CAREERBRIDGE

Course of

EXL- Certified Software Test Engineer

Submitted By

RUBY.S

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INTRODUCTION

INTRODUCTION

Project Outline (Purpose And Goal)

By learning online course like Career bridge the unemployed youth to understand their strengths, build tomorrow's skills needed by recruiters and secure employment with them, there by building sustainable careers for our beneficiaries.

This Career bridge is an integrated workforce development organization.

Career bridge is india's leading workforce development platform that helps learners in building careers with leading corporates through training & other career building services.

The concept of traditional education has changed within the last couple of years being physically present in a classroom isn't the only learning option anymore- not with the rise of the internet and new technologies, at least.

Nowadays, you have access to a quality education whenever and wherever you want, as long as you can get online. we are entering a new revolution of online education.

According to the most recent survey research group over 30% of higher education student in the united states are taking at least one distance course

Online education is a sensible choice whether you're a student or an adult.

SCOPE AND OPPORTUNITIES

Scope and Opportunities

Careerbridge is india's leading workforce development platform that helps learners in building careers with leading corporates through training & other career building services

Placement Opportunities in best companies,100k learning placed in more than 300 companies, learn from industry experts through live session, Job oriented online courses in india's job guarantee courses. Careerbridge online courses, data analytics courses are available.

Placement support

Training & certification

State of the art facility

Guidance & support

points

*   70% of the placed youth continue in the same jobs for at last 6 months

  *   Empowering thousands of women every year by proving them with strong career

  *   100% increase in household income for thousand of families

  *   400+ youth are trained & certified at each careerbridge career academy

  *   70% of the youth trained at each careerbridge career academy are placed with salaries above 1.5lacs per annum

In the modern age, access to information is the key to professional success. gone are the days when education and learning

were confident to colleges and universities. In the digital age, learning is open to all E-learning is boon to people who face obstacles in getting traditional college education.

Online learning has revolutionized the knowledge economy on a global scale no matter which background one comes from,

there are the online courses certification programs that can expand your knowledge and make you better equipped in today's competitive job market.

Quality employment generation is the positive outcome of certified online courses quality learning resources, the sky's the limit for those enterprising students from reputed institutions.

With access to skilled teachers and who wish to expand their knowledge repository and land coveted jobs in the public and private sector.

In careerbridge 110% money back job guarantee courses are designed to ensure that your are guaranteed a job after successful completion of the training courses, else we refund 110% of the fees.

SYSTEM SPECIFICATION

SYSTEM STUDY

HARDWARE REQUIREMENT

Processors will continue to get faster, smaller and cheaper, whereas memory will continue to get faster, larger and cheaper. The trend except to have a reasonable memory to a powerful processor.

Processor	:	Intel Dual Core Processor
Ram	:	1 GB RAM
Hard Drive	:	160 GB
Monitor	:	17 INCHES
Keyboard	:	104 keys
Mouse	:	Logitech Optical Mouse

SOFTWARE REQUIREMENT

When an application project is considered the three basic software requirements are the platform in which the project is developed, the front-end tool that provides the interaction with the users and the back-end tool that stores the data.

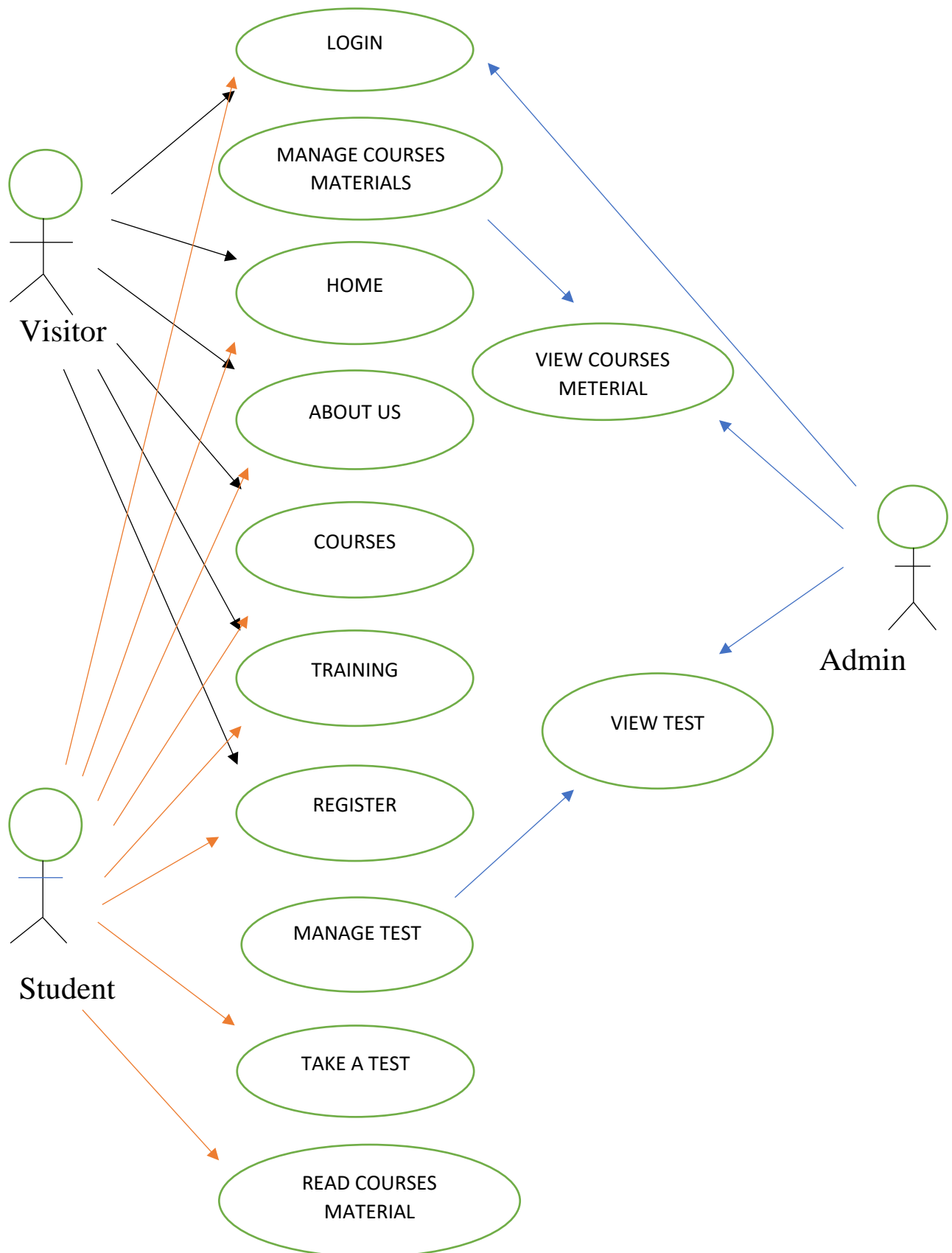|		
Operating System	:	Windows 10
Front-end	:	Notepad, browser.
Back-end	:	MySQL.

FEATURES OF LEARNING IN ONLINE SYSTEM

1. Automating the online system.

2. Reducing time taken between student and staff to communicate

3. Making the student easily accessible the portal

4. Speeding up learning.

5. Reduce time in the automation system by using in your place.

6. Reduce the cost of money occupied the whole year being used.

SYSTEM DESIGN

4. SYSTEM DESIGNING

4.1 USECASE DIAGRAM

Visitor

Student

Admin

- LOGIN
- MANAGE COURSES MATERIALS
- HOME
- VIEW COURSES METERIAL
- ABOUT US
- COURSES
- TRAINING
- VIEW TEST
- REGISTER
- MANAGE TEST
- TAKE A TEST
- READ COURSES MATERIAL

USECASE DESCRIPTIONS

A use case is a methodology used in system analysis to identify, clarify and organize system requirements.

The use case is made up of a set of possible sequences of interactions between systems and users in a particular environment and related to a particular goal.

The method creates a document that describes all the steps taken by a user to complete an activity.

S.No	USECASE	ACTOR	DESCRIPTION
1	Login	Administrator, Student (user) and Visitor.	Enter user name, and password
2	Registration	Administrator, Student (user) and Visitor.	First name, last name, email id, password.
3	Contact us	Administrator, Student (user) and Visitor.	First name, last name, email id, password, subject and comment box.

USECASE EXPLANATION

Use case 001: login

INTORDUCTION: this use case outlines the step that need to be followed in order to login into the system.

Start

ACTOR: Administrator, Student (user)

PRE-CONDITION: user has to have a valid credential

POST-CONDITION: the system display the relevant page

BASIC FLOW: the user enter the user name and password

Scenario:

ACTOR	SOFTWARE REACTION
User name password	If it is valid user can enter into system If it is invalid user it indicates it is wrong user name or password

ALTERNATE FLOW: the user can enter the reg no

SPECIAL REQUIREMENTS: None

ASSOCIATED USE CASE(S): None

Use case 002: Registration

INTORDUCTION: this use case outlines the step that need to be followed in order to register form

ACTOR: student (user) and admin.

PRE-CONDITION: user has to have a valid credential

POST-CONDITION: the system display the relevant page

BASIC FLOW: the system confirms that the entered details is correct or not.

Scenario:

ACTOR	SOFTWARE REACTION
First name Last name Email id Password	The system verifies that the above items has been filled out If any data is missing, the system warns the user and the steps continues with software reaction If all data has been entered the system ask the user to view the result. If the user indicate they want to end the scenario here And If the user indicate that their marks are not correct the scenario continues with software reaction.

ALTERNATE FLOW: None

SPECIAL REQUIREMENTS: None

ASSOCIATED USE CASE(S): None

Use case 003: Contact us

INTORDUCTION: this use case outlines the step that need to be followed in order to fill out the data

ACTOR: student (user) and admin

PRE-CONDITION: user has to have a valid credential

POST-CONDITION: the system display the relevant page

BASIC FOLW: the user enter the details

Scenario:

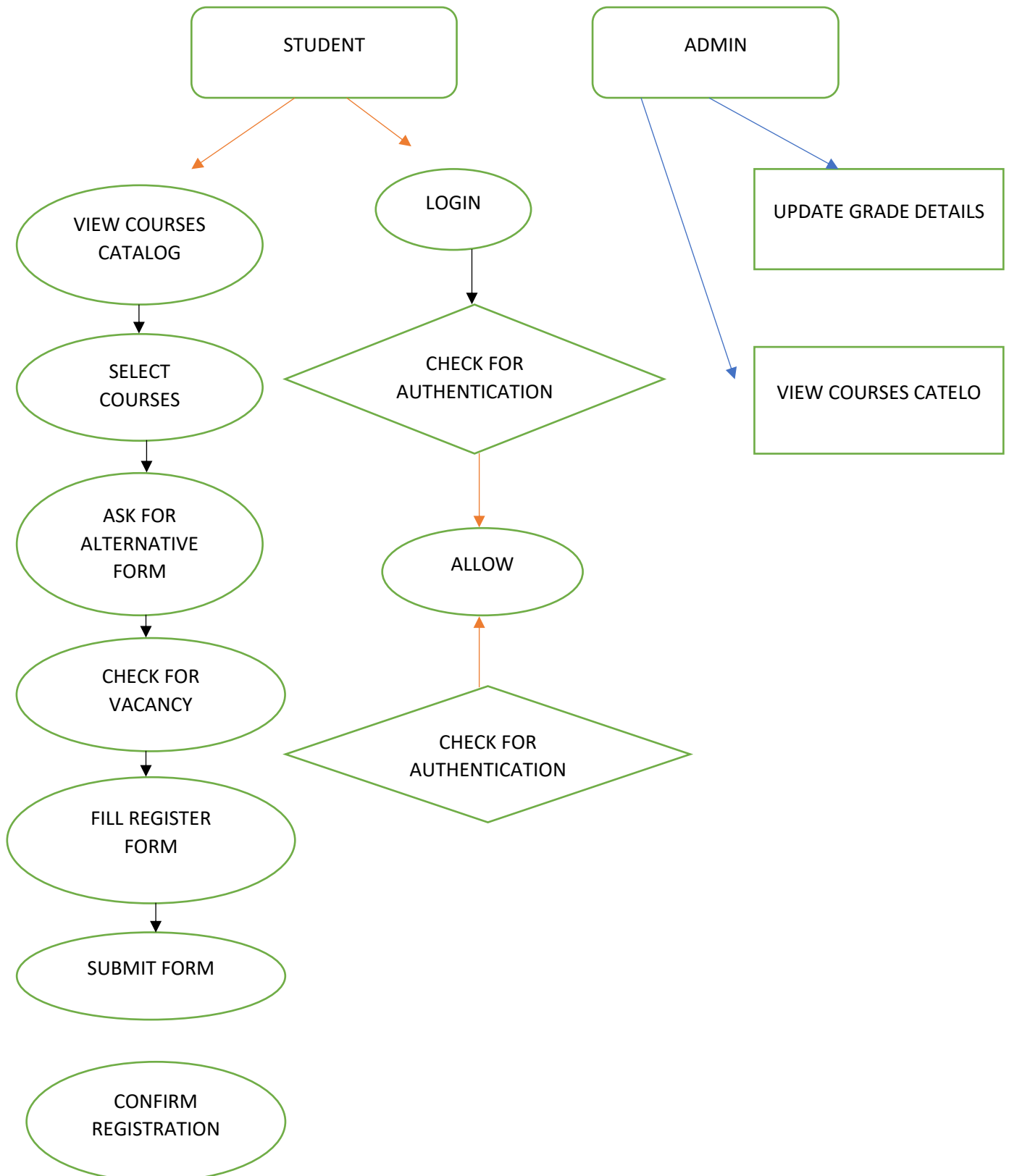| ACTOR	SOFTWARE REACTION
First name Last name Email id Password Subject Comment	The system verifies that the above items has been filled out If any data is missing, the system warns the user and the steps continues with software reaction If all data has been entered the system ask the user to view the result. If the user indicate they want to end the scenario here And If the user indicate that their marks are not correct the scenario continues with software reaction.

ALTERNATE FLOW: click the help option

SPECIAL REQUIREMENTS: None

ASSOCIATED USE CASE(S): None

4.2 ACTIVITY DIAGRAM

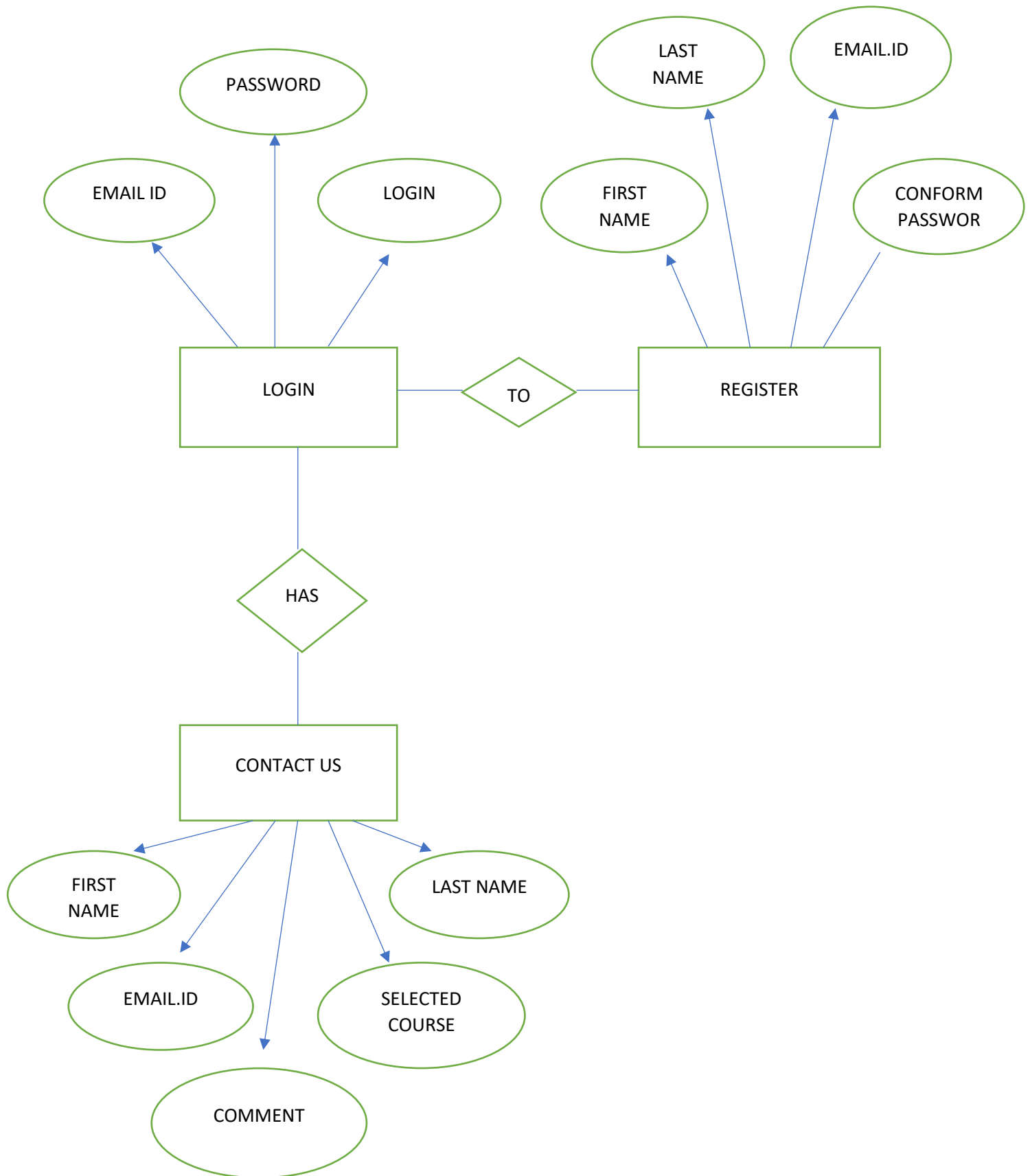An activity diagram **shows Online and software processes as a progression of actions**.

```
        STUDENT                                ADMIN

  VIEW COURSES          LOGIN                         UPDATE GRADE DETAILS
    CATALOG

    SELECT        CHECK FOR                           VIEW COURSES CATELO
   COURSES      AUTHENTICATION

   ASK FOR          ALLOW
 ALTERNATIVE
    FORM

  CHECK FOR      CHECK FOR
   VACANCY     AUTHENTICATION

 FILL REGISTER
    FORM

 SUBMIT FORM

   CONFIRM
 REGISTRATION
```

4.3 CLASS DIAGRA,M

The purpose of class diagram is to model the static view of an application. Class diagrams are the only diagrams which can be directly mapped with object-oriented languages and thus widely used at the time of construction.

STUDENT
Name: string
Location: string
Login ()
Logout ()

ADMINISTRATOR
Date: date
Number: string
Admit ()
Close ()

Free courses
Date: date
Number: string
Confirm ()
Login ()
Dispatch ()
Logout ()

Payment courses
Name: string
Location: string
Confirm ()
Admit ()
Dispatch ()
Close ()
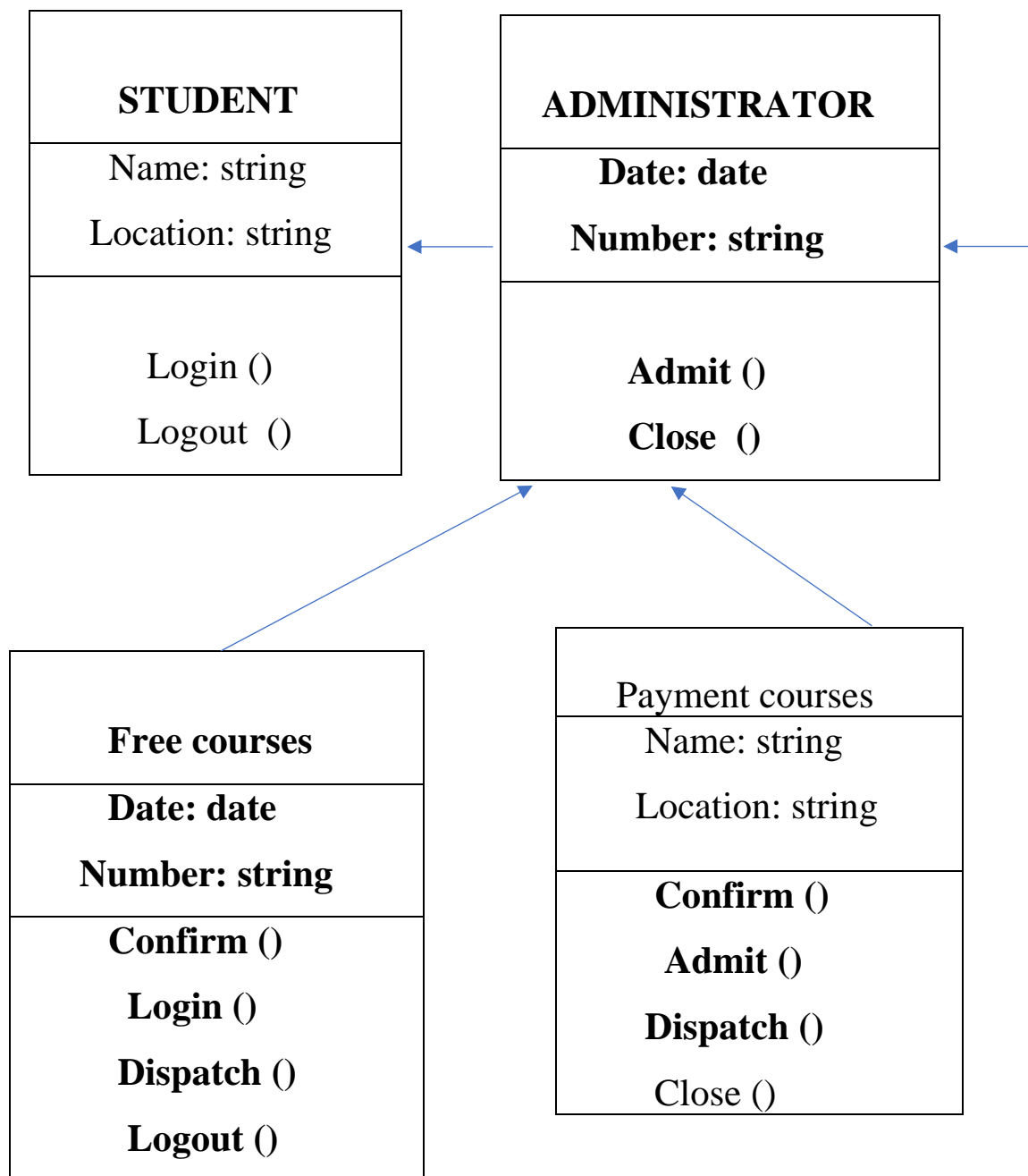
4.4 Entity Relational Diagram (ER)

4.5 DATA FLOW DIAGRAM.

A data flow diagram (DFD) is a graphical model the show all of the main requirement For an information system in a diagram : input and output, process, and data storage. A DFD

Describe what data flows rather than how it is processed. Everyone working on a development project can see all aspects of the system working

Together at once with DFD. That is one of the reason for its popularity, the DFD is also easy To read because it is graphical model. The DFD is mainly used during problem analysis. End

DFD with minimal training.

DFD SYMBOL

1. Process

2. Data Flow

3. External Entity
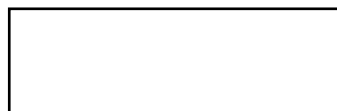
4. Data Store
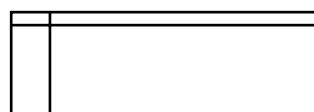
DATA FLOW DIAGRAM.

Level-0

```
┌──────────┐         ╭───────────╮         ┌─┬──────────┐
│  LOGIN   │────────▶│  STUDENT  │────────▶│ │ LEARNER  │
└──────────┘         ╰───────────╯         │ │ DATABASE │
                                            └─┴──────────┘
```

Level-1

```
┌──────────┐         ╭───────────╮         ┌─┬──────────┐
│  GUIDE   │────────▶│  STUDENT  │────────▶│ │ LEARNER  │
└──────────┘         ╰───────────╯         │ │ DATABASE │
                           │                └─┴──────────┘
                           │
                           │      ╭───────╮      ┌─┬──────────────┐
                           ├─────▶│ LOGIN │─────▶│ │ LOGIN DETAILS│
                           │      ╰───────╯◀─────│ │    TABLE     │
                           │                      └─┴──────────────┘
                           │
                           │      ╭──────────╮   ┌─┬──────────────────┐
                           ├─────▶│ REGISTER │──▶│ │ REGISTER DETAILS │
                           │      ╰──────────╯◀──│ │      TABLE       │
                           │                      └─┴──────────────────┘
                           │
                           │      ╭─────────╮    ┌─┬─────────────────┐
                           └─────▶│ CONTACT │───▶│ │ CONTACT DETAILS │
                                  ╰─────────╯◀───│ │      TABLE      │
                                                  └─┴─────────────────┘
```

Level-2

```
┌──────────┐         ╭───────────╮         ┌─┬──────────────┐
│ STUDENT  │────────▶│  RECEVER  │────────▶│ │ CAREERBRIDGE │
└──────────┘         ╰───────────╯         │ │   LEARNER    │
                                            └─┴──────────────┘
```
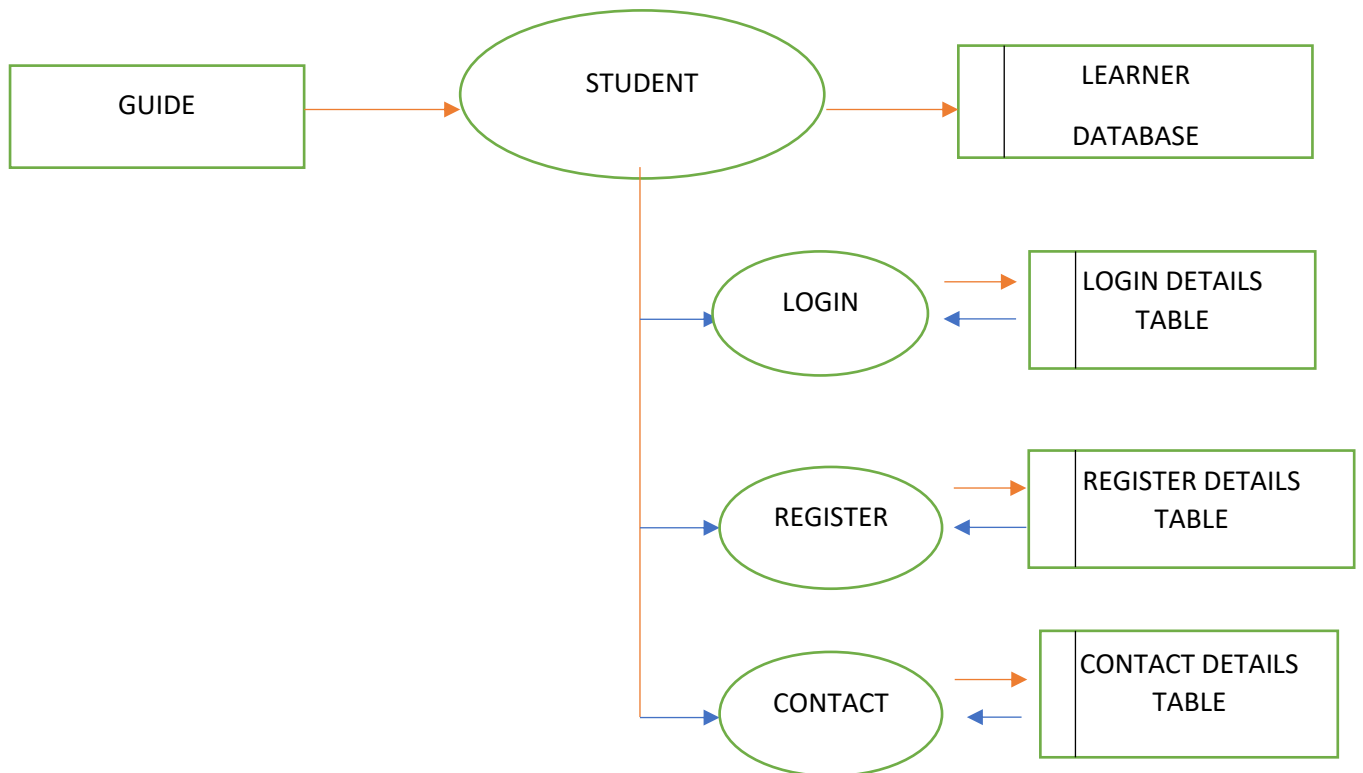
4.6 TABLE STRUCTURE

TABLE NAME: LOGIN

PRIMARY KEY: EMAIL ID

COLUMN NAME	DATA TYPE	DESCRIPTION
EMAIL ID	TEXT	EMAIL ID
PASSWORD	NUMBER	PASSWORD

TABLE NAME: REGISTER

PRIMARY KEY: EMAIL ID

COLUMN NAME	DATA TYPE	DESCRIPTION
FIRST NAME	TEXT	FIRST NAME
LAST NAME	TEXT	LAST NAME
EMAIL ID	TEXT	EMAIL ID
CONFORM PASSWORD	NUMBER	CONFORM PASSWORD

TABLE NAME: CONTACT US

PRIMARY KEY: EMAIL ID

FOREIGN KEY: COMMENT BOX

COLUMN NAME	DATA TYPE	DESCRIPTION
FIRST NAME	TEXT	FIRST NAME
LAST NAME	TEXT	LAST NAME
EMAIL ID	TEXT	EMAIL ID
SUBJECT	TEXT	SUBJECT
COMMENT BOX	TEXT	COMMENT BOX

IMPLEMENTATION

5. DESCRIPTION OF MODULES

MODULES

In this website I have created the online learning platform for unemployed youth career I have named as Careerbridge

In webpage I have include home, about us, course etc….

On Navigation bar

   HOME

   ABOUT US

   COURSES

   TRAINING

   CONTACT US

   LOGIN (REGISTRATION FORM)

HOME

      " WELLCOME TO CAREERBRIDGE

      you can learn for your future

      start learning.... "

This is my quotation mentioned in my home page this will attract the learners quickly and I have mentioned the website link to check out the strategies to attract the student is necessary for the survival and growth of your business.

ABOUT US

Careerbridge is india 's leading workforce development platform that helps learners in building careers with leading corporates through training & other career building services

COURSES

Fill stack developer

Data Science.

Artificial Intelligence.

Graphic Design.

Data Analytics.

Digital Marketing.

The above mentioned courses are available in Careerbridge

At all time

TRAINING

Smooth training like fun quiz to be more interactive and to enjoy their leaning better.

Online education comprises audio, text, video, animations, chats with tutors or mentors, and virtual training that is given by the teachers to the students.

These are the methods of conveying the skills and knowledge to the students so that they can become professionals in their fields.

CONTACT US

Careerbridge learning " allows students to share their ideas on various subjects with each other ".

Student-led online discussions typically motivate deeper understanding as well as yield interesting personal applications of course concepts and theories.

(FRONTEND) WEBPAGE

I have used HTML , CSS , JAVASCRIPT to develop the frontend design

HTML

(Hypertext Markup Language)

HTML stands for Hyper Text Markup Language. It is used to design web pages using a markup language. HTML is the combination of Hypertext and Markup language.

Hypertext defines the link between web pages. A markup language is used to define the text document within the tag which defines the structure of web pages.

This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly.

Most markup languages (e.g. HTML) are human-readable. The language uses tags to define what manipulation has to be done on the text.

1.HTML Modules(.html)

2.PHP Modules (.php)

HTML page structure:

The basic structure of an HTML page is laid out below. It contains the essential building-block elements (i.e. doctype

declaration, HTML, head, title, and body elements) upon which all web pages are created.

- It is easy to learn and easy to use.
- It is platform-independent.
- Images, videos, and audio can be added to a web page.
- Hypertext can be added to the text.
- It is a markup language.

CSS

(Cascading Style Sheet)

Cascading **S**tyle **S**heets, fondly referred to as **CSS**, is a simply designed language intended to simplify the process of making web pages presentable.

CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page.

It describes how a webpage should look: it prescribes colors, fonts, spacing, and much more. In short, you can make your website look however you want.

CSS lets developers and designers define how it behaves, including how elements are positioned in the browser.

While html uses tags, css uses rulesets. CSS is easy to learn and understand, but it provides powerful control over the presentation of an HTML document.

- **CSS saves time:** You can write CSS once and reuse the same sheet in multiple HTML pages.

- **Easy Maintenance:** To make a global change simply change the style, and all elements in all the webpages will be updated automatically.

- **Search Engines:** CSS is considered a clean coding technique, which means search engines won't have to struggle to "read" its content.

- **Superior styles to HTML:** CSS has a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.

- **Offline Browsing:** CSS can store web applications locally with the help of an offline cache. Using this we can view offline websites.

JAVASCRIPT

JavaScript is a lightweight, cross-platform, and interpreted compiled programming language which is also known as the scripting language for webpages.

It is well-known for the development of web pages, many non-browser environments also use it.

JavaScript can be used for CLIENT-SIDE developments as well as SERVER_SIDE developments.

Javascript is both imperative and declarative type of language. JavaScript contains a standard library of objects, like array, date and math, and a core set of language elements like **operators**, **control structures**, and **statements**.

Client-side:

It supplies objects to control a browser and its Document Object Model (DOM).

Like if client-side extensions allow an application to place elements on an HTML form and respond to user events such as **mouse clicks**, **form input**, and **page navigation**.

Server-side:

It supplies objects relevant to running JavaScript on a server. Like if the server-side extensions allow an application to communicate with a database,

it provide continuity of information from one invocation to another of the application, or perform file manipulations on a server.

Imperative language –

In this type of language we are mostly concern about how it is to be done . It simply control the flow of computation .

The procedural programming approach , object, oriented approach comes under this like async await we are thinking what it is to be done further after async call.

Declarative programming

In this type of language we are concern about how it is to be done basically here logical computation require .Here main goal is to describe the desired result without direct dictation on how to get it like arrow function do .

5.1 CODING.

```html
<html>

<head>

<title> online with easy learning</title>

<link rel="stylesheet" type="text/css" href="css/style.css">

<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-
free@6.1.2/css/fontawesome.min.css">

<center>

<br>

<br>

<div class="title">

<h1>WELLCOME TO CAREERBRIDGE</h1>

<h2>you can learn for your future</H2>

<h3> start learning....</h3>

<a href="https://www.careerride.com/">

<p>Visit careerbridge's website</p></a>

</center>

</div>

<style>
```

```css
*
{
padding: 0;

margin: 0;

box-sizing: border-box;

}
body
{
background-image: url(https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcRjQ_LrIE8hw5Qaqpiv2A9tf
9cq6nn7BAT8Kk5IyJcmuJZ9DI2M0k6i780hkY4_1uZXspg&usqp=C
AU);

background-size: cover;

background-position: center;

font-family: sans-serif;

}
section
{
padding:2rem 7%;

}
```

```css
.heading
{
text-align: center;
color: #0a140c;
text-transform: uppercase;
padding-bottom: 3rem;
font-size: 1rem;
}
.heading span
{
color:var(--main-color);
text-transform: uppercase;
}
.menu-bar
{
background: rgb(0,0,30);
text-align: center;
}
.menu-bar ul
{
```

```css
display: inline-flex;

list-style: none;

color: #fff;

}

.menu-bar ul li

{

width: 120px;

margin: 15px;

padding: 15px;

}

.menu-bar ul li a

{

text-decoration: none;

color: #fff;

}

.active, .menu-bar ul li:hover

{

background: #008CBA;

border-radius: 100px;

}
```

```css
#login-form

{

display: none;

/* this block is for hiding the form */

}

.form-box

{

width:650px;

height:480px;

position:relative;

margin:2% auto;

background:rgba(0,0,0,0.3);

padding:10px;

overflow:hidden;

/*creating te form with width and height*/

}

.button-box

{

width:220px;

margin:35px auto;
```

```css
position:relative;

box-shadow: 0 0 20px 9px #ff61241f;

border-radius: 30px;

}

.toggle-btn

{

padding:10px 30px;

cursor:pointer;

background:transparent;

border:0;

outline: none;

position: relative;

}

#btn

{

top: 0;

left: 0;

position: absolute;

width: 110px;

height: 100%;
```

```css
background:#0080ff ;

border-radius: 30px;

transition: .5s;

}

.input-group-login

{

top: 150px;

position:absolute;

width:280px;

transition:.3s;

}

.input-group-register

{

top: 120px;

position:absolute;

width:280px;

transition:.3s;

}

.input-field

{
```

```css
width: 100%;

padding:10px 0;

margin:5px 0;

border-left:0;

border-top:0;

border-right:0;

border-bottom: 1px solid #999;

ontline:none;

background: transparent;

}

.submit-btn

{

width: 85%;

padding: 10px 35px;

cursor: pointer;

display: block;

margin: auto;

background: dodgerblue;

border: 0;

outline:none;
```

```css
border-radius: 30px;

}

.check-box

{

margin: 30px 10px 34px 0;

}

span

{

color:#e6f5ff;

font-size:12px;

bottom:68px;

position:absolute;

}

#login

{

left:40px;

}

#login input

{

color:white;
```

```css
font-size:15;

}

#register

{

left:340px;

}

#register input

{

color:white;

font-size: 15;

}

.about .row

{

display:flex;

align-items: center;

background:var(--blue);

flex-wrap: wrap;

}

.about .row .image

{
```

```css
flex: 1 1 45rem;

}

.about .row .image img

{

width: 400%;

}

.about .row .content

{

flex:1 1 45rem;

padding:2rem;

}

.about .row .content h2

{

font-size:2rem;

color: #0a140c;

}

.about .row .content p

{

font-size:1rem;

color: #0a140c;
```

```css
padding:0.5rem 0;

line-height: 1;

}

menu.box-container

{

display: grid;

grid-template-columns: repeat(auto-fit, minmax(30rem, 1fr));

gap: 1.5rem;

}

menu.box-container .box

{

padding:5rem;

text-align: center;

border:var(--border);

}

menu.box-container .box img

{

height: 10rem;

}
```

```css
menu.box-container .box h2

{

color: #fff;

font-size: 2rem;

padding:1rem 0;

}

menu.box-container .box .price

{

color: #fff

font-size: 2.5rem;

padding: 5rem 0;

}

menu.box-container .box .price span

{

color: #fff;

font-size: 1.5rem;

text-decoration: line-through;


}

menu.box-container .box:hover
```

```
    {

    background:#fff;

    }

    menu.box-container .box:hover>*

    {

    color:var(--blue);

    }

    </style>

    </head>

    <body>

    <div class="Menu-bar">

    <ul>

    <li class="active">

    <a href="#">home</a>

    </li>

    <li>

    <a href="#">About Us</a>

    </li>

    <li>

    <a href="#">Course</a>
```

```html
</li>

<li>

<a href="#">Training</a>

</li>

<li>

<a href="#">Contact</a>

</li>

<li>

<button class='Loginbtn'onclick="document.getElementById('Login-form').style.display='block'"style="width:auto;">Login</button>

</li>

</ul>

</div>


<div id='Login-form'class='Login-page'>

<div class="form-box">

<div class='button-box'>

<div id='btn'>

</div>
```

```html
<button type='button'onclick='Login()'class='toggle-btn'>Login</button>

<button type='button'onclick='register()'class='toggle-btn'>register</button>

</div>

<!--creating login form-->

<form id='Login' class='input-group-login'>

<input type='text'class='input-field'placeholder='email id'required>

<input type='password'class='input-field'placeholder='enter [password'required>

<input type='checkbox'class='check-box'>

<span>remember password</span>

<button type='submit'class='submit-btn'>login</button>

</form>

<form id='register'class='input-group-register'>

<input type='text'class='input-field'placeholder='first name'required>

<input type='text'class='input-field'placeholder='last name'required>

<input type='email'class='input-field'placeholder='email id'required>

<input type='password'class='input-field'placeholder='confirm password'required>
```

```html
<input type='checkbox'class='check-box'>

<span>i agree to the terms and conditions</span>

<button type='submit'class='submit-btn'>register</button>

</form>

</div>

</div>

<!-- now we style the form page--->

<!---About Us section is start-->

<br>

<br>

<br>

<br>

<br>

<div class="About us">

<p align="center">

<font face="sans-serif" color="#fff" size="4">ABOUT US</font>

</p>

<div class="image">

<center>

<table align="center" cellspacing="6" cellpadding="4">
```

```html
<tr>

<td>

<img src=C:\Users\user\Downloads\online3.jpg height="200" width="350"/>

</td>

<td>

<img src=C:\Users\user\Downloads\online6.jpg height="200" width="350"/>

</td>

<td>

<img src=C:\Users\user\Downloads\online9.jpg height="200" width="350"/>

</td>

</tr>

<tr>

<td>

<img src=C:\Users\user\Downloads\online5.jpg height="200" width="350"/>

</td>

<td>
```

```html
<img src=C:\Users\user\Downloads\online8.jpg height="200" width="350"/>

</td>

<td>

<img src=C:\Users\user\Downloads\online4.jpg height="200" width="350"/>

</td>

</tr>

</table>

</center>

<center>

<img src=C:\Users\user\Downloads\online12.jpg height="200" width="400"/>

<img src=C:\Users\user\Downloads\online11.jpg height="200" width="400"/>

</div>

</center>

<br>

<div class="content">

<h2>What Makes Us Learning Spcial?</h2>
```

```html
<p>1. ENHANCE YOUR QUALITY OF LIFE : Learning provides you with an escape when you need it, knowledge when you seek it, and a great and satisfying pastime.</p>

<p>2. REDUSE STRESS : A new hobby can be a great stress reliever. It helps us break out of our normal patterns of behaviour.</p>

<p>3. GAIN CONFIDENCE : When we succeed in learning something we feel better, more confident in ourselves and our ability to tackle all sorts of new tasks.</p>

<p>4. KNOWLEDGE IS POWER : When you have knowledge, you have the power to achieve many things. One of the most crucial reasons to learn something new is that you gain power when you do.</p>
<a href="#" class="btn">learn more</a>

</div>


</div>

</section>

<!---- cource --->

<br>

<br>

<br>
```

```html
<br>

<section class="menu" id="menu">

<h1 class="heading"> OUR COURSES <span></span> </h1>


<div class="container">

<center>

<div class="box">

<img src=C:\Users\user\Downloads\online13.jpg height="150" width="275"/>

<h2>full stack developer</h2>

<div class="fees">$2000

<span>2000</span>

</div>

<a href="#" class="btn">click to join</a>

</div>

<div class="box">

<img src=C:\Users\user\Downloads\online15.jpg height="150" width="275"/>

<h2>Artificial Intelligence.</h2>

<div class="fees">$2000
```

```html
<span>2000</span>

</div>

<a href="#" class="btn">click to join</a>

</div>

<div class="box">

<img src=C:\Users\user\Downloads\online14.jpg height="150" width="275"/>

<h2>Data Science</h2>

<div class="fees">$2000

<span>2000</span>

</div>

<a href="#" class="btn">click to join</a>

</div>

<div class="box">

<img src=C:\Users\user\Downloads\online16.jpg height="150" width="275"/>

<h2>Data Analytics</h2>

<div class="fees">$2000

<span>2000</span>

</div>
```

```html
<a href="#" class="btn">click to join</a>

</div>

<div class="box">

<img src=C:\Users\user\Downloads\online17.jpg height="150"
width="275"/>

<h2>Digital Marketing</h2>

<div class="fees">$2000

<span>2000</span>

</div>

<a href="#" class="btn">click to join</a>

</div>

<div class="box">

<img src=C:\Users\user\Downloads\online18.jpg height="150"
width="275"/>

<h2>Graphic Design</h2>

<div class="fees">$2000

<span>2000</span>

</div>

<a href="#" class="btn">click to join</a>

</div>
```

```html
</center>

</div>

</section>

<!---- training ---->

<br>

<br>

<br>

<br>

<div class="TRAINING">

<p align="center">

<font face="sans-serif" color="#0a140c" size="5"> TRAINING

</font>

</p>

<br>

<br>

<br>

<table border="0" width="1300" height="500" align="center"
bgcolor="#044c84">

<tr>

<td rowspan="2" width="100" height="500">
```

```html
</td>

<td width="500" height="500">

<p style="color:black">

<big>

<big> Us Online Training Courses....</big>

<big>

</br>

</br>

<big>Flexible scheduling and self learning make it easier to fit studies into your busy life. 97% of UCW MBA students are working or have a job lined up within a year of graduation. Competitive tuition rates. Start: Jan, Apr, Jul, Oct. ACBSP accredited. Faster completion. Min Score of 6.5 in IELTS. Global network. Degree programs: MBA, Bachelor of Commerce, Bachelor of Arts, Associate of Arts.</big>

</p>

</td>

<td align="center" width="700"height="500">

</td>

</tr>

</table>

</div>
```

```html
<!---- contact us ---->

<br>

<br>

<br>

<br>

<br>

<br>

<center>

<div class="contact ">

<p align="center">

<font face="sans-serif" color="#0a140c" size="5">CONTACT
</font>

</p>

<!-- Contact from --->

<br>

<br>

<br>

<form name="F1" id="contact form">

<table align="center" cellspacing="15" cellpadding="10"
border="1">
```

```html
<tr>

<td>

<input type="text" name="First Name" placeholder="First Name"required="required" />

</td>

<td>

<input type="text" name="Last Name" placeholder="Last Name"required="required" />

</td>

</tr>

<tr>

<td>

<input type="email" name"Email" placeholder="Email" required="required" />

</td>

<td>

<input type="text" name"subject" placeholder="Subject" required="required" />

</td>

</tr>
```

```html
<tr>

<th colspan="2">

<textarea name="message" placeholder="Enter Your Message"
required="required" minlength="20" maxlength="100"> </textarea>

</th>

</tr>

<tr>

<th colspan="2">

<input type="Submit" name="contact-submit" form="contact-form"
value="send" />

</th>

</tr>

</table>

</form>

</center>

</div>

<!-- footer --->

<br>

<br>

<br>
```

```html
<center>

<footer>

<p align="center">

<a href="index.html">

<font face="sans-serif" size="7" color="#0a140c">ENJOY
LEARNING</font>

</a>

<br>

<br>

<font face="sans-serif" size="5" color="#0a140c">"For the things we
have to learn before we can do them, we learn by doing them."</font>

</p>

</footer>

</center>

<script>

var x=document.getElementById('login');

var y=document.getElementById('Register');

var z=document.getElementById('btn');

function register()

{
```

```
x.style.left='-400px';

y.style.left='50px';

z.style.left='110px';

}

function login()

{

x.style.left='50px';

y.style.left='450px';

z.style.left='0px';

}

</script>

<!--this code is for the when you click out the login or registration
page the form-box disappears-->

<script>

var modal = document.getElementById('login-form');

window.onclick = function(event)

{

if (event.target == modal)

{

modal.style.display= "none";
```

```
        }

    }

</script>

<!--let us run and see-->

</body>

</html>
```

5.2 INPUT.

HOME PAGE
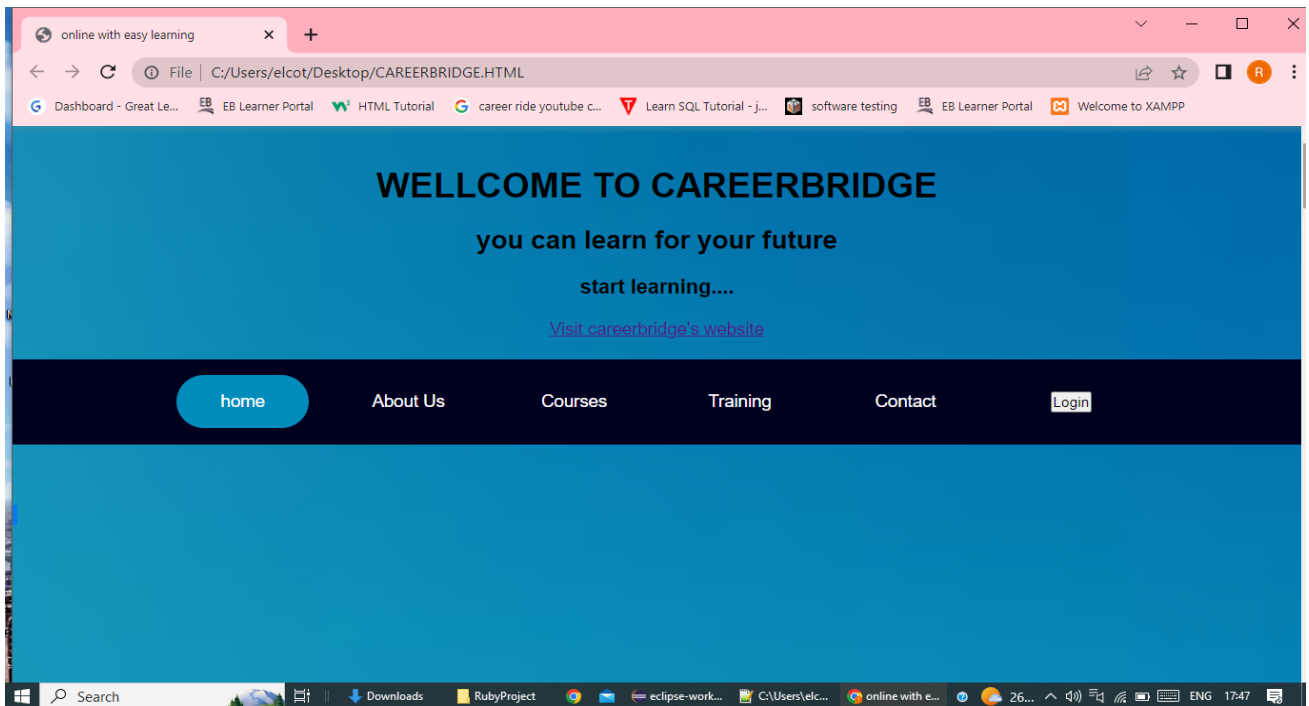
In above figure we can able to view home page

LOGIN FORM
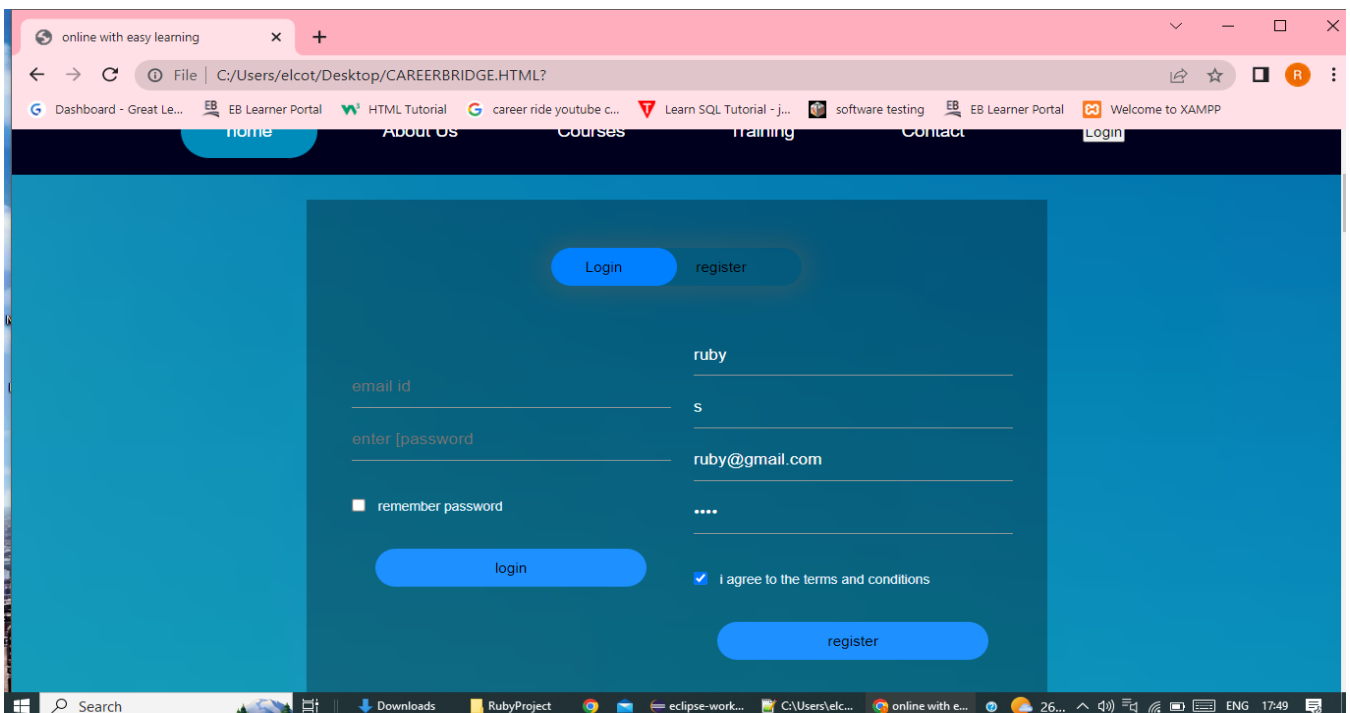
In above figure we can able to view login page

ABOUT US
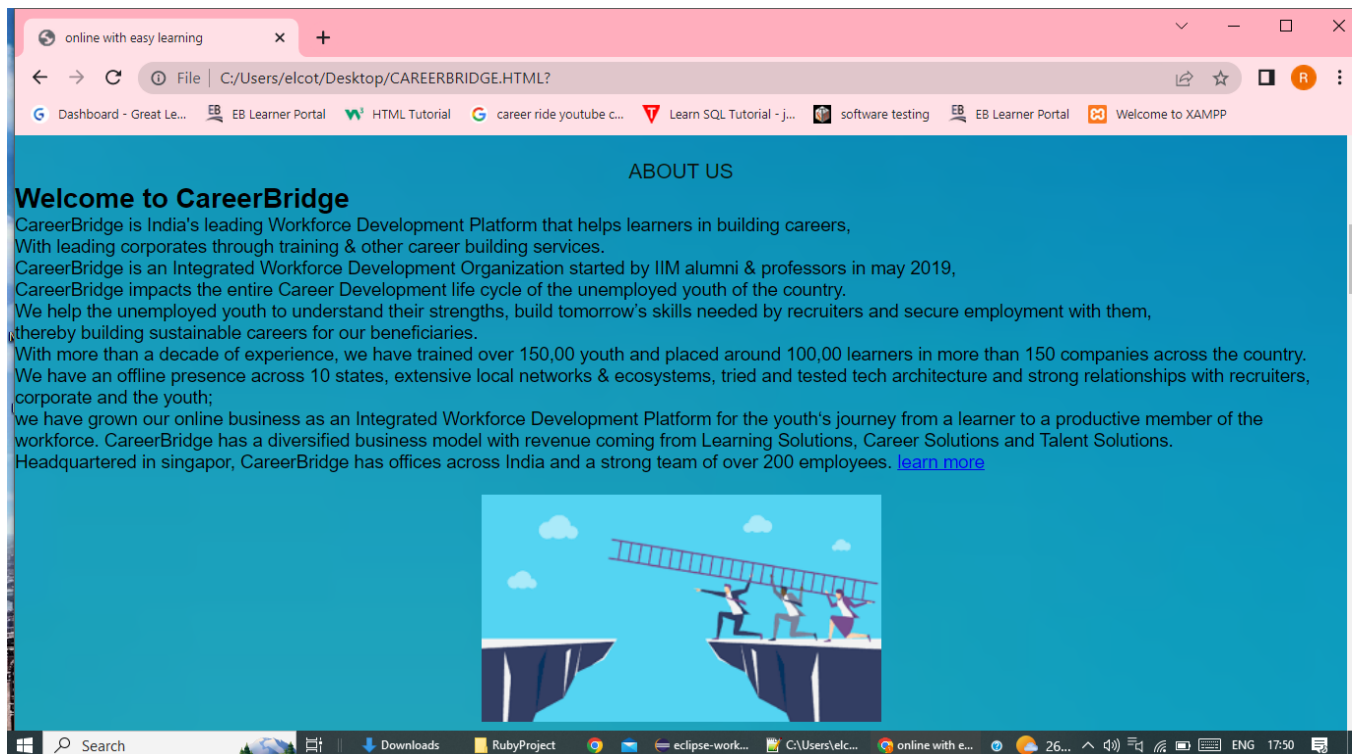
In above figure we can able to view about us page
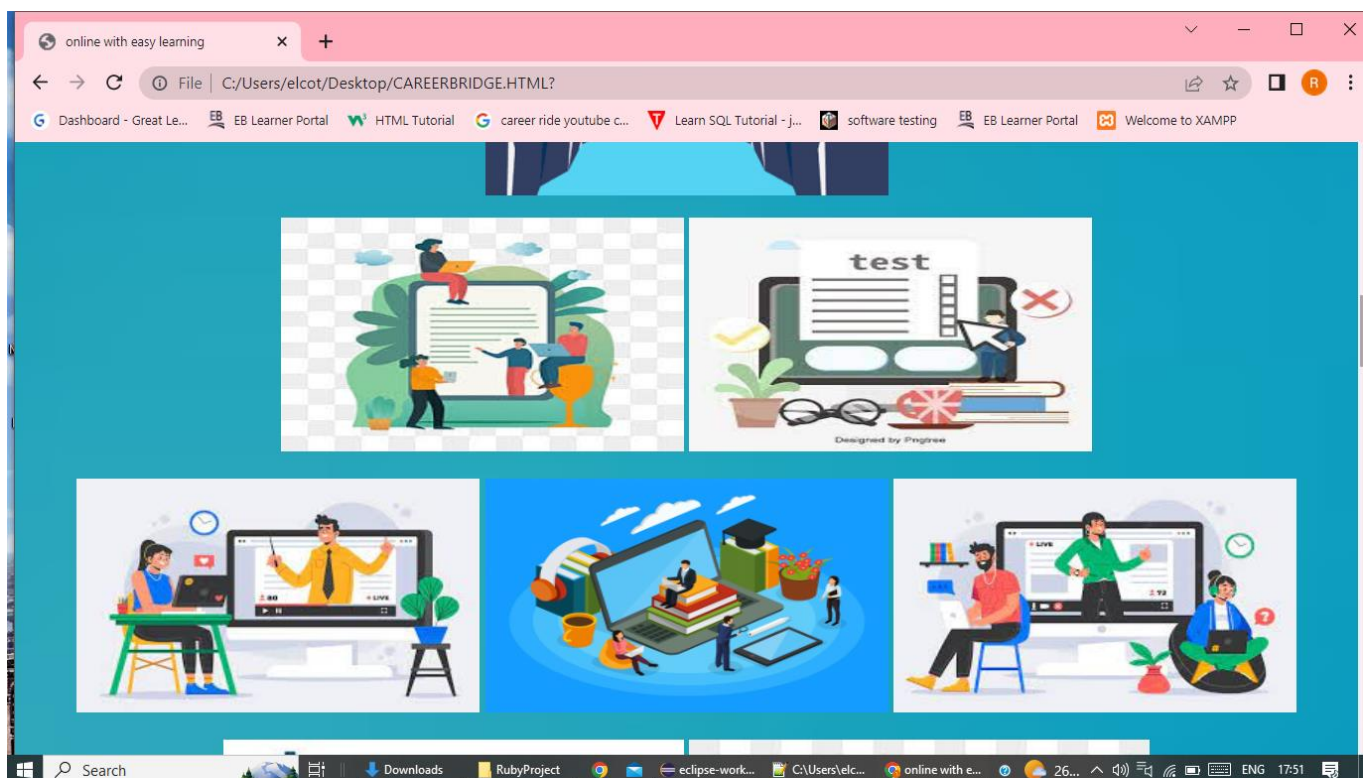
In above figure we can able to view about us page
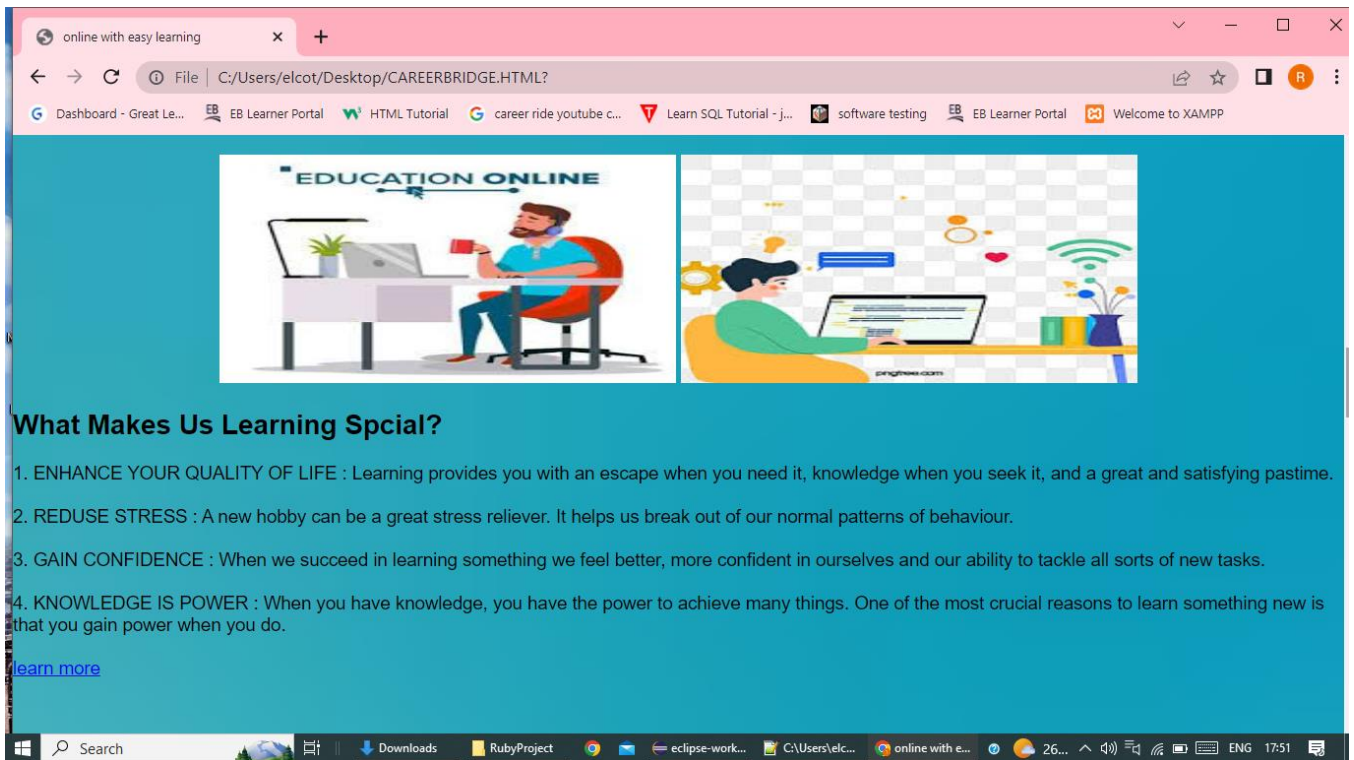
In above figure we can able to view about page

COURSES
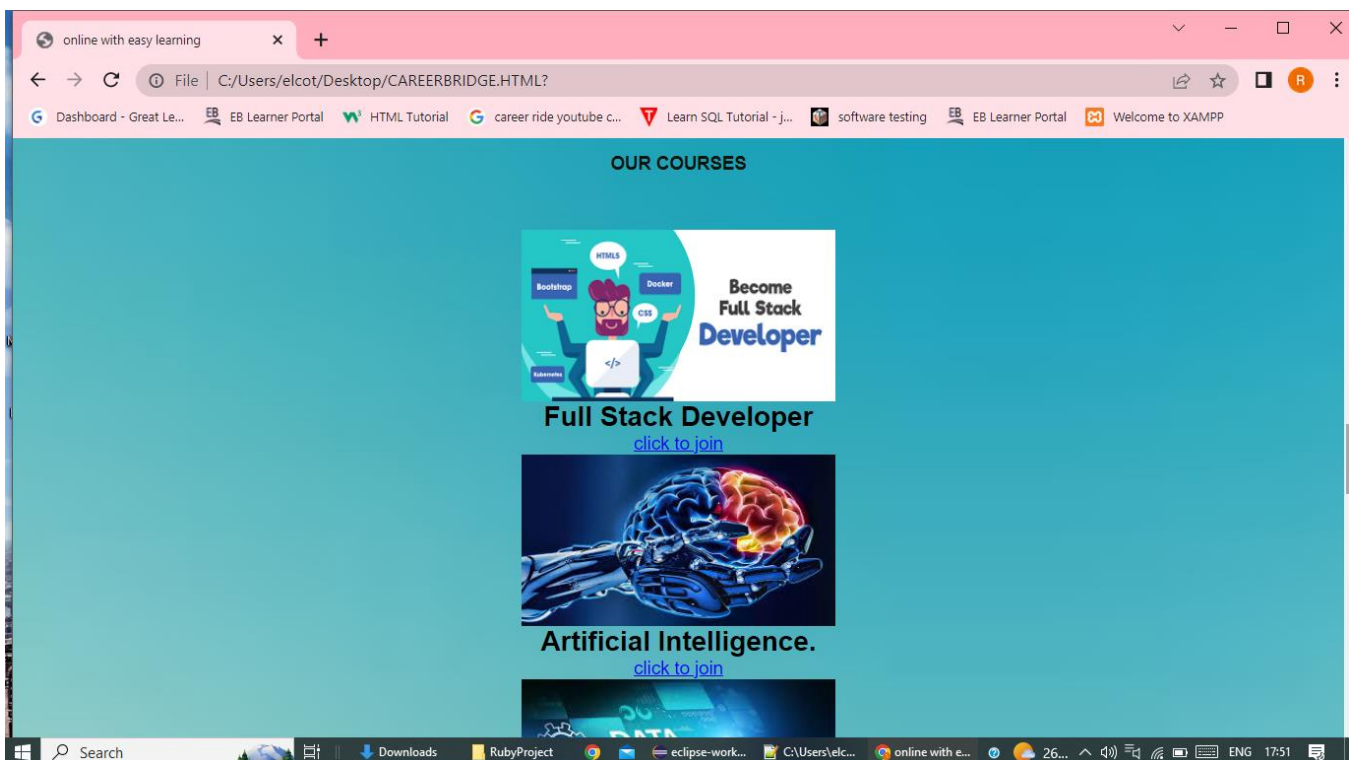
In above figure we can able to view courses page
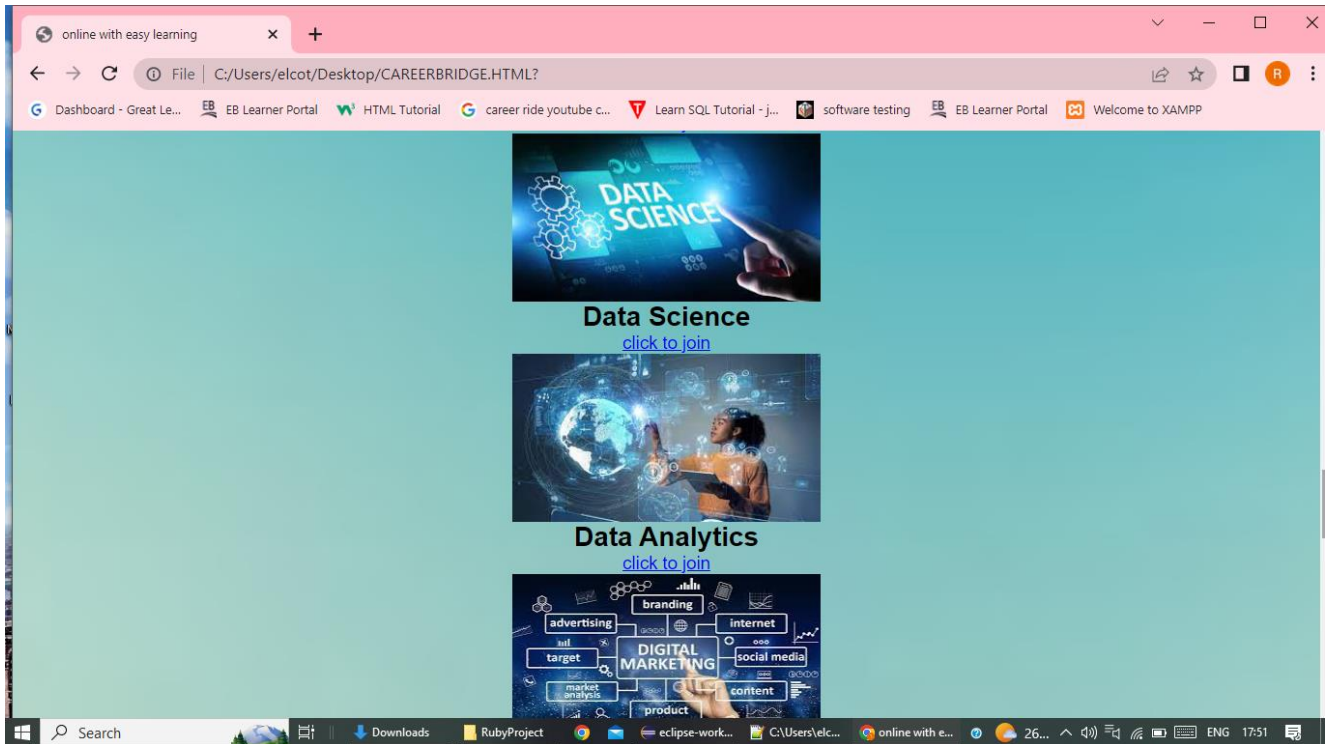
In above figure we can able to view courses page
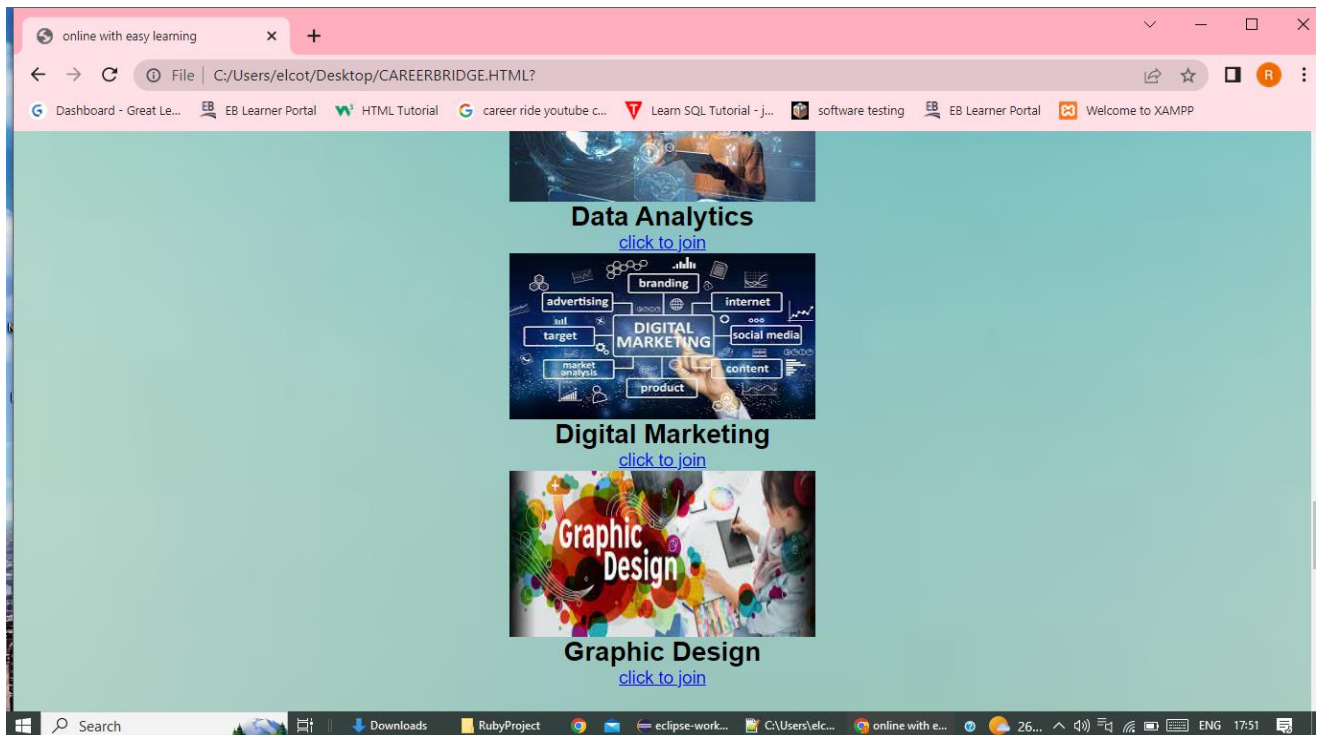
In above figure we can able to view courses page

TRAINING
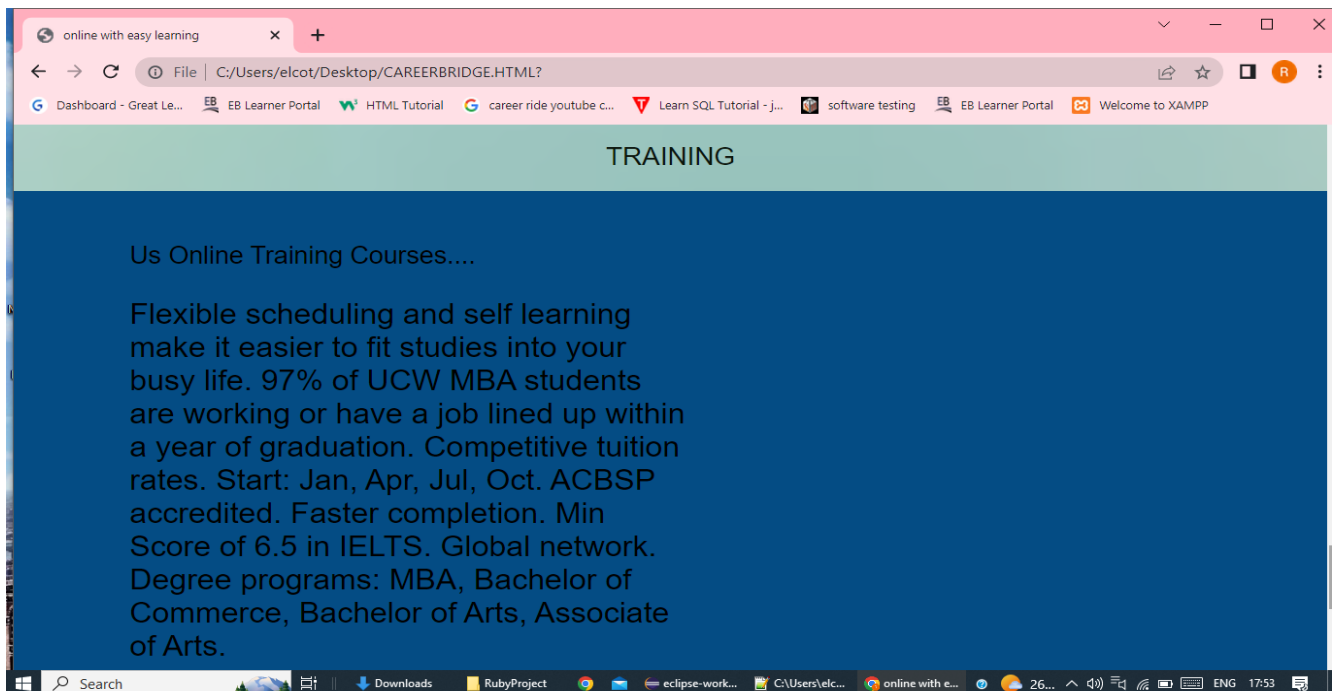
In above figure we can able to view training page

CONTACT US
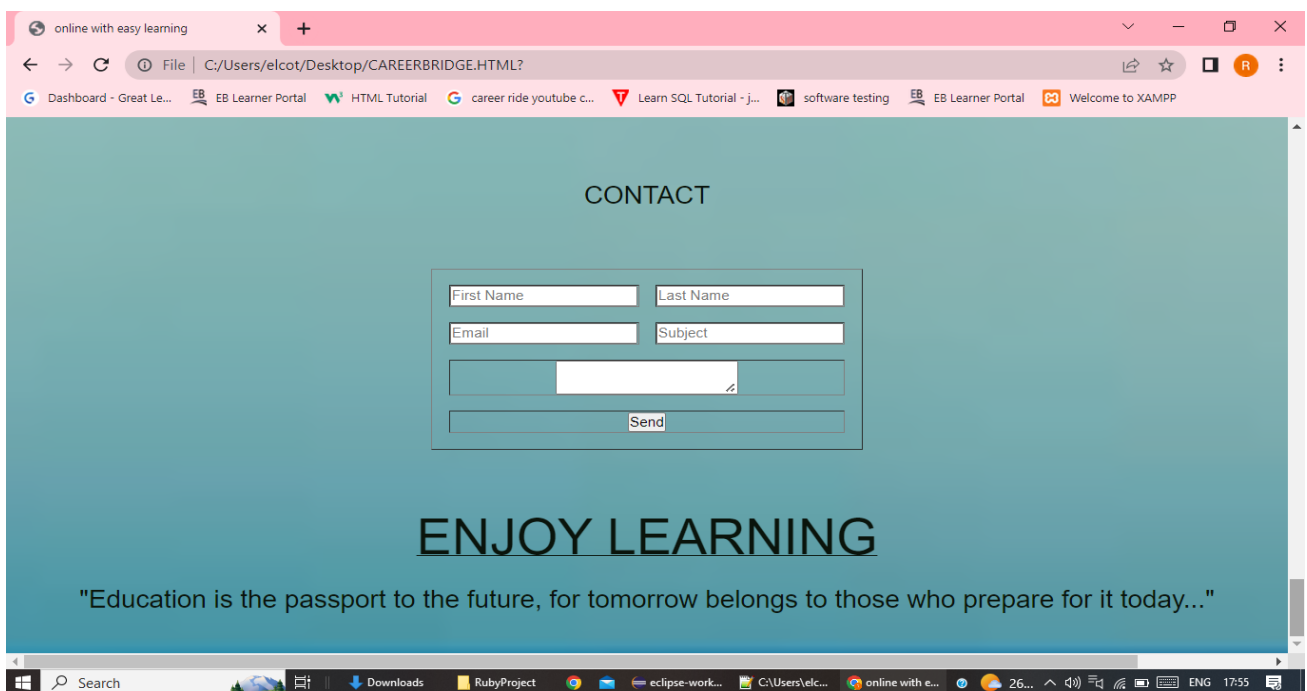
In above figure we can able to view contact us page

SYSTEM TESTING

6.TESTING

6.1 System Testing

System Testing is a level of testing that validates the complete and fully integrated software product. The purpose of a system test is to evaluate the end-to-end system specifications.

Usually, the software is only one element of a larger computer-based system. Ultimately, the software is interfaced with other software/hardware systems.

System Testing is defined as a series of different tests whose sole purpose is to exercise the full computer-based system.

Two Category of Software Testing

- Black Box Testing
- White Box Testing

System test falls under the **black box testing** category of software testing.

White box testing is the testing of the internal workings or code of a software application. In contrast, black box or System Testing is the opposite. System test involves the external workings of the software from the user's perspective.

TESTING METHODOLOGIES

Software Testing Methodology is defined as strategies and testing types used to certify that the Application under Test meets client expectations.

Test Methodologies include functional and non-functional testing to validate the AUT. Examples of Testing Methodologies are **Unit Testing, Integration Testing, System Testing, Performance Testing** etc.

Each testing methodology has a defined test objective, test strategy, and deliverables.

There are tons of methodologies available for software development and its corresponding testing.

Each testing technique and methodology is designed for a specific purpose and has its relative merits and demerits.

Selection of a particular methodology depends on many factors such as the **nature of a project, client requirement, project schedule,** etc.

From a testing perspective, some methodologies push for testing input early in the development life cycle, while others wait until a working model of the system is ready.

EQUIVALENCE PARTITIONING

Equivalence classes are evaluated for given input conditions. Whenever any input is given, then type of input condition is checked, then for this input conditions, Equivalence class represents or describes set of valid or invalid states.

Let us consider an example of any college admission process. There is a college that gives admissions to students based upon their percentage.

Consider percentage field that will accept percentage only between 50 to 90 %, more and even less than not be accepted, and application will redirect user to an error page.

If percentage entered by user is less than 50 % or more than 90 %, that equivalence partitioning method will show an invalid percentage.

If percentage entered is between 50 to 90 %, then equivalence partitioning method will show valid percentage.

6.2 TESTCASE

Testcase for Career Bridge Website.

Project Name: Career Bridge

Reference: Project Functionality Requirement Specification

Created By: http://www.careerbridge.com team

Date of created: 01-October -2022

Date of review: 19-January -2023.

Testcase	Test Objective	Precondition	Step:
TC_EB_01	**Login**	A Valid Account to Login	Email id: Enter password: Click the "remember password" Click the login "button":
TC_EB_02	**Register**	A Valid Account to Register	First name: Last name: Email id: Confirm password: Click "i agree to the terms and conditions": Click the register "button":
TC_EB_03	**Home**	All details	Click the About us
			Click courses
			Click training
			Click contact us

Test data	Expected result	Post Condition	Result
ruby@gmail.com 2720	Logged Successfully	Login inbox is shown	pass
Ruby S ruby@gmail.com 2720	Registered successfully	registered inbox is shown	pass
Details of career bridge	It navigate to about us page	Information's are shown	pass
Details of courses	It navigate to courses page	Information's are shown	pass
Details of courses training	It navigate to training page	Information's are shown	pass
Ruby S ruby@gmail.com 2720 EXL - Certified Software Test Engineer I have selected EXL - Certified Software Test Engineer for my better future....	Contact us form is send successfully	sent inbox is shown	pass

6.3 WEBSITE AUTOMATION TEST USING SELENIUM

Automation Testing is a software testing technique that performs using special automated testing software tools to execute a test case suite.

On the contrary, Manual Testing is performed by a human sitting in front of a computer carefully executing the test steps.

The automation testing software can also enter test data into the System Under Test, compare expected and actual results and generate detailed test reports.

Software Test Automation demands considerable investments of money and resources.

Automation testing process:

Following steps are followed in an Automation Process

Step 1. Test Tool Selection

Step 2. Define scope of Automation

Step 3. Planning, Design and Development

Step 4. Test Execution

Step 5. Maintenance

SELENIUM AUTOMATION

Selenium is a free, open-source automation testing suite for web applications across different browsers and platforms.

It is somewhat similar to HP Quick Test Pro (QTP, currently UFT). However, Selenium focuses on automating web-based applications.

Testing done using Selenium is usually referred to as Selenium testing. Remember, only testing web applications is possible with Selenium. You cannot use it to test desktop applications or mobile applications.

I have created an website for online courses named as CareerBridge And I have done test Automation on my project by using selenium and the syntax for testing my website is

6.4 Selenium code for Career bridge:

```java
import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class CareerBridge

 {

public static void main(String[] args) throws InterruptedException

{

System.setProperty("webdriver.chrome.driver",
"C:\\Users\\elcot\\Documents\\chromedriver_win32\\chromedriver.exe");

WebDriver driver=new ChromeDriver();

driver.get("file:///C:/Users/elcot/Desktop/CAREERBRIDGE.HTML");

driver.manage().window().maximize();

Thread.sleep(2000);

driver.findElement(By.xpath("//button[@class='Loginbtn']")).click();

JavascriptExecutor js = (JavascriptExecutor) driver;

//Scroll down till the bottom of the page

js.executeScript("window.scrollBy(0,300)");
```

```java
driver.findElement(By.className("input-field")).sendKeys("ruby@gmail.com");

driver.findElement(By.className("input-field")).sendKeys("2720");

driver.findElement(By.xpath("//button[@class='check-box']")).click();

driver.findElement(By.className("submit-btn")).click();

driver.findElement(By.xpath("//button[@class='Loginbtn']")).click();

JavascriptExecutor js1 = (JavascriptExecutor) driver;

//Scroll down till the bottom of the page

js1.executeScript("window.scrollBy(0,300)");

driver.findElement(By.className("input-field")).sendKeys("Ruby");

driver.findElement(By.className("input-field")).sendKeys("S");

driver.findElement(By.className("input-field")).sendKeys("ruby@gmail.com");

driver.findElement(By.className("input-field")).sendKeys("2720");

driver.findElement(By.xpath("//button[@class='check-box']")).click();

driver.findElement(By.xpath("//button[@class='submit-btn']")).click();

JavascriptExecutor js2 = (JavascriptExecutor) driver;

//Scroll down till the bottom of the page

js2.executeScript("window.scrollBy(0,document.body.scrollHeight)");
```

```java
driver.findElement(By.name("First Name")).sendKeys("Ruby");

driver.findElement(By.name("Last Name")).sendKeys("S");

driver.findElement(By.name("email")).sendKeys("rub@mail.com");

driver.findElement(By.name("Subject")).sendKeys("EXL - Certified
Software Test Engineer");

driver.findElement(By.name("message")).sendKeys(" i have selected
EXL - Certified Software Test Engineer for my better future");

driver.findElement(By.xpath("//[@type='Submit']")).click();

}

}
```
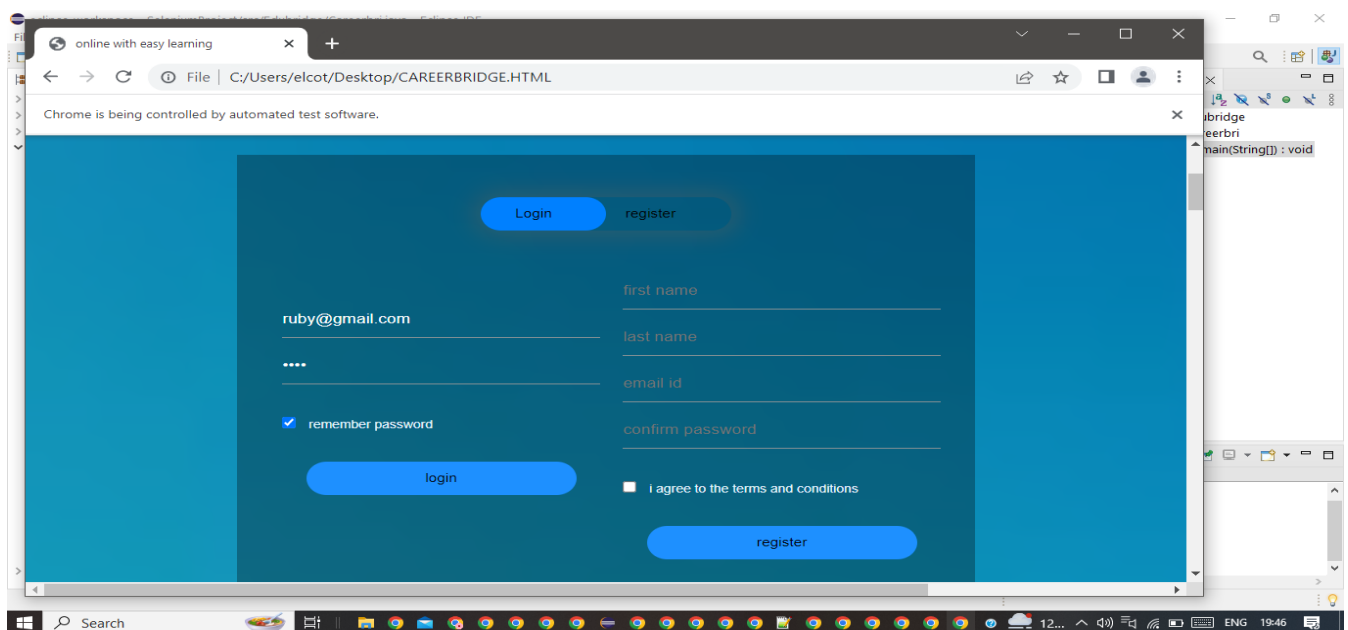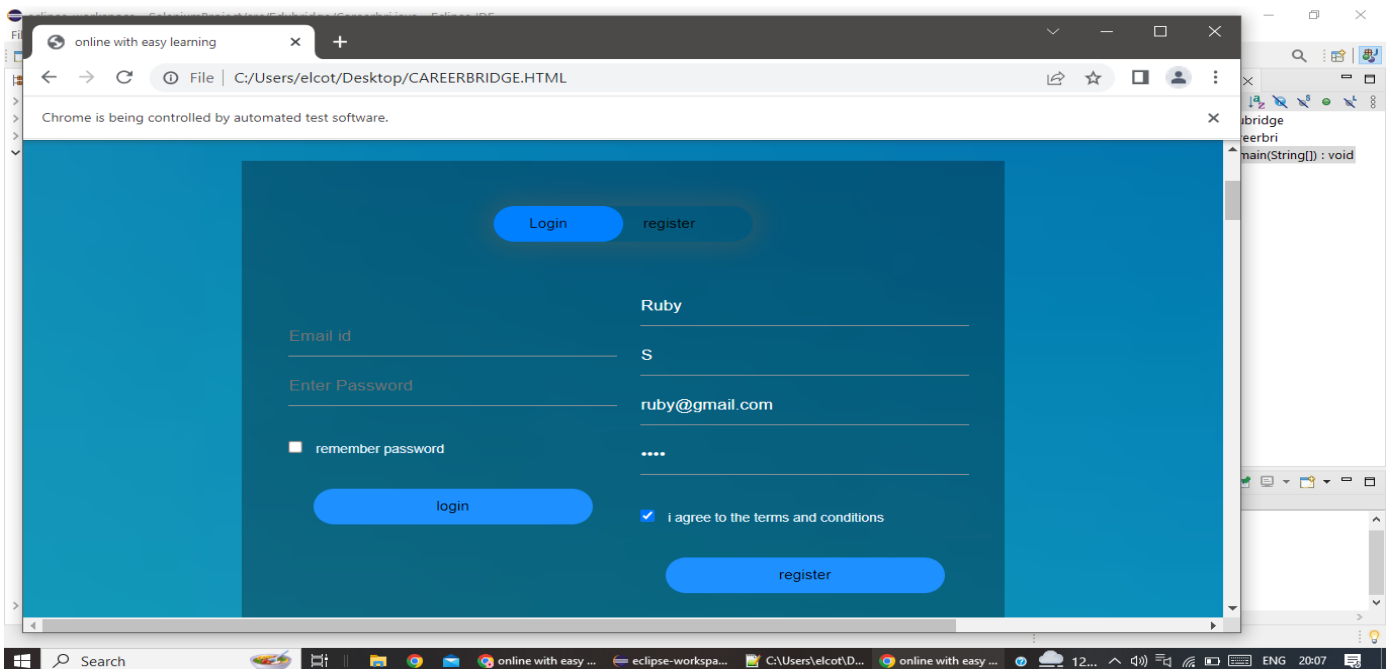
6.5 OUTPUT.

HOME PAGE
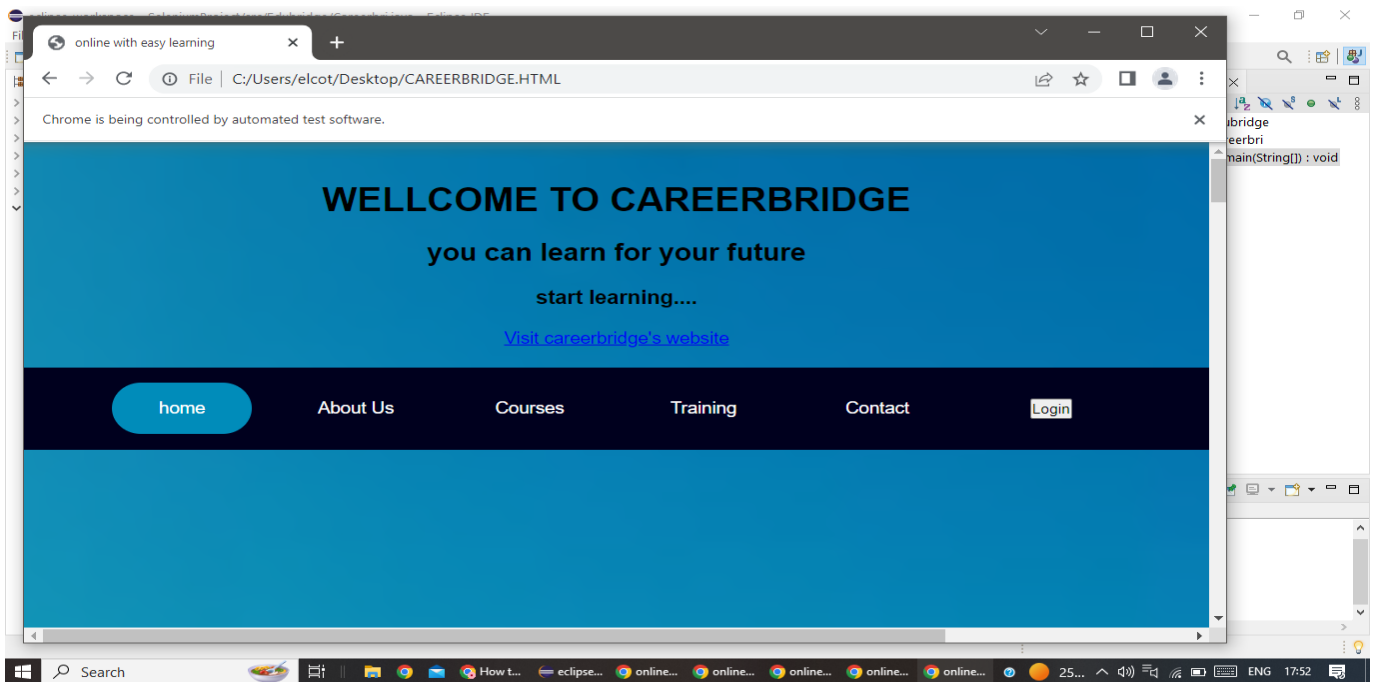
In above figure we can able to view about page

LOGIN PAGE

In above figure we can able to view login page

REGISTER PAGE

In above figure we can able to view register page

SCROLL DOWN TO BOTTOM
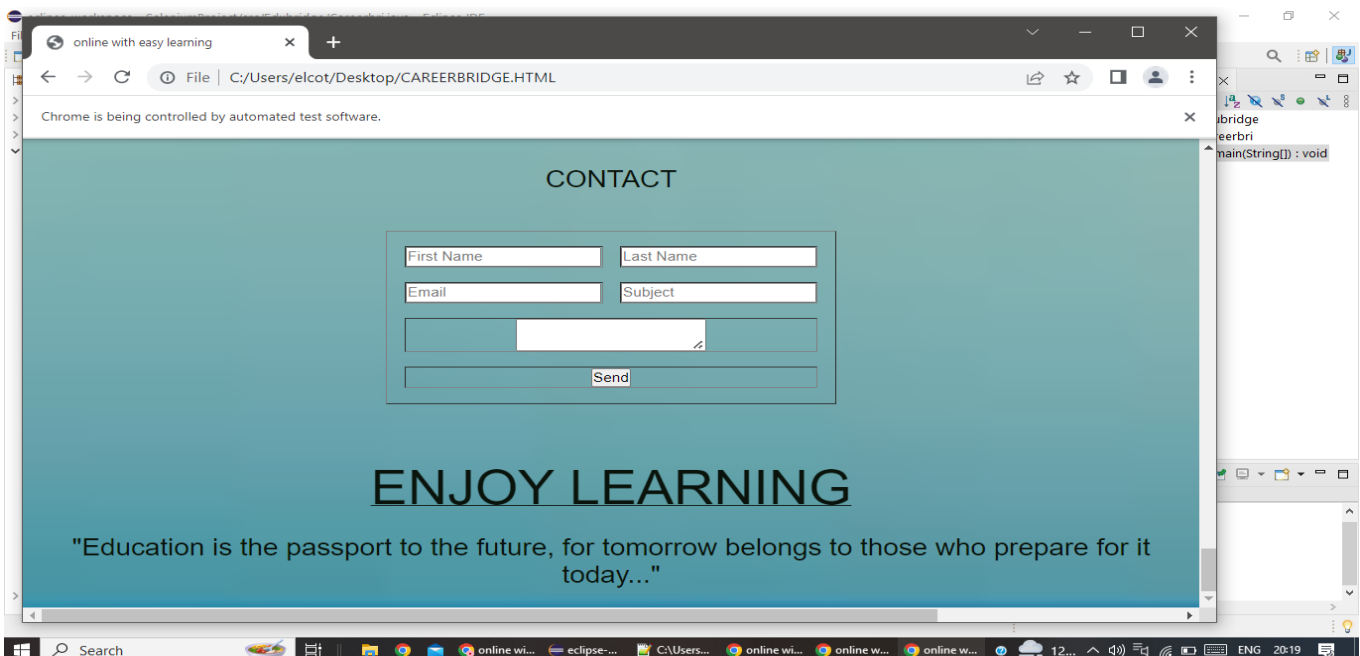
In this above the scrolling output is shown I have given an syntax for scroll down and now we can able to fill the contact form in next step.

CONTACT US PAGE
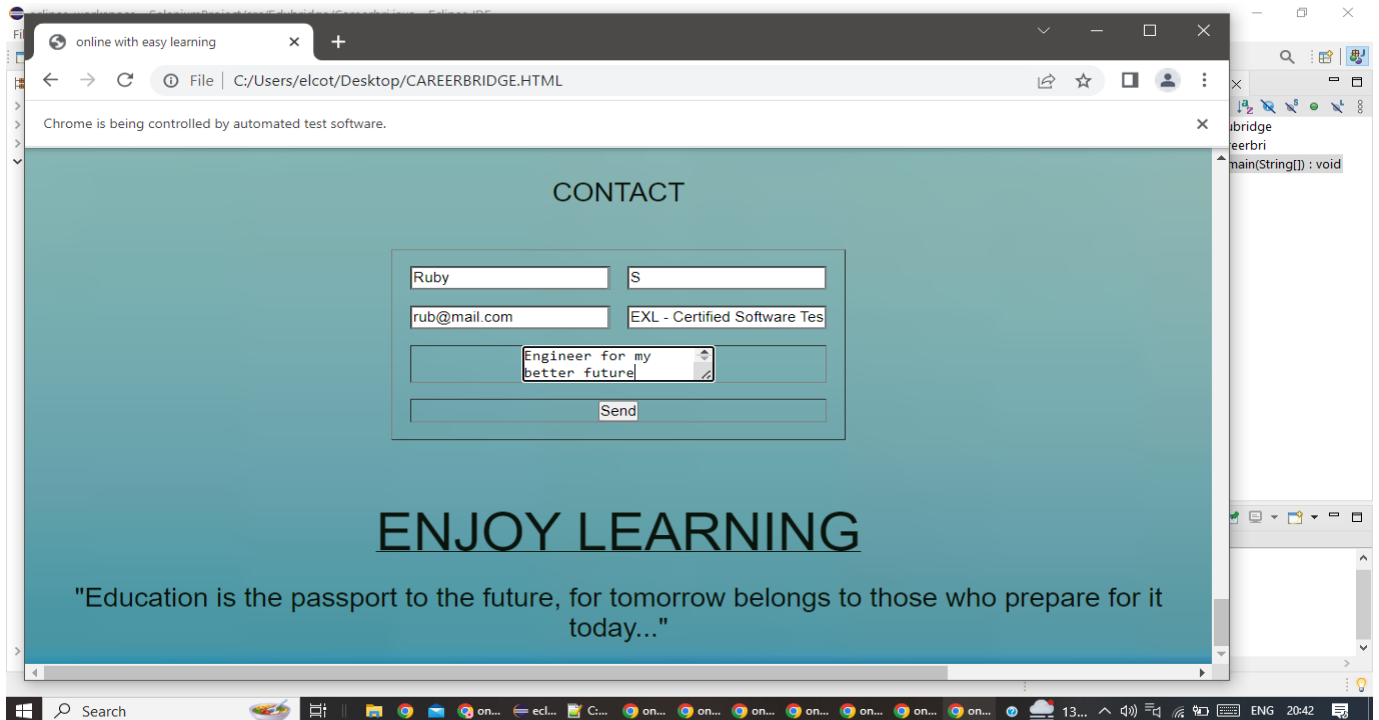
In this above sample contact us page output the browser enter the details like first name, last name, email id ,password, subject, and the main option is comment line.

In this comment line for what reason the student select the particular courses which is available in career bridge website ,

that is mandatory to fill after filling all the details the browser click the send button. And the contact form send successfully.

This is the whole process have done by selenium Automation testing done.

6.6 SELENIUM

Selenium is one of the most widely used open source Web UI (User Interface) automation testing suite. It was originally developed by Jason Huggins in 2004 as an internal tool at Thought Works.

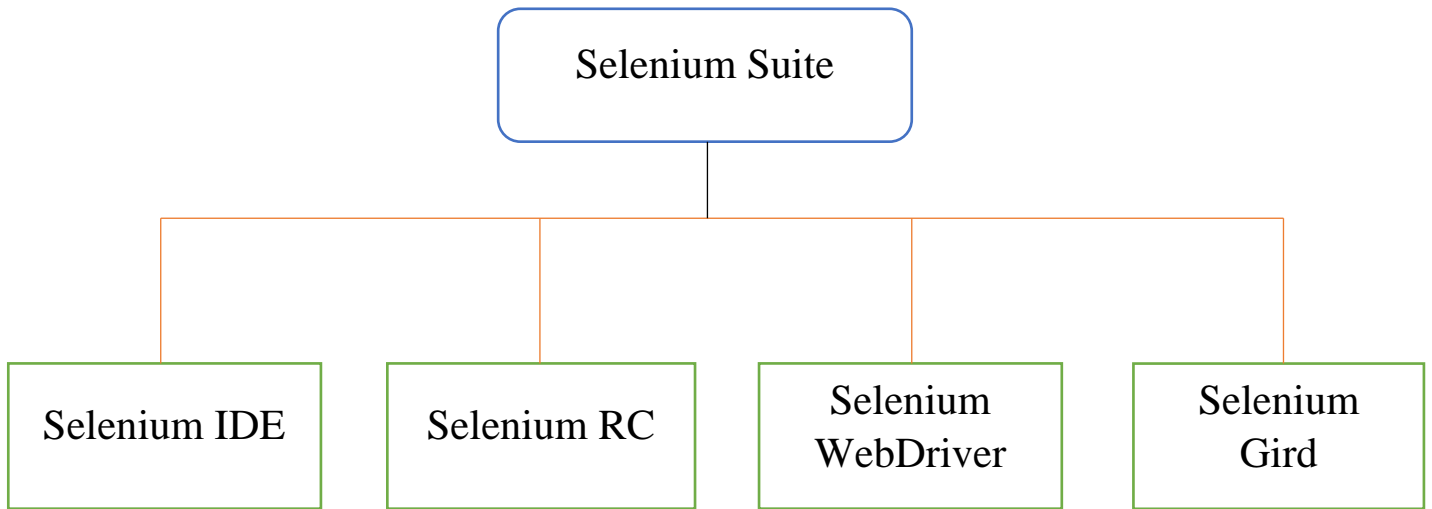Selenium supports automation across different browsers, platforms and programming languages.

Selenium can be easily deployed on platforms such as Windows, Linux, Solaris and Macintosh. Moreover, it supports OS (Operating System) for mobile applications like iOS, windows mobile and android.

Selenium supports a variety of programming languages through the use of drivers specific to each language.

Languages supported by Selenium include **C#, Java, Perl, PHP, Python** and **Ruby.**

Currently, Selenium Web driver is most popular with Java and C#. Selenium test scripts can be coded in any of the supported programming languages and can be run directly in most modern web browsers.

Browsers supported by Selenium include **Internet Explorer, Mozilla Firefox, Google Chrome** and **Safari.**

```
                    ┌─────────────────────┐
                    │   Selenium Suite     │
                    └─────────────────────┘
                              │
       ┌──────────────┬───────┴───────┬──────────────┐
┌────────────┐ ┌────────────┐ ┌────────────┐ ┌────────────┐
│Selenium IDE│ │Selenium RC │ │ Selenium   │ │ Selenium   │
│            │ │            │ │ WebDriver  │ │ Gird       │
└────────────┘ └────────────┘ └────────────┘ └────────────┘
```

Selenium can be used to automate functional tests and can be integrated with automation test tools such as **Maven**, **Jenkins**, **& Docker** to achieve continuous testing.

It can also be integrated with tools such as **TestNG**, & **JUnit** for managing test cases and generating reports.

6.7 SAMPLE INPUT

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.Test;

public class GreatLearning

{

static WebDriver *driver*;

@Test(priority=0)

public void EdurekaProfile() **throws** InterruptedException

{

System.*setProperty*("webdriver.chrome.driver", "C:\\Users\\elcot\\Documents\\chromedriver_win32\\chromedriver.exe");

WebDriver driver=**new** ChromeDriver();

driver.get("https://www.mygreatlearning.com");

driver.findElement(By.*xpath*("//div[@class='nav-link__text']")).click();

driver.findElement(By.*id*("email_id")).sendKeys("rubysrinivas2002@gmail.com");

driver.findElement(By.*id*("password")).sendKeys("27202720");

```java
driver.findElement(By.id("recaptcha_log_in_button")).click();

driver.get("https://www.mygreatlearning.com/hire-talent");

JavascriptExecutor js2 = (JavascriptExecutor) driver;

//Scroll down till the bottom of the page

js2.executeScript("window.scrollBy(0,4150)");

driver.findElement(By.className("form-control")).sendKeys("Ruby");

driver.findElement(By.className("form-control")).sendKeys("Accenture");

driver.findElement(By.name("designation")).sendKeys("BCA");

driver.findElement(By.xpath("//input[@type='tel'][@data-intl-tel-input-id='0']")).sendKeys("6379563310");

driver.findElement(By.name("company_email")).sendKeys("Accenture@gmail.co");

driver.findElement(By.className("text-center")).click();


Thread.sleep(1000);

driver.quit();

}

}
```

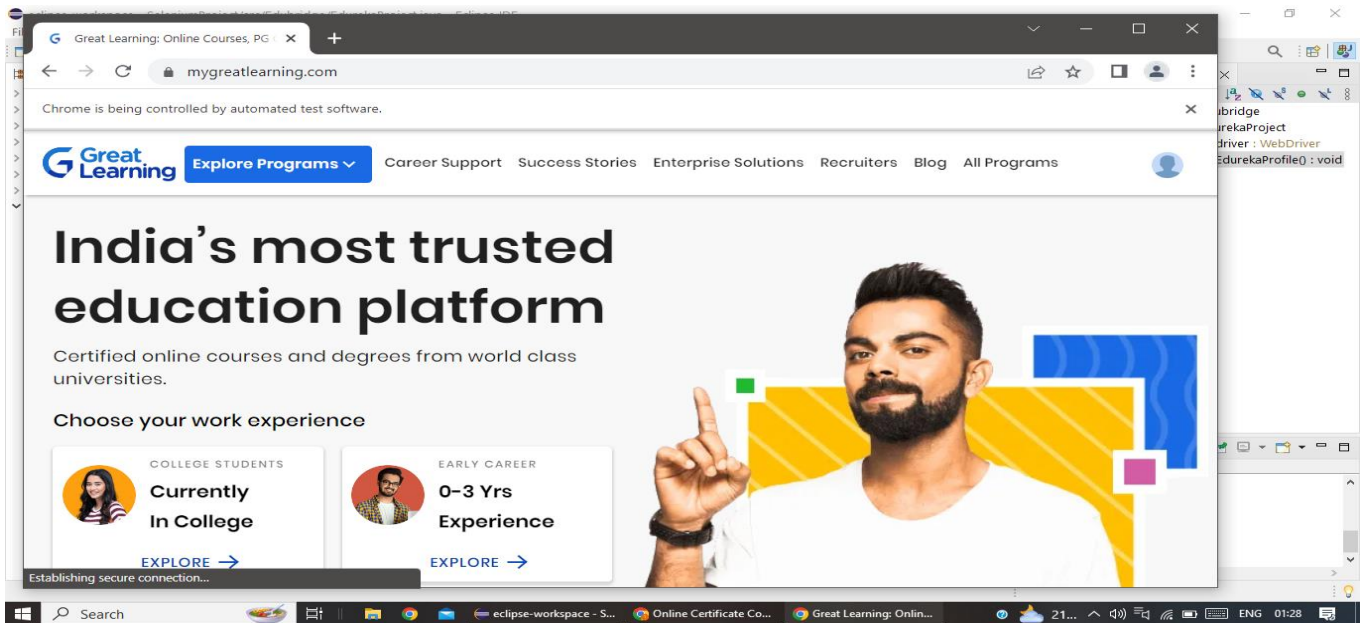## 6.8 OUTPUT

WEBSITE HOME PAGE
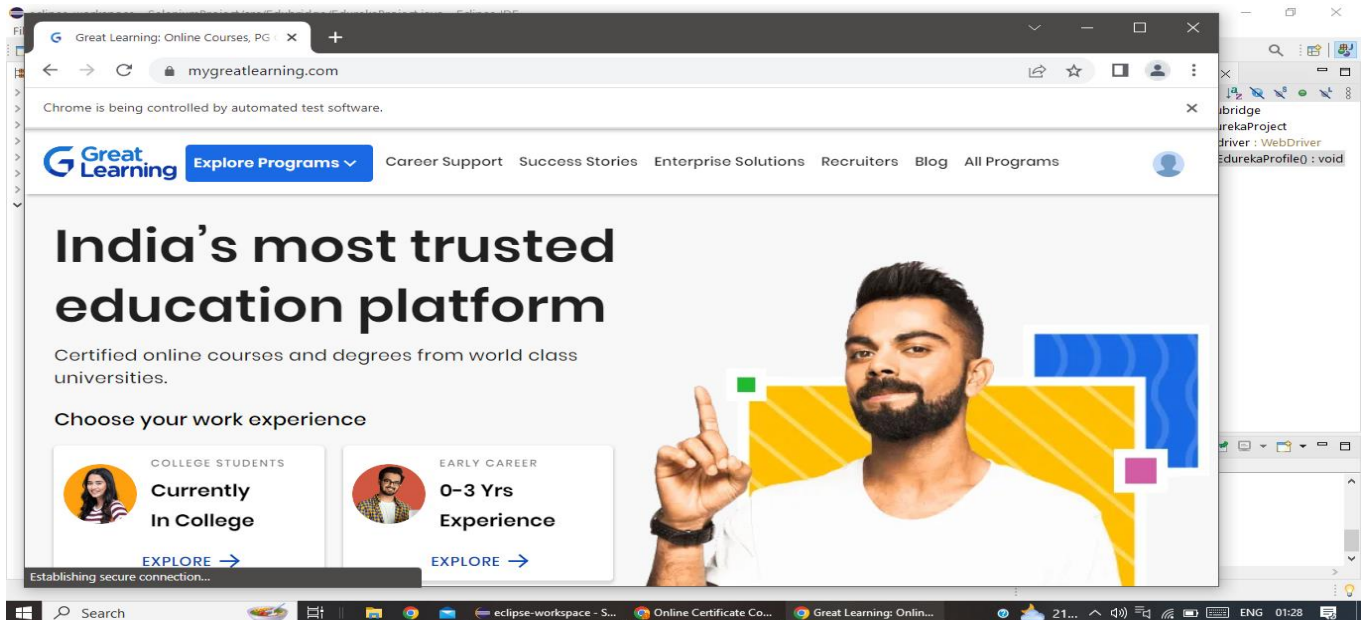
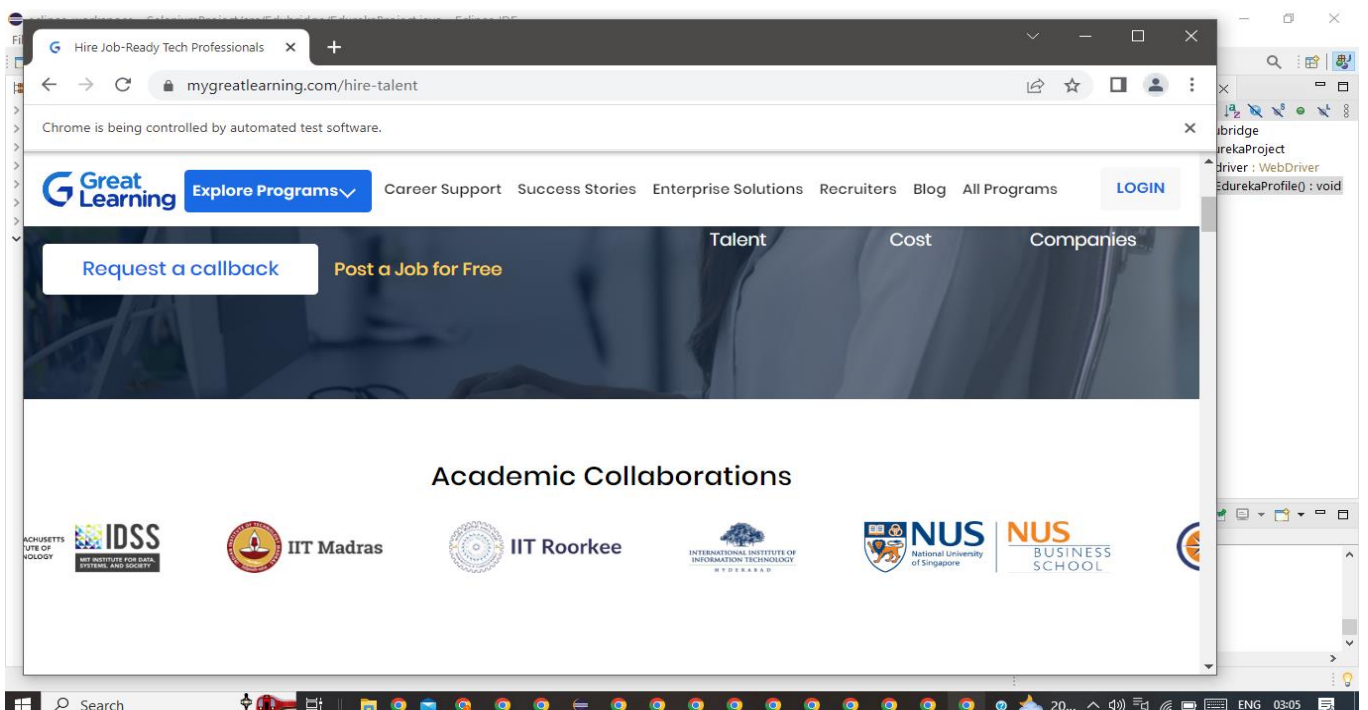The browses navigate to great learning website home page

LOGIN PAGE
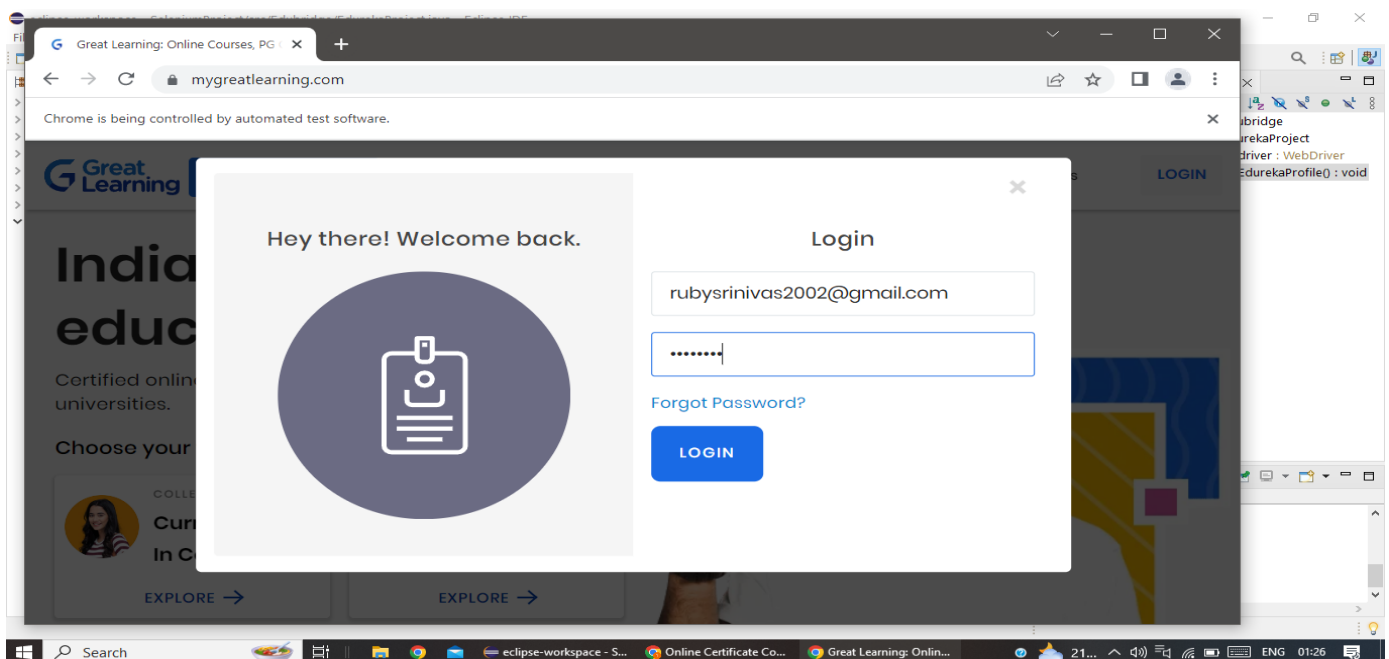
Next it clicks Login Option and enter the details like email id, password then press Login button and submitted the login form.

AGAIN HOME PAGE

After login process it again navigate to home page

RECRUITERS PAGE

In this the browser navigate to recruiters page and scrolls down to search further details.

CONTACT US PAGE

In this contact form it enter the details like name, Company name, designation, mobile number and company email id and press the submit button and close the testing.

CONCLUSION

CONCLUSION

Career bridge has all the basics modules and also it makes online system fully computerized which is very fast and efficient.

Normal in online system we use maximum manual application .it consumes lots of time and paper. there is always a distance between the system and end user.

Now-a-days everything is becoming computerized in order to reduce the distance between the system and the user and bring it to a close relationship as using paper and pens, this Career bridge has been developed.

The owner can enter into the system very easily. The system is totally a user-friendly and timesaving system .it is also cost effective. All the modules are designed in a way that a zone can understand the system very easily.