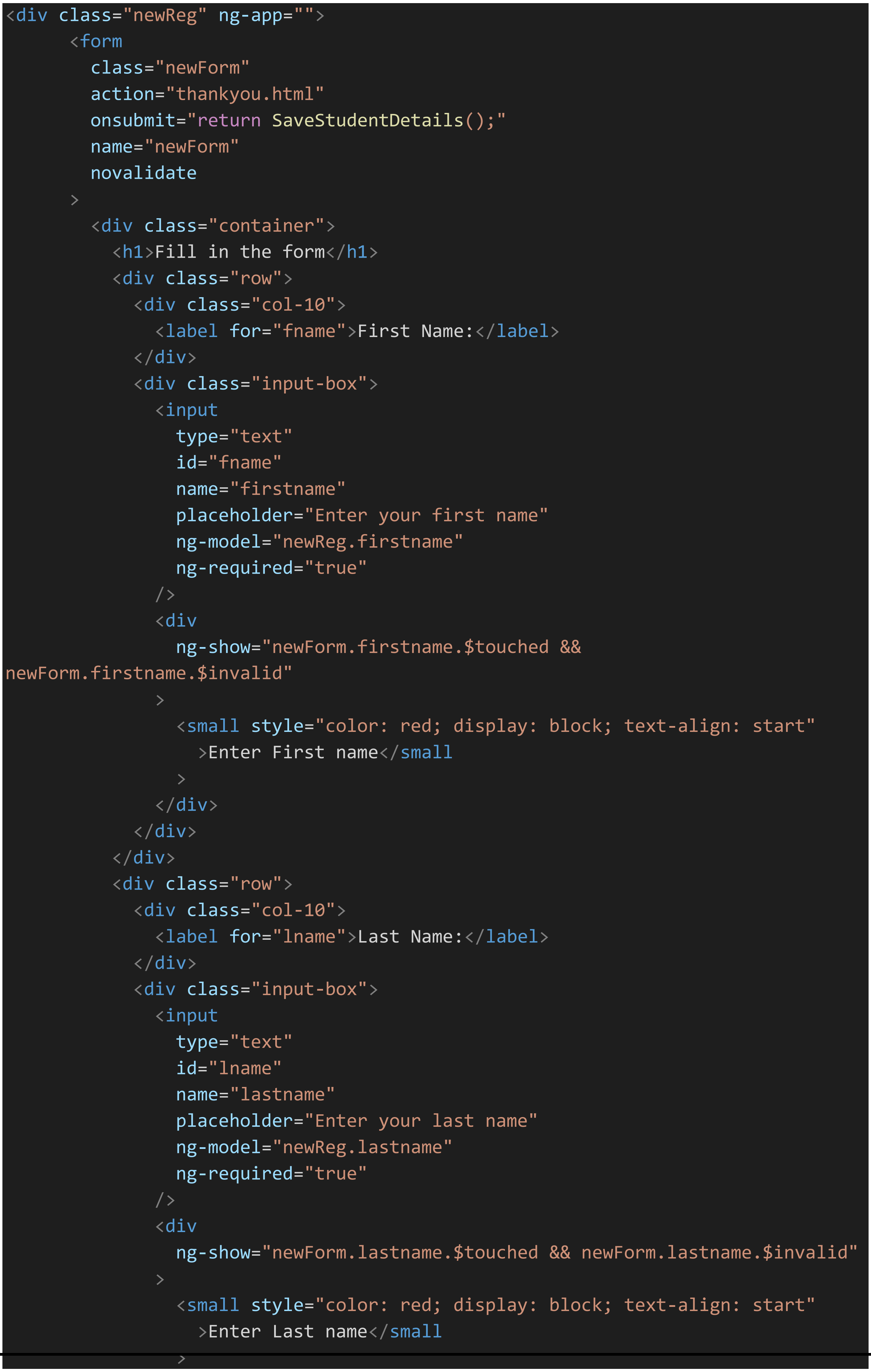
SELECT COURSE YOU WISH TO PURSUE	Address
SELECT BRANCH	Enter your Address
	Enter your Address
Password	Confirm Password
Enter your password	Confirm your password
Enter Password	Please confirm you password

Gender

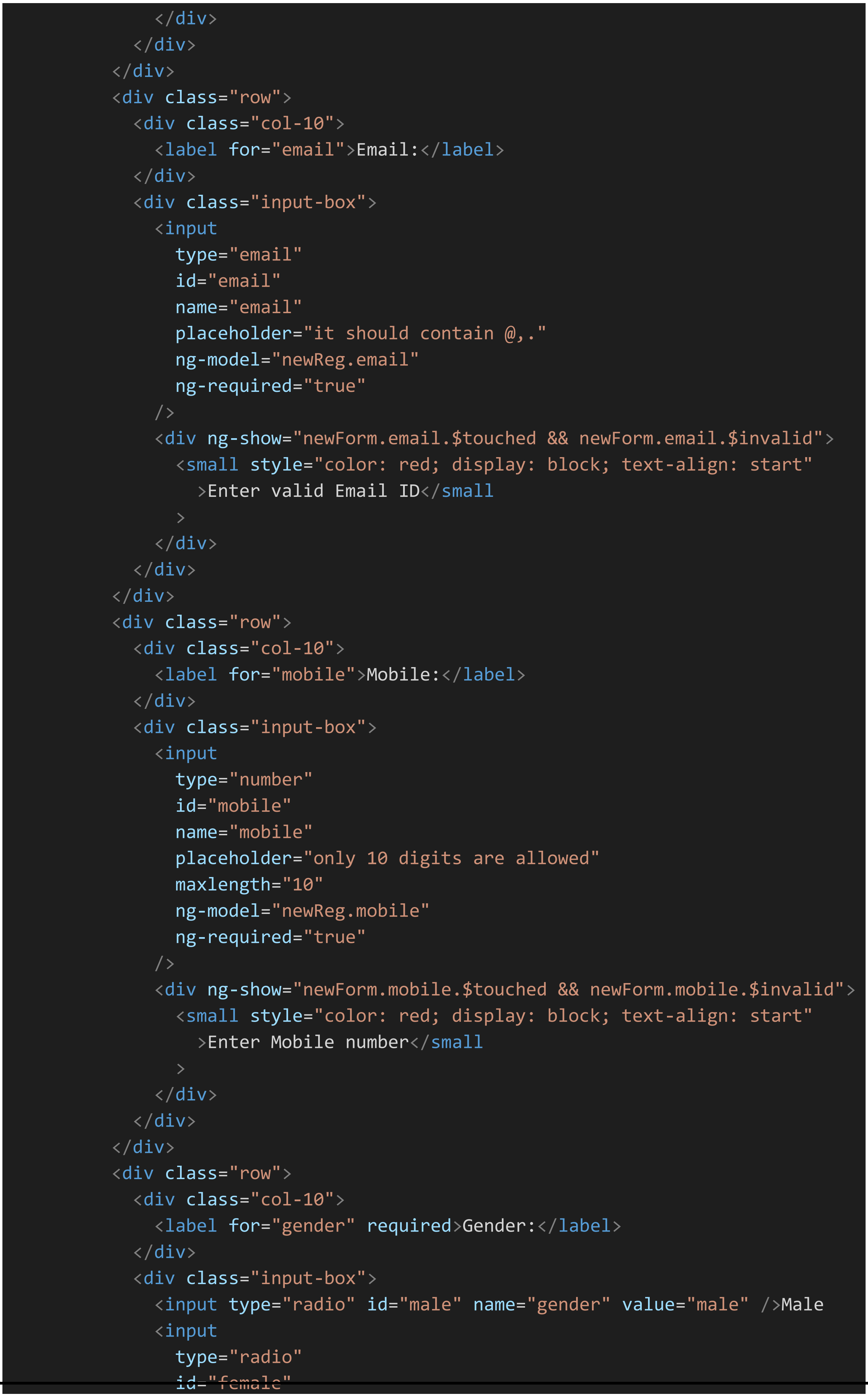
○ Male ○ Female

After Registering and submitted, click here for Login

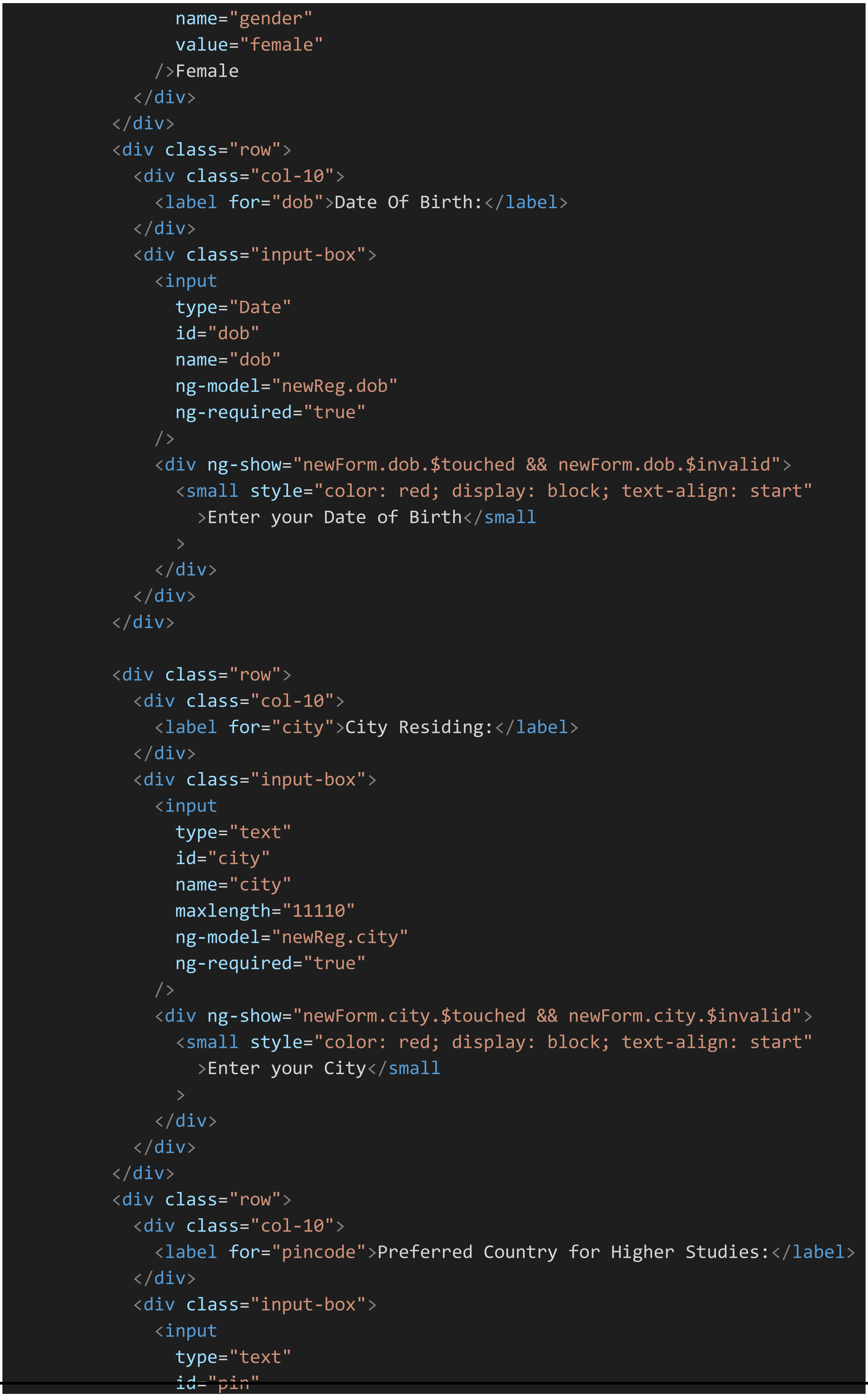
Page 2:



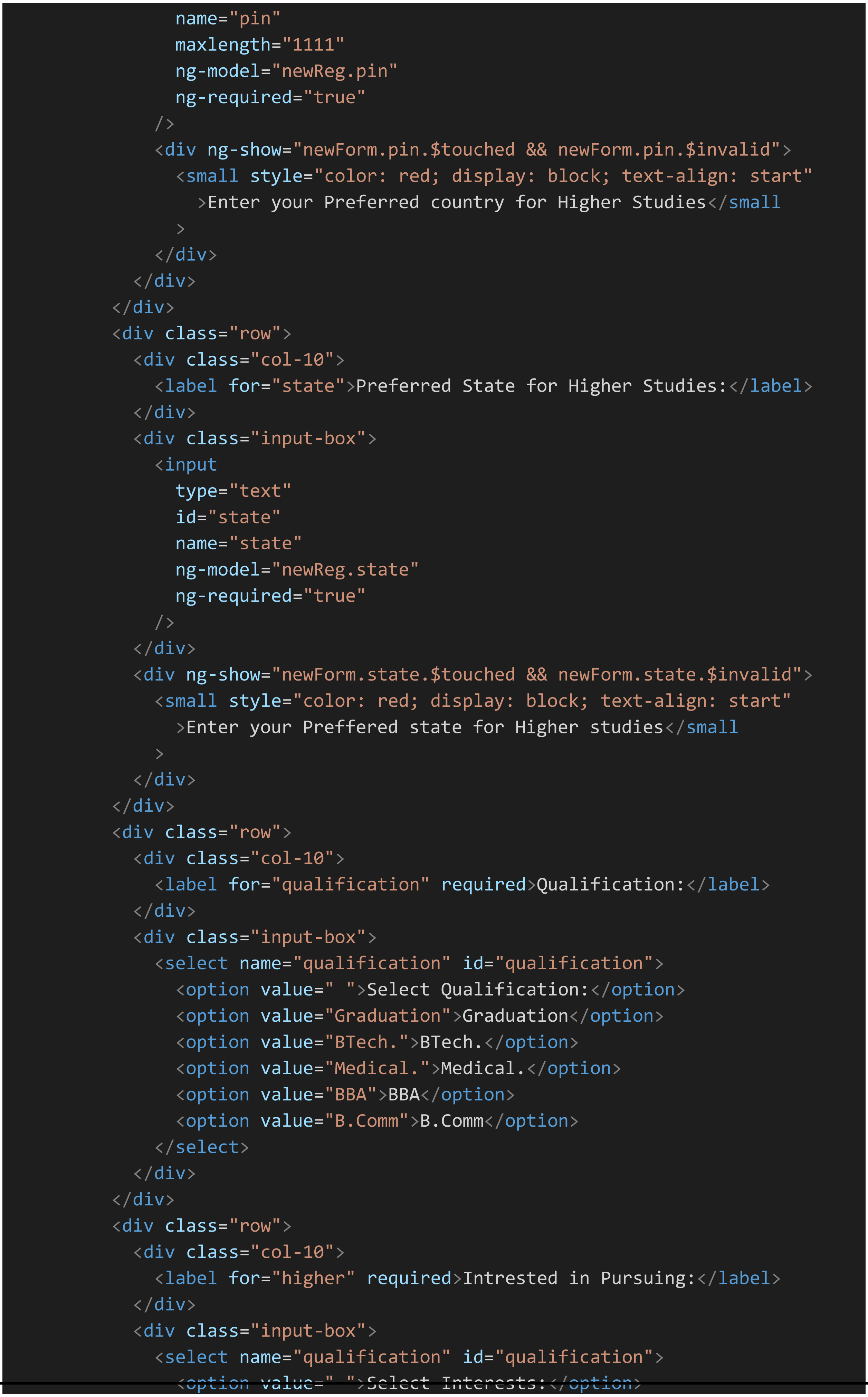
```
<div class="newReg" ng-app="">
      <form
        class="newForm"
        action="thankyou.html"
        onsubmit="return SaveStudentDetails();"
        name="newForm"
        novalidate
      >
        <div class="container">
          <h1>Fill in the form</h1>
          <div class="row">
            <div class="col-10">
              <label for="fname">First Name:</label>
            </div>
            <div class="input-box">
              <input
                type="text"
                id="fname"
                name="firstname"
                placeholder="Enter your first name"
                ng-model="newReg.firstname"
                ng-required="true"
              />
              <div
                ng-show="newForm.firstname.$touched &&
newForm.firstname.$invalid"
              >
                <small style="color: red; display: block; text-align: start"
                  >Enter First name</small
                >
              </div>
            </div>
          </div>
          <div class="row">
            <div class="col-10">
              <label for="lname">Last Name:</label>
            </div>
            <div class="input-box">
              <input
                type="text"
                id="lname"
                name="lastname"
                placeholder="Enter your last name"
                ng-model="newReg.lastname"
                ng-required="true"
              />
              <div
                ng-show="newForm.lastname.$touched && newForm.lastname.$invalid"
              >
                <small style="color: red; display: block; text-align: start"
                  >Enter Last name</small
                >
```



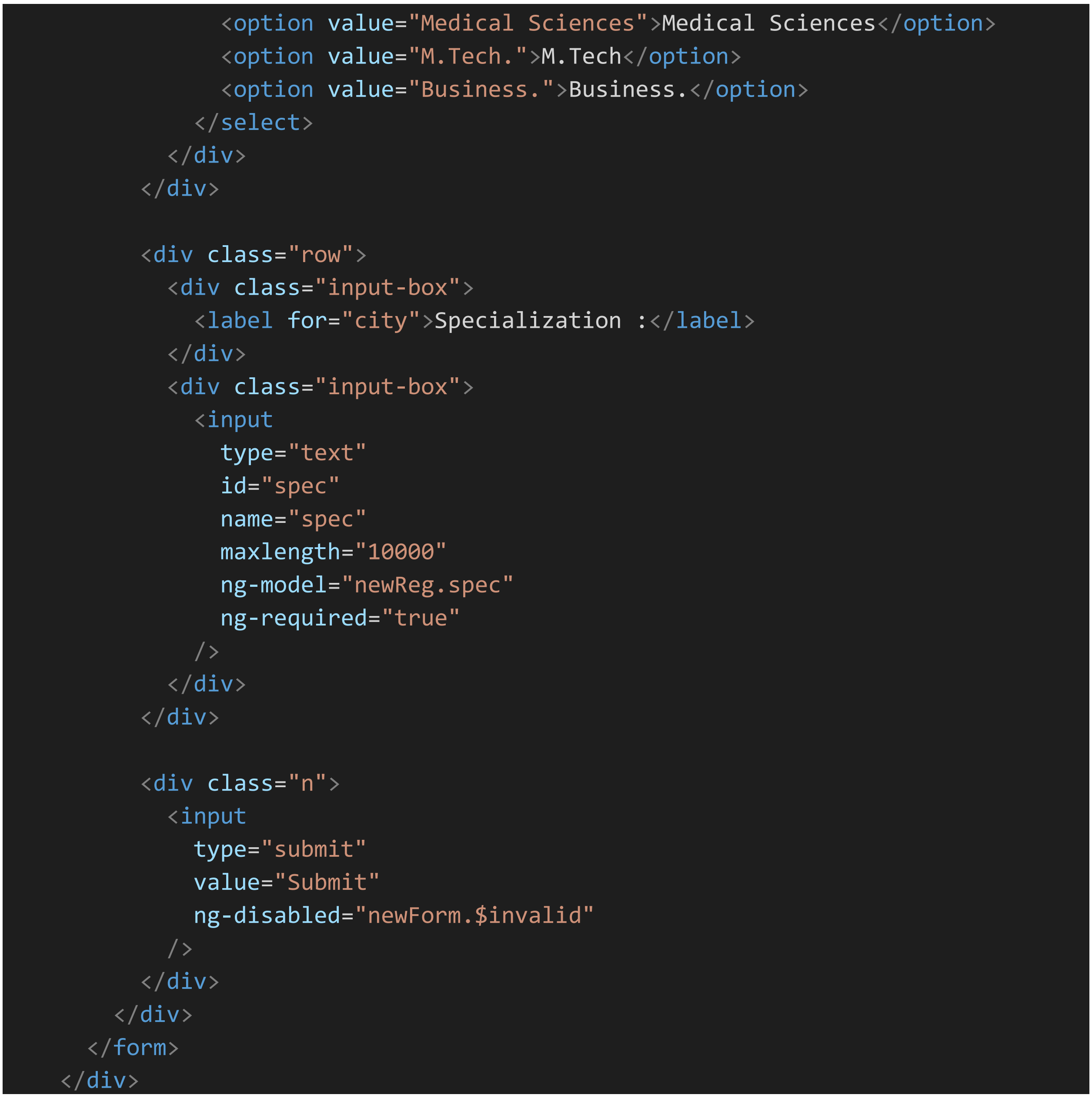
```
    </div>
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="email">Email:</label>
  </div>
  <div class="input-box">
    <input
      type="email"
      id="email"
      name="email"
      placeholder="it should contain @,."
      ng-model="newReg.email"
      ng-required="true"
    />
    <div ng-show="newForm.email.$touched && newForm.email.$invalid">
      <small style="color: red; display: block; text-align: start"
        >Enter valid Email ID</small
      >
    </div>
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="mobile">Mobile:</label>
  </div>
  <div class="input-box">
    <input
      type="number"
      id="mobile"
      name="mobile"
      placeholder="only 10 digits are allowed"
      maxlength="10"
      ng-model="newReg.mobile"
      ng-required="true"
    />
    <div ng-show="newForm.mobile.$touched && newForm.mobile.$invalid">
      <small style="color: red; display: block; text-align: start"
        >Enter Mobile number</small
      >
    </div>
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="gender" required>Gender:</label>
  </div>
  <div class="input-box">
    <input type="radio" id="male" name="gender" value="male" />Male
    <input
      type="radio"
      id="female"
```



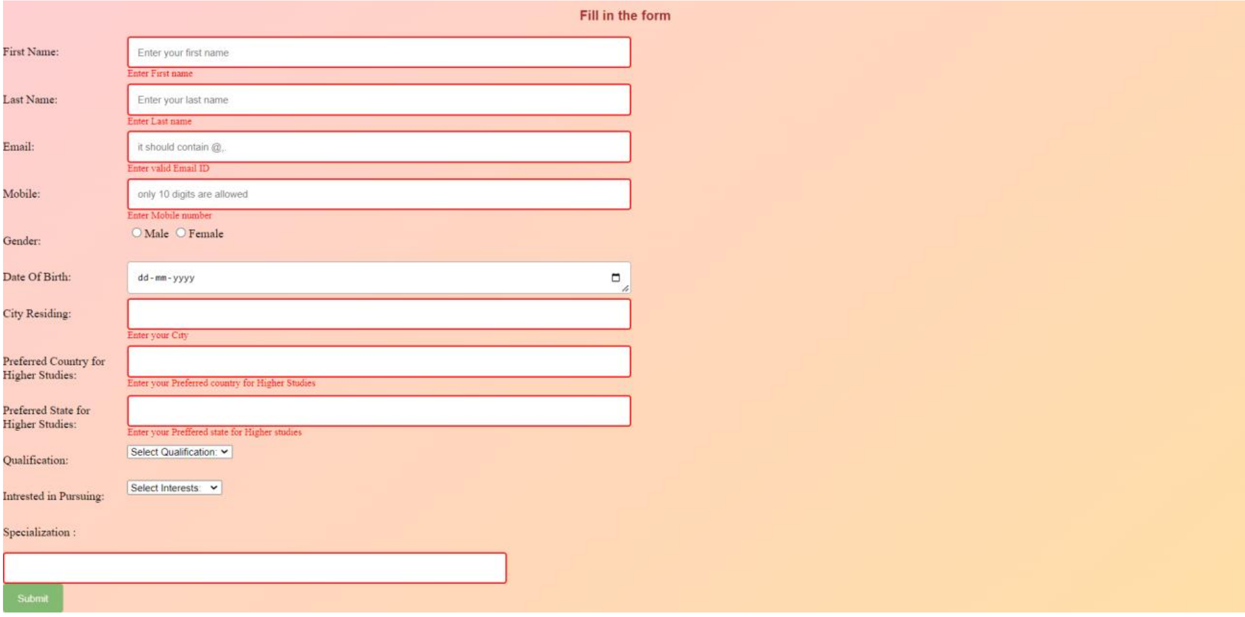
```
                name="gender"
                value="female"
              />Female
            </div>
          </div>
          <div class="row">
            <div class="col-10">
              <label for="dob">Date Of Birth:</label>
            </div>
            <div class="input-box">
              <input
                type="Date"
                id="dob"
                name="dob"
                ng-model="newReg.dob"
                ng-required="true"
              />
              <div ng-show="newForm.dob.$touched && newForm.dob.$invalid">
                <small style="color: red; display: block; text-align: start"
                  >Enter your Date of Birth</small
                >
              </div>
            </div>
          </div>

          <div class="row">
            <div class="col-10">
              <label for="city">City Residing:</label>
            </div>
            <div class="input-box">
              <input
                type="text"
                id="city"
                name="city"
                maxlength="11110"
                ng-model="newReg.city"
                ng-required="true"
              />
              <div ng-show="newForm.city.$touched && newForm.city.$invalid">
                <small style="color: red; display: block; text-align: start"
                  >Enter your City</small
                >
              </div>
            </div>
          </div>
          <div class="row">
            <div class="col-10">
              <label for="pincode">Preferred Country for Higher Studies:</label>
            </div>
            <div class="input-box">
              <input
                type="text"
                id="pin"
```



```
      name="pin"
      maxlength="1111"
      ng-model="newReg.pin"
      ng-required="true"
    />
    <div ng-show="newForm.pin.$touched && newForm.pin.$invalid">
      <small style="color: red; display: block; text-align: start"
        >Enter your Preferred country for Higher Studies</small
      >
    </div>
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="state">Preferred State for Higher Studies:</label>
  </div>
  <div class="input-box">
    <input
      type="text"
      id="state"
      name="state"
      ng-model="newReg.state"
      ng-required="true"
    />
  </div>
  <div ng-show="newForm.state.$touched && newForm.state.$invalid">
    <small style="color: red; display: block; text-align: start"
      >Enter your Preffered state for Higher studies</small
    >
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="qualification" required>Qualification:</label>
  </div>
  <div class="input-box">
    <select name="qualification" id="qualification">
      <option value=" ">Select Qualification:</option>
      <option value="Graduation">Graduation</option>
      <option value="BTech.">BTech.</option>
      <option value="Medical.">Medical.</option>
      <option value="BBA">BBA</option>
      <option value="B.Comm">B.Comm</option>
    </select>
  </div>
</div>
<div class="row">
  <div class="col-10">
    <label for="higher" required>Intrested in Pursuing:</label>
  </div>
  <div class="input-box">
    <select name="qualification" id="qualification">
      <option value=" ">Select Interests:</option>
```



```
                <option value="Medical Sciences">Medical Sciences</option>
                <option value="M.Tech.">M.Tech</option>
                <option value="Business.">Business.</option>
              </select>
            </div>
          </div>

          <div class="row">
            <div class="input-box">
              <label for="city">Specialization :</label>
            </div>
            <div class="input-box">
              <input
                type="text"
                id="spec"
                name="spec"
                maxlength="10000"
                ng-model="newReg.spec"
                ng-required="true"
              />
            </div>
          </div>

          <div class="n">
            <input
              type="submit"
              value="Submit"
              ng-disabled="newForm.$invalid"
            />
          </div>
        </div>
      </form>
    </div>
```



Fill in the form

First Name: Enter your first name
Enter First name

Last Name: Enter your last name
Enter Last name

Email: it should contain @,.
Enter valid Email ID

Mobile: only 10 digits are allowed
Enter Mobile number

Gender: ○ Male ○ Female

Date Of Birth: dd-mm-yyyy

City Residing:
Enter your City

Preferred Country for Higher Studies:
Enter your Preferred country for Higher Studies

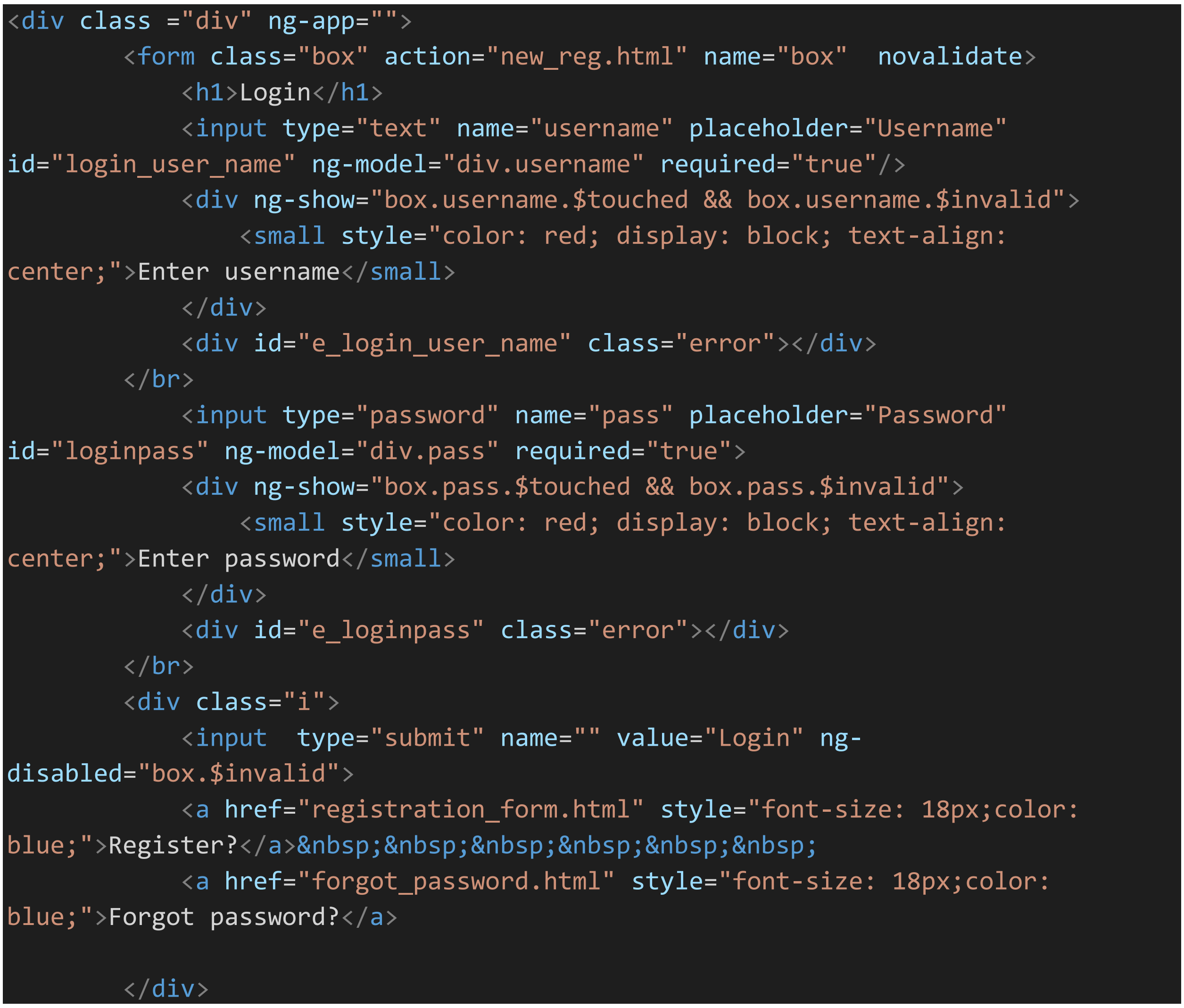
Preferred State for Higher Studies:
Enter your Preffered state for Higher studies

Qualification: Select Qualification:

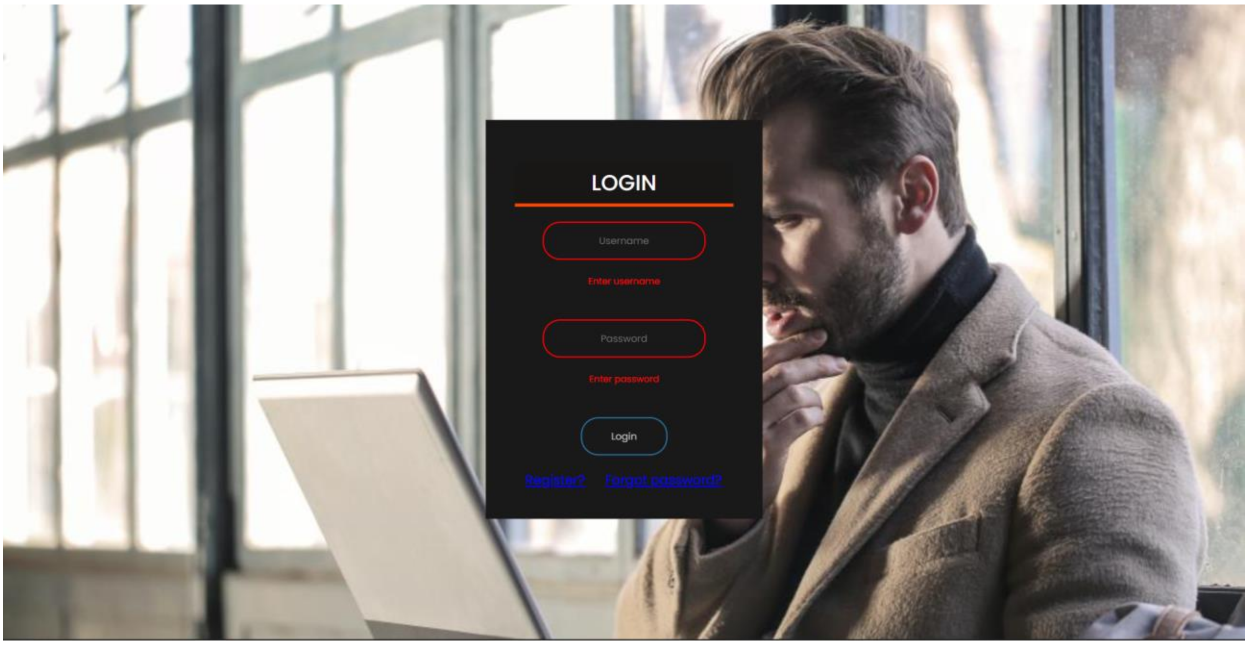
Intrested in Pursuing: Select Interests:

Specialization :

Page 3:



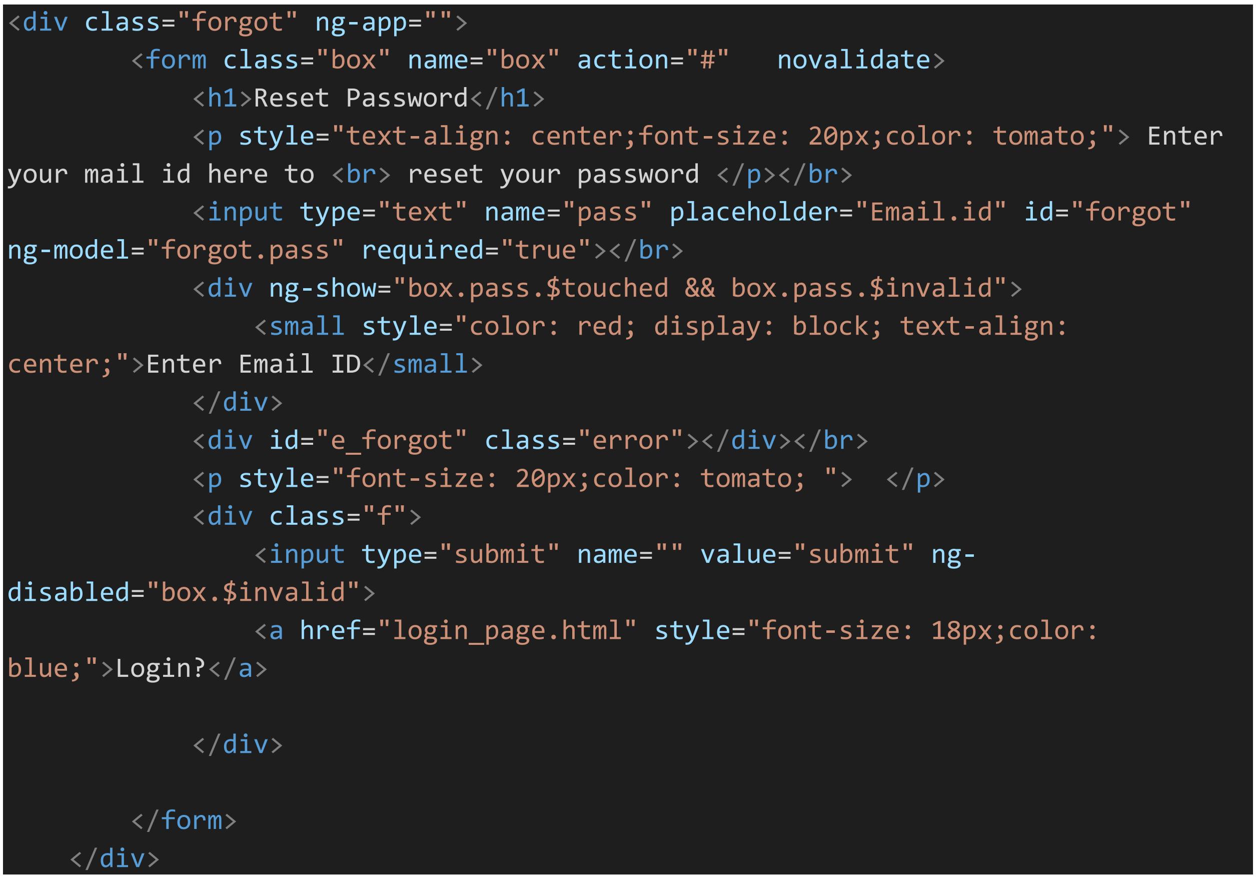
```
<div class ="div" ng-app="">
        <form class="box" action="new_reg.html" name="box"  novalidate>
            <h1>Login</h1>
            <input type="text" name="username" placeholder="Username"
id="login_user_name" ng-model="div.username" required="true"/>
            <div ng-show="box.username.$touched && box.username.$invalid">
                <small style="color: red; display: block; text-align:
center;">Enter username</small>
            </div>
            <div id="e_login_user_name" class="error"></div>
        </br>
            <input type="password" name="pass" placeholder="Password"
id="loginpass" ng-model="div.pass" required="true">
            <div ng-show="box.pass.$touched && box.pass.$invalid">
                <small style="color: red; display: block; text-align:
center;">Enter password</small>
            </div>
            <div id="e_loginpass" class="error"></div>
        </br>
        <div class="i">
            <input  type="submit" name="" value="Login" ng-
disabled="box.$invalid">
            <a href="registration_form.html" style="font-size: 18px;color:
blue;">Register?</a>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
            <a href="forgot_password.html" style="font-size: 18px;color:
blue;">Forgot password?</a>

        </div>
```



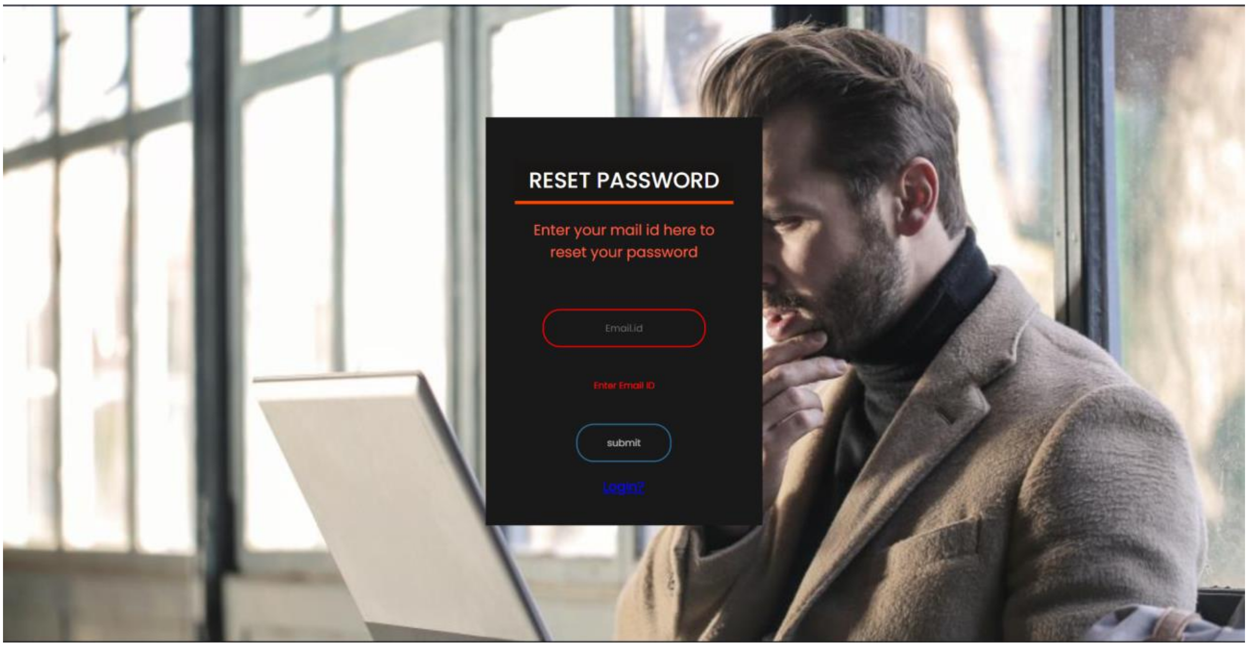
Enter username

Enter password

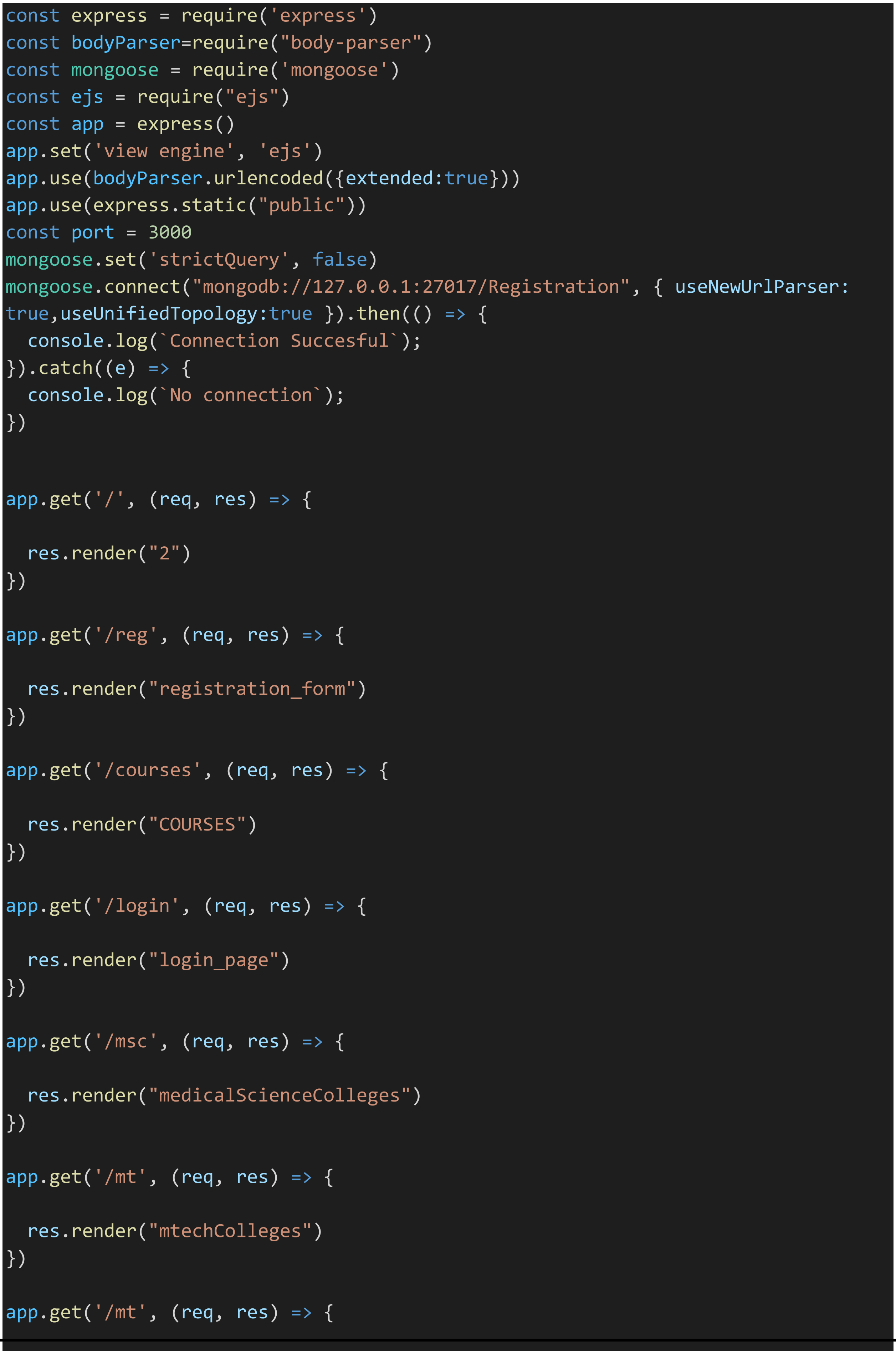
Page 4:



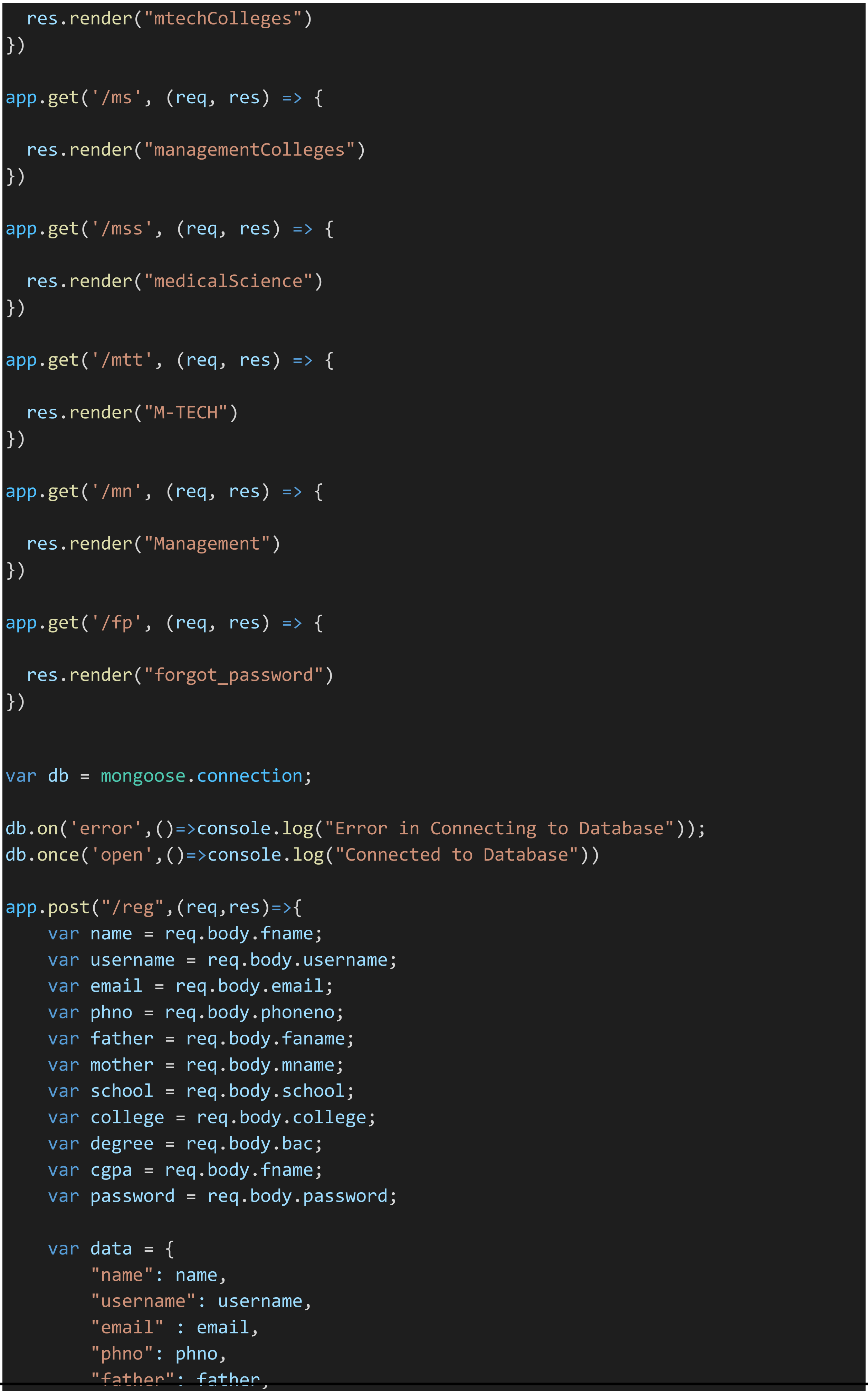
```
<div class="forgot" ng-app="">
        <form class="box" name="box" action="#"   novalidate>
            <h1>Reset Password</h1>
            <p style="text-align: center;font-size: 20px;color: tomato;"> Enter
your mail id here to <br> reset your password </p></br>
            <input type="text" name="pass" placeholder="Email.id" id="forgot"
ng-model="forgot.pass" required="true"></br>
            <div ng-show="box.pass.$touched && box.pass.$invalid">
                <small style="color: red; display: block; text-align:
center;">Enter Email ID</small>
            </div>
            <div id="e_forgot" class="error"></div></br>
            <p style="font-size: 20px;color: tomato; ">  </p>
            <div class="f">
                <input type="submit" name="" value="submit" ng-
disabled="box.$invalid">
                <a href="login_page.html" style="font-size: 18px;color:
blue;">Login?</a>

            </div>

        </form>
    </div>
```



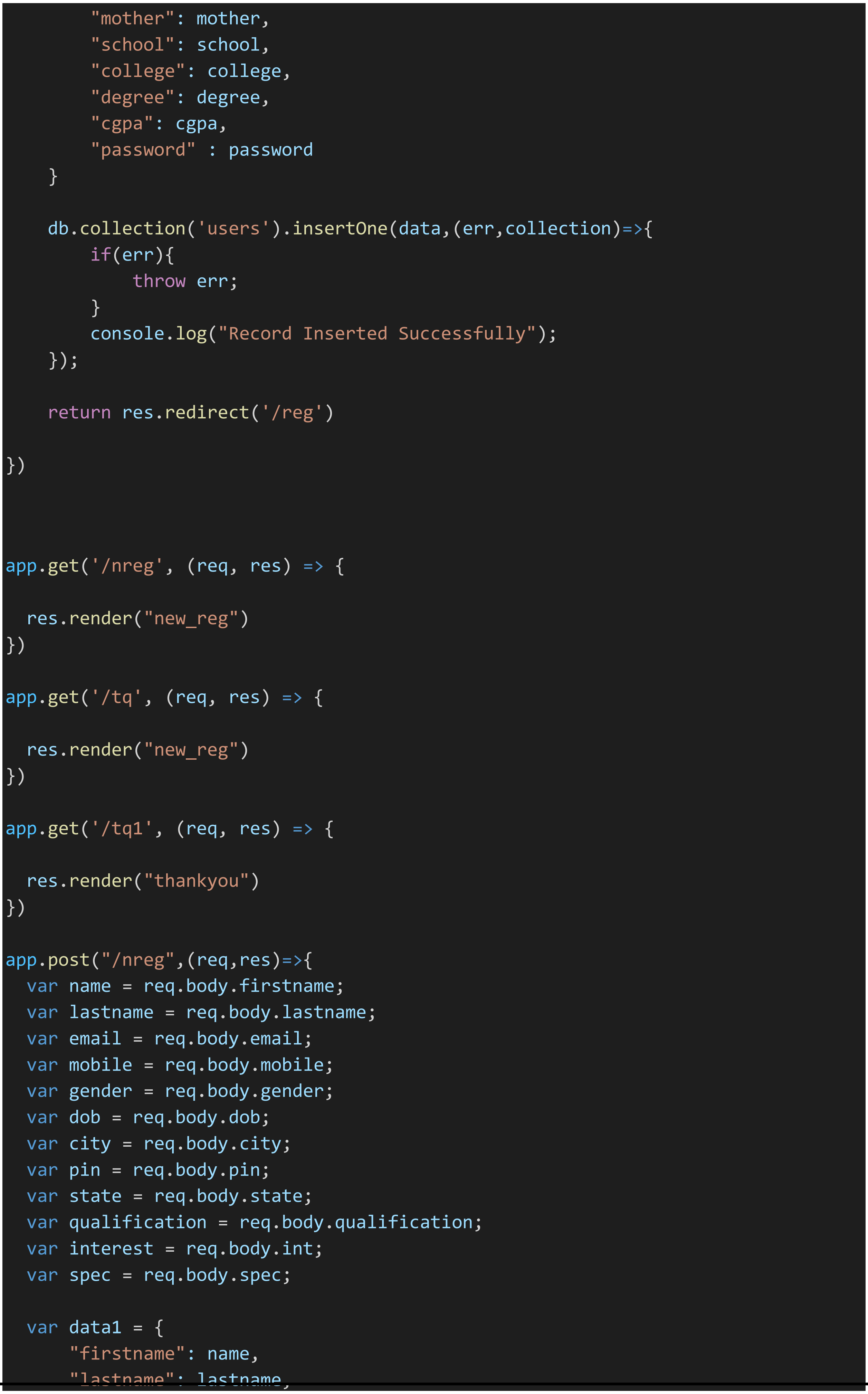
Express - NodeJS



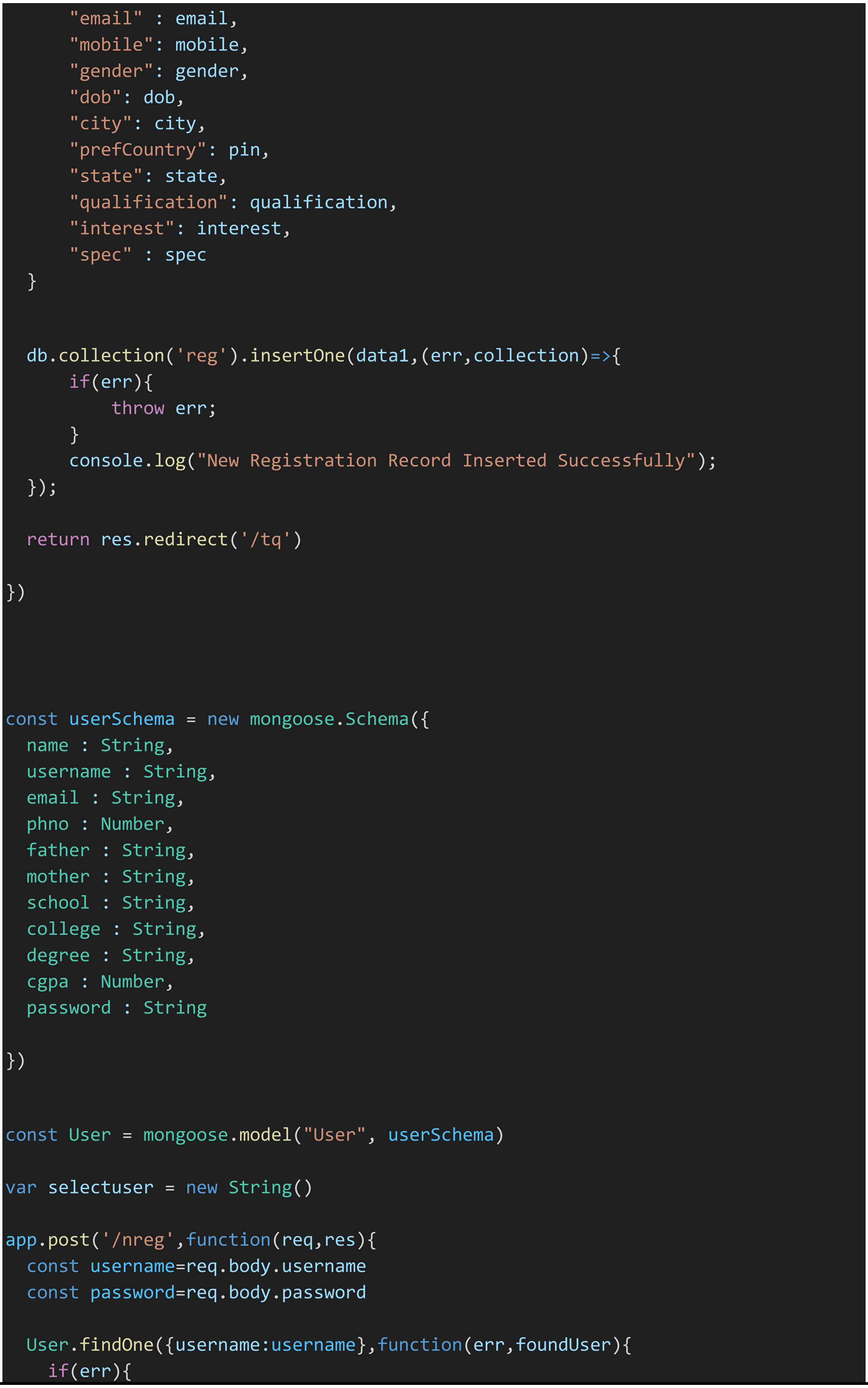
```
const express = require('express')
const bodyParser=require("body-parser")
const mongoose = require('mongoose')
const ejs = require("ejs")
const app = express()
app.set('view engine', 'ejs')
app.use(bodyParser.urlencoded({extended:true}))
app.use(express.static("public"))
const port = 3000
mongoose.set('strictQuery', false)
mongoose.connect("mongodb://127.0.0.1:27017/Registration", { useNewUrlParser:
true,useUnifiedTopology:true }).then(() => {
  console.log(`Connection Succesful`);
}).catch((e) => {
  console.log(`No connection`);
})


app.get('/', (req, res) => {

  res.render("2")
})

app.get('/reg', (req, res) => {

  res.render("registration_form")
})

app.get('/courses', (req, res) => {

  res.render("COURSES")
})

app.get('/login', (req, res) => {

  res.render("login_page")
})

app.get('/msc', (req, res) => {

  res.render("medicalScienceColleges")
})

app.get('/mt', (req, res) => {

  res.render("mtechColleges")
})

app.get('/mt', (req, res) => {
```



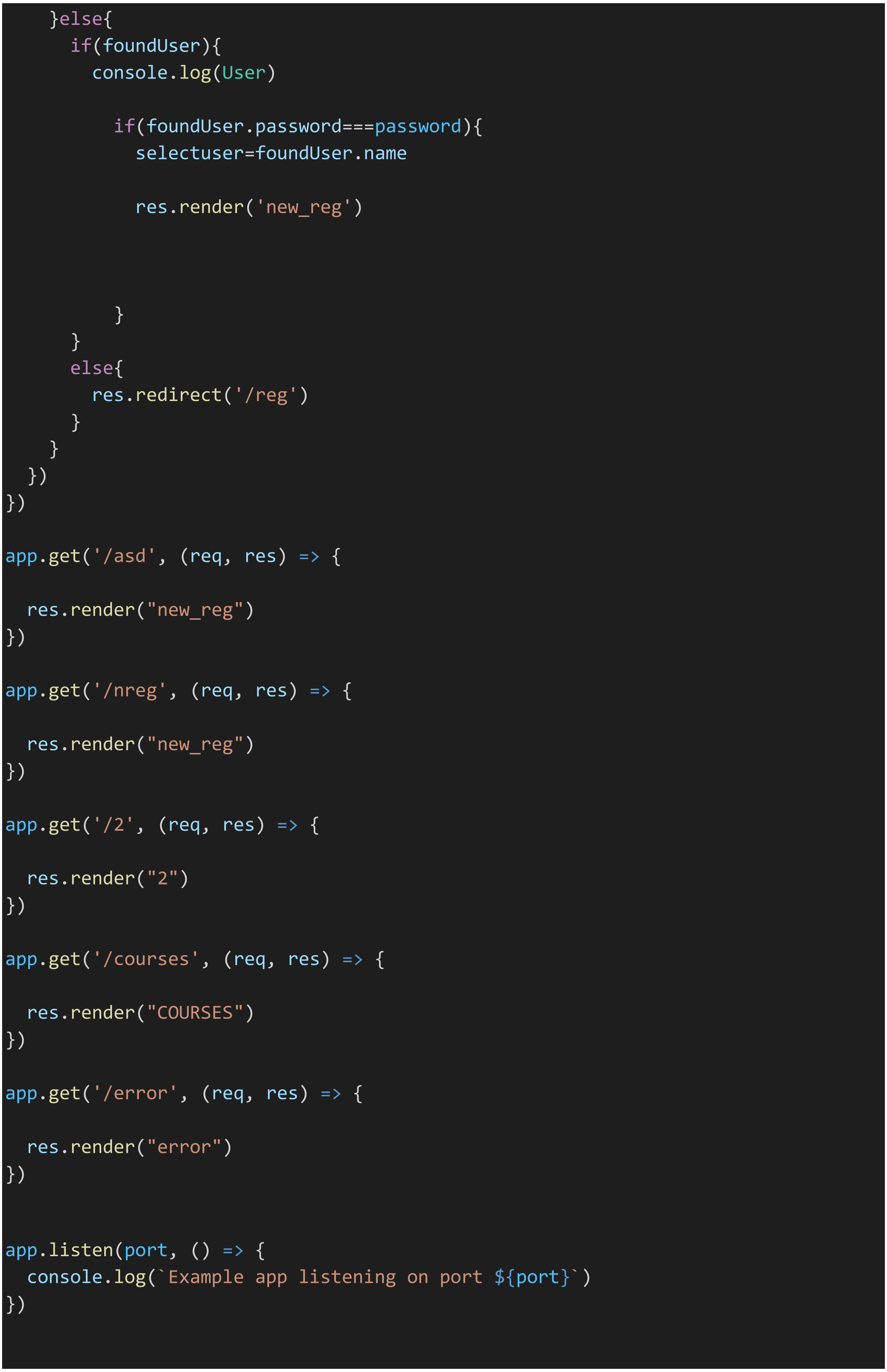
```
  res.render("mtechColleges")
})

app.get('/ms', (req, res) => {

  res.render("managementColleges")
})

app.get('/mss', (req, res) => {

  res.render("medicalScience")
})

app.get('/mtt', (req, res) => {

  res.render("M-TECH")
})

app.get('/mn', (req, res) => {

  res.render("Management")
})

app.get('/fp', (req, res) => {

  res.render("forgot_password")
})


var db = mongoose.connection;

db.on('error',()=>console.log("Error in Connecting to Database"));
db.once('open',()=>console.log("Connected to Database"))

app.post("/reg",(req,res)=>{
    var name = req.body.fname;
    var username = req.body.username;
    var email = req.body.email;
    var phno = req.body.phoneno;
    var father = req.body.faname;
    var mother = req.body.mname;
    var school = req.body.school;
    var college = req.body.college;
    var degree = req.body.bac;
    var cgpa = req.body.fname;
    var password = req.body.password;

    var data = {
        "name": name,
        "username": username,
        "email" : email,
        "phno": phno,
        "father": father,
```



```
        "mother": mother,
        "school": school,
        "college": college,
        "degree": degree,
        "cgpa": cgpa,
        "password" : password
    }

    db.collection('users').insertOne(data,(err,collection)=>{
        if(err){
            throw err;
        }
        console.log("Record Inserted Successfully");
    });

    return res.redirect('/reg')

})



app.get('/nreg', (req, res) => {

  res.render("new_reg")
})

app.get('/tq', (req, res) => {

  res.render("new_reg")
})

app.get('/tq1', (req, res) => {

  res.render("thankyou")
})

app.post("/nreg",(req,res)=>{
  var name = req.body.firstname;
  var lastname = req.body.lastname;
  var email = req.body.email;
  var mobile = req.body.mobile;
  var gender = req.body.gender;
  var dob = req.body.dob;
  var city = req.body.city;
  var pin = req.body.pin;
  var state = req.body.state;
  var qualification = req.body.qualification;
  var interest = req.body.int;
  var spec = req.body.spec;

  var data1 = {
      "firstname": name,
      "lastname": lastname,
```



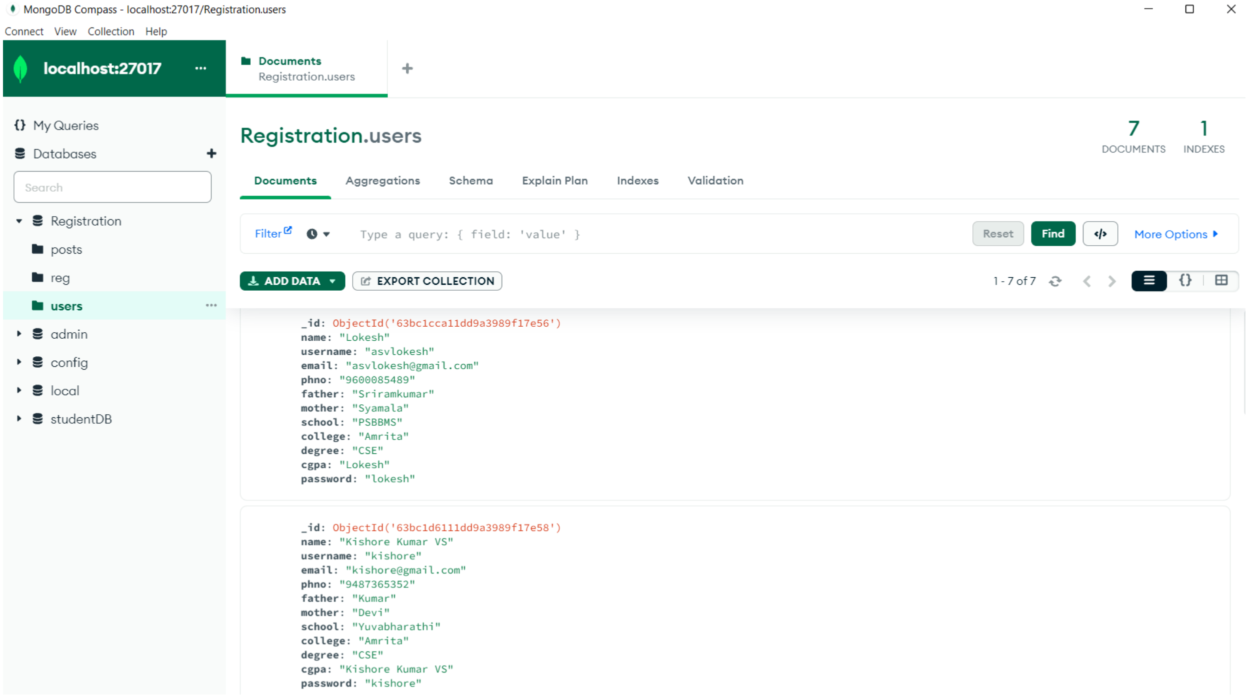
```
      "email" : email,
      "mobile": mobile,
      "gender": gender,
      "dob": dob,
      "city": city,
      "prefCountry": pin,
      "state": state,
      "qualification": qualification,
      "interest": interest,
      "spec" : spec
  }


  db.collection('reg').insertOne(data1,(err,collection)=>{
      if(err){
          throw err;
      }
      console.log("New Registration Record Inserted Successfully");
  });

  return res.redirect('/tq')

})




const userSchema = new mongoose.Schema({
  name : String,
  username : String,
  email : String,
  phno : Number,
  father : String,
  mother : String,
  school : String,
  college : String,
  degree : String,
  cgpa : Number,
  password : String

})


const User = mongoose.model("User", userSchema)

var selectuser = new String()

app.post('/nreg',function(req,res){
  const username=req.body.username
  const password=req.body.password

  User.findOne({username:username},function(err,foundUser){
    if(err){
```



```
    }else{
      if(foundUser){
        console.log(User)

          if(foundUser.password===password){
            selectuser=foundUser.name

            res.render('new_reg')



          }
      }
      else{
        res.redirect('/reg')
      }
    }
  })
})

app.get('/asd', (req, res) => {

  res.render("new_reg")
})

app.get('/nreg', (req, res) => {

  res.render("new_reg")
})

app.get('/2', (req, res) => {

  res.render("2")
})

app.get('/courses', (req, res) => {

  res.render("COURSES")
})

app.get('/error', (req, res) => {

  res.render("error")
})


app.listen(port, () => {
  console.log(`Example app listening on port ${port}`)
})
```

MongoDB

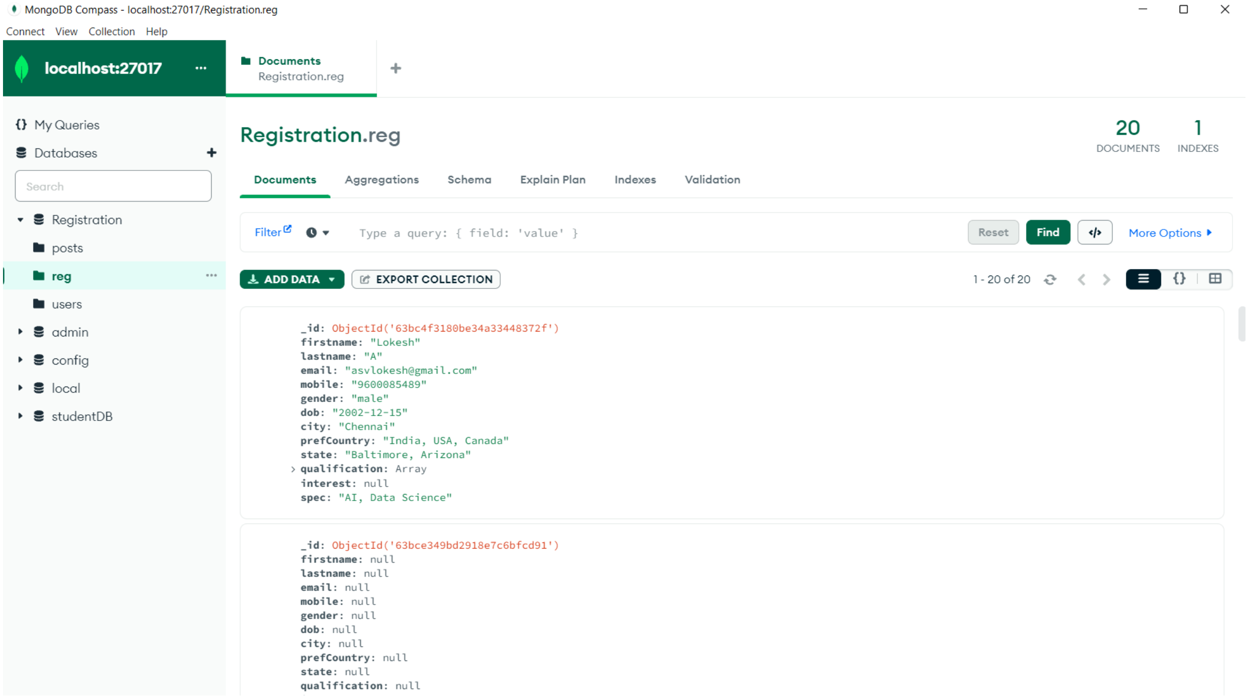
Collection 1: Users



```
_id: ObjectId('63bc1cca11dd9a3989f17e56')
name: "Lokesh"
username: "asvlokesh"
email: "asvlokesh@gmail.com"
phno: "9600085489"
father: "Sriramkumar"
mother: "Syamala"
school: "PSBBMS"
college: "Amrita"
degree: "CSE"
cgpa: "Lokesh"
password: "lokesh"
```

```
_id: ObjectId('63bc1d6111dd9a3989f17e58')
name: "Kishore Kumar VS"
username: "kishore"
email: "kishore@gmail.com"
phno: "9487365352"
father: "Kumar"
mother: "Devi"
school: "Yuvabharathi"
college: "Amrita"
degree: "CSE"
cgpa: "Kishore Kumar VS"
password: "kishore"
```

Collection 2: Reg



```
_id: ObjectId('63bc4f3180be34a33448372f')
firstname: "Lokesh"
lastname: "A"
email: "asvlokesh@gmail.com"
mobile: "9600085489"
gender: "male"
dob: "2002-12-15"
city: "Chennai"
prefCountry: "India, USA, Canada"
state: "Baltimore, Arizona"
> qualification: Array
interest: null
spec: "AI, Data Science"
```

```
_id: ObjectId('63bce349bd2918e7c6bfcd91')
firstname: null
lastname: null
email: null
mobile: null
gender: null
dob: null
city: null
prefCountry: null
state: null
qualification: null
```