Government Polytechnic , Nashik

( An Autonomous Institute of Government of Maharashtra ) New building campus ,Samangaon road ,Nashik road



### PROJECT REPORT

“**CODEHUNT E-Learning**”

**FOR THE COURSE**

### THIRD YEAR DIPLOMA IN INFORMATION TECHNOLOGY

**SUBMITTED BY**

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### GUIDED BY

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**SUBMITTED TO**

**GOVERNMENT POLYTECHNIC, NASHIK**

### ACADEMIC YEAR 2021-2022

Government Polytechnic,Nashik

### ( An Autonomous Institute of Government of Maharashtra )



**CERTIFICATE**

This is to certify that, the project report on **“CodeHunt E-learning”** has been successfully completed by

Mr. Suraj Narayan Darade (195110) Mr. Vishal Pravin Patil (195146)

In fulfillment of requirement of Diploma in “Information Technology” from Government Polytechnic, Nashik during academic year 2021-2022. They have satisfactory completed project.

GUIDED BY HOD

( D. N. Bhoye ) ( N. S. Nikale )

PRINCIPAL (Mr. D. P. NATHE )

# ACKNOLEDGMENT

We feel great in submitting this Project Report on “CodeHunt E-Learning ”. We are thankful to the Department of Information Technology, Government Polytechnic, Nashik for providing us with the best of the facilities for completing our project.

A successful project is a result of good team work, which contains not only the people who put in their logic and handwork but also the people who guide them.

We are extremely grateful for the necessary information, with support provided by Mrs. D. N. Bhoye, for her timely suggestion and valuable guidance, for spending her precious time with us and help us by giving the very important details regarding the project. We would also like to thank for her constant encouragement and guidance to us.

Last but not least we would like to thank all our people who have helped us directly and indirectly in our project

**Submitted By:**

**Mr . Suraj Narayan Darade (195110) Mr. Vishal Pravin Patil (195146)**

**Abstract**

E-learning fulfil the thirst of knowledge and offers online content that can be delivered for the learner at anywhere, anytime and any age through a wide range of e-learning solution while compared with traditional learning system. It also provides the rapid access to specific knowledge and information related to Programming Languages & Problem Solution. With the rapid growth of voluminous information sources and the time constraint the learning methodology has changed. Learners obtain knowledge through e-Learning systems rather than manually teaching and learning. In this research paper proposes the e- learning management system with web services oriented frame work . This system supports the cross browser and fully integrated with different databases. This system focused around the several features like Learning new Programming Languages, Implementing those using Inbuilt Compilers/Interpreter, Quiz for each topic, Certification on completion of course & so many silent features and mainly focused on integrated platform needed for e-learning and managements.

**Key Words :**

E-Learning, Computer Languages, Java, Python, Compiler, Technologies, Video Tutorial, DST

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**Chapter 1 INTRODUCTION**

**INTRODUCTION**

# Problem Statement :-

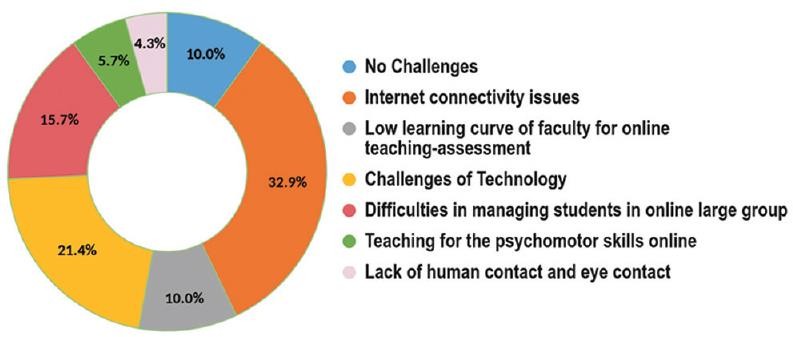
With the advent in technology and with the perpetual increase in the strength of the students and the number of Programming languages in the educational field, it is laborious to exchange the study materials between the students and the faculties.

The main objective of the our system is to help the students get over the traditional methods of learning and make them accustomed to the internet where the notes for their respective programming language are easily available. It provides an automation procedure of studying the notes online. The implementation of this project helps both the students and the teachers. The teachers can upload their notes on to the website by using their unique ID and the students can gain access to these notes by searching for the name of the topic under their respective section.

This project not only helps to facilitate easier access to notes for the students but also helps cutting down on expenditure for the universities as well.

This project is implemented on Web Based platform facilitate easier access on a popular medium.The project uses PHP to write scripts which provide the app its functionality. MySQL is used as the cloud storage where all the data is stored

F-Learning is an inexpensive, efficient and comfortable way for students to easily access notes and an easier alternative to study for exams.



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Student UI** |  | | | **Admin UI** |
|  | **DATA BASE** |  |
|  |  |

### Existing System :-

Existing E-Learning System consist of diversified teaching technique ie. Some systems are only providing Text based knowledge, some are proving only audio video teaching technique, while some are just providing certification or quiz based learning.

These crates conflict & little bit difficult to access the content which is familiar to student to learn new computational languages

Current system also provide only learning material for a learning purpose but, learning programming is implementing concept & executing it which is not fulfill by the current system.

Current system also does not allow to save user define notes in databse which can be accessed by the students.

### Proposed System :-

The System we are proposing consist of all of the things stakes together which can be accessible under on portal by students providing the latest, knowledge, technologies & practical knowledge using information provided by us in form of text, videos & quizzes, Certification exams.

Our System revolves around 2 major nodes Students & Admin. Student can Access the information store on database with the help of student portal & the information accessed by the student can be modified, Add or Delete with the help of Admin login from admin portal.

**Admin**

**Student**

**Student :** 1) Access available notes from Programming Languages Section

* + 1. Access Videos from Videos Section
    2. Store their own notes in Data Base from Video Section
    3. Perform Quiz for each topic available in Quiz Section
    4. Give Certification Exam from Certificate Exam Section
    5. Contact with Admin using Contact Us Section

**Admin :** 1) Delete User using Display User Table

1. Update, Delete, Add Programming Language & their Learning Topics from Manage Programming Languages Section
2. Update, Delete, Add Prog Language videos & their Links, Description from Manage Videos Section
3. Update, Delete, Add Prog Language Certificate Examination & its Questions, Answers from Certificate Section
4. Can see Students Response received from Contact Us Section

**Chapter 2 Literature Review**

**Literature Review**

* We have been gathering information about how to integrate all the modules together user needs to use and what requirements it will generate to do so. As we are thinking of developing a computer programming language learning website it helps in learning various programming languages to develop applications and websites .

### The E-Learning definition

E-learning is one of the educational outcomes that has surfaced from the development of ICT. Its general concept is essentially learning which involves the usage of any electronic device, from computers to mobilephones, and which might, or might not, involve the usage of the internet (Web sites+ other applications). Applications have been developed specifically for e-learning, such as Virtual Learning Environments (VLEs), which provide the user or the learner with numerous facilities like comfortable access to learning materials, communication with lecturers or trainers and the other peers.

The VLE provides flexible access to learning, as it can be accessed anywhere and anytime *(Adam & Healy,2000)*. Ruttenbur et al, who describe e-learning as "the use of networked technology that will make the revolution possible". Ruttenbur et al further argue that e-learning will play a critical role in changing the way we work and live. Ruttenbur et al (2000).The Joint Information Systems Committee (JISC) offered a parallel definition in 2003, defining e-learning as "learning facilitated and supported through using the information and communications technology (ICT)" (JISC, 2003).

many institutions have been attracted to e-learning systems and the e-learning market has grown continuously (Harun, 2008). In 2003, industry analysts situated the size of the e-learning market at 3 billion USD in the United States alone; the number grew to almost 60 billion USD by 20015, 253 billion USD in 2021.

This suggests that e-learning offers a wide range of opportunities that need exploring and thus the proposition is that e-learning can be defined through three broad domains:

* + 1. E-learning is a distance education method
    2. E-learning is transactions facility on the web
    3. E-learning is electronically facilitated learning

### The adoption of e-learning:

The progression of e-learning adoption is not simple operation; there are many positive factors that must be provided before :

* + - * The positive attitudes of the institution.
      * The perceived helpfulness in adopting this system.
      * The perceived effortlessness and the comfort of using the system.

Also, the e-learning adoption process may be considered a diffusion of innovation. Whereas, there are numerous other the models, which have been established to clarify and

explain , these models are designed especially to indicate in what way the new technology innovations are accepted and adopted. There is a similar opinion, which concludes that attitudes have a significant and an

essential direct influence on meaning and the goals to adopt e-learning, whereas attached to perceived helpfulness, benefits outcomes, ease of usage and the security of the system (Salmon, 2011).

### What is a Web Application ?

A web application is a computer program that utilizes web browsers and web technology to perform tasks over the Internet .Millions of businesses use the Internet as a cost-effective communications channel. It lets them exchange information with their target market and make fast, secure transactions. However, effective engagement is only possible when the business is able to capture and store all the necessary data, and have a means of processing this information and presenting the results to the user .Web applications use a combination of server-side scripts (PHP ,DJango ASP) to handle the storage and retrieval of the information, and client-side scripts (JavaScript and HTML) to present information to users. This allows users to interact with the company using online forms, content management systems, shopping carts and more. In addition, the applications allow employees to create documents, share information, collaborate on projects, and work on common documents regardless of location or device.

### How does a Web application work ?

Web applications are usually coded in browser-supported languages such as JavaScript and HTML as these languages rely on the browser to render the program executable. Some of the applications are dynamic, requiring server-side processing. Others are completely static with no processing required at the server.The web application requires a web server to manage requests from the client, an application server to perform the tasks requested, and, sometimes, a database to store the information.

#### Here's what a typical web application flow looks like:

* + - 1. User triggers a request to the web server over the Internet, either through a web browser or the application’s user interface
      2. Web server forwards this request to the appropriate web application server
      3. Web application server performs the requested task – such as querying the database or processing the data – then generates the results of the requested data
      4. Web application server sends results to the web server with the requested information or processed data
      5. Web server responds back to the client with the requested information that then appears on the user’s display

### Technologies & Framework (PHP & MySQL)

**2.2.1 What is PHP?**

* PHP is open source and free.PHP is that it’s a server side scripting language
* Most web hosting servers support PHP by default unlike other languages such as ASP that need IIS.
* PHP is a general-purpose scripting language geared toward web development & create dynamic websites and applications
* PHP file extension refers to the name of a file with a PHP script or source code that has a ". PHP" extension at the end of it
* PHP is regular updated to keep abreast with the latest technology trends.
* PHP has in built support for working hand in hand with MySQL



* + 1. PHP Features
* Performance :-

PHP script is executed much faster than those scripts which are written in other languages such as JSP and ASP. PHP uses its own memory, so the server workload and loading time is automatically reduced

* Open Source:

PHP source code and software are freely available on the web. You can develop all the versions of PHP according to your requirement without

paying any cost. All its components are free to download and use.

* Embedded:

PHP code can be easily embedded within HTML tags and script.

* Platform Independent:

PHP is available for WINDOWS, MAC, LINUX & UNIX operating system. A PHP application developed in one OS can be easily executed in other OS also.

* Database Support:

HP supports all the leading databases such as MySQL, SQLite, ODBC, etc.

* Web servers Support:

PHP is compatible with almost all local servers used today like Apache, Netscape, Microsoft IIS, etc.

* + 1. **What is MySQL?**
* MySQL, the most popular Open Source SQL database management system, is developed, distributed, and supported by Oracle Corporation.MySQL is a database management system.
* A database is a structured collection of data. To add, access, and process data stored in a computer database, you need a database management system such as MySQL.
* MySQL Server works in client/server or embedded systems.
* The MySQL Database Software is a client/server system that consists of a multi threaded SQL server that supports different back ends.



* + 1. MySQL Features:
* Open-Source:

MySQL is open-source, which means this software can be downloaded, used and modified by anyone. It is free-to-use and easy-to-understand.

* Quick and Reliable:

MySQL stores data efficiently in the memory ensuring that data is consistent, and not redundant. Hence, data access and manipulation using MySQL is quick.

* Scalable:

Scalability refers to the ability of systems to work easily with small amounts of data, large amounts of data, clusters of machines, and so on.

* Data Types:

It contains multiple data types such as integers, float (FLOAT), double (DOUBLE), character (CHAR), variable character (VARCHAR), text, blob, date, time, etc.

* Support for large databases:

It comes with support for large databases, which could contain about 40 to 50 million records, 150,000 to 200,000 tables and up to 5,000,000,000 rows.

* + 1. **What is BootStrap?**

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains HTML, CSS and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components



Features :-

* + - * Customizable bootstrap
      * Simple Integration
      * Responsive features
      * Browser compatibility
      * Extensive list of component
      * Java-script plugins

**Chapter 3**

**Software Requirement Specification**

**Software Requirement Specification**

### Minimum System Requirements: -

#### Hardware Requirements: PC

* + - System : Intel Core i3, Android 8.0 above
    - Hard Disk : 40 GB (PC), 18GB(Phone)
    - RAM : 2 GB of RAM.

#### Software Requirements: Smartphone

* + - Browser : Chrome, Safari, Edge
    - Drivers : Network Drivers.

:

|  |  |  |
| --- | --- | --- |
| Firefox | Mozilla Foundation | 98 |
| Chrome | Google | 99 |
| Opera | Opera Software | 83 |

(these are the latest versions of browsers testing performed on this versions )

* 1. **Assumptions and dependencies:**

We assume that the services provided by our website will work properly without failure. All the services will have a proper configuration with the web application and database to perform smoothly.

There are few dependencies of the system:

1. The internet should be available on the device that the user is using to access the website in order for it to work properly.
2. Each user must have a unique identifier and password.
3. For the system to work, the server must be up and operating.
4. To access any record, users must first log in to the system.

### External Interface Requirements:

* + 1. **Hardware Interfaces:**
       1. Mobile, Laptop or Tablet, etc.
       2. Internet for the devices to access the services present on website.

### Software Interfaces:

There are few software interfaces to access website:

* + - 1. Xampp for PHP and MySQL.

### Security Requirements:

* + - 1. To make the system secure we are providing authentication and authorization.
      2. We are providing the username and password for both i.e. Student and Admin.

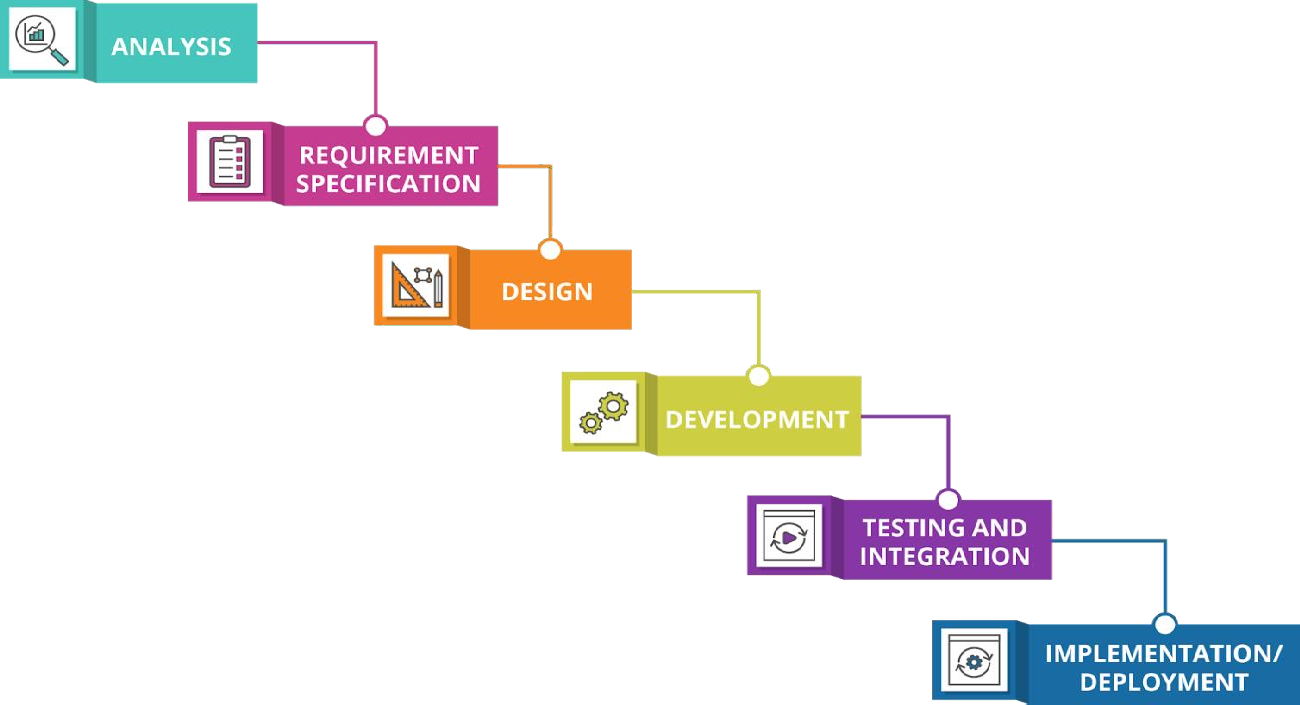
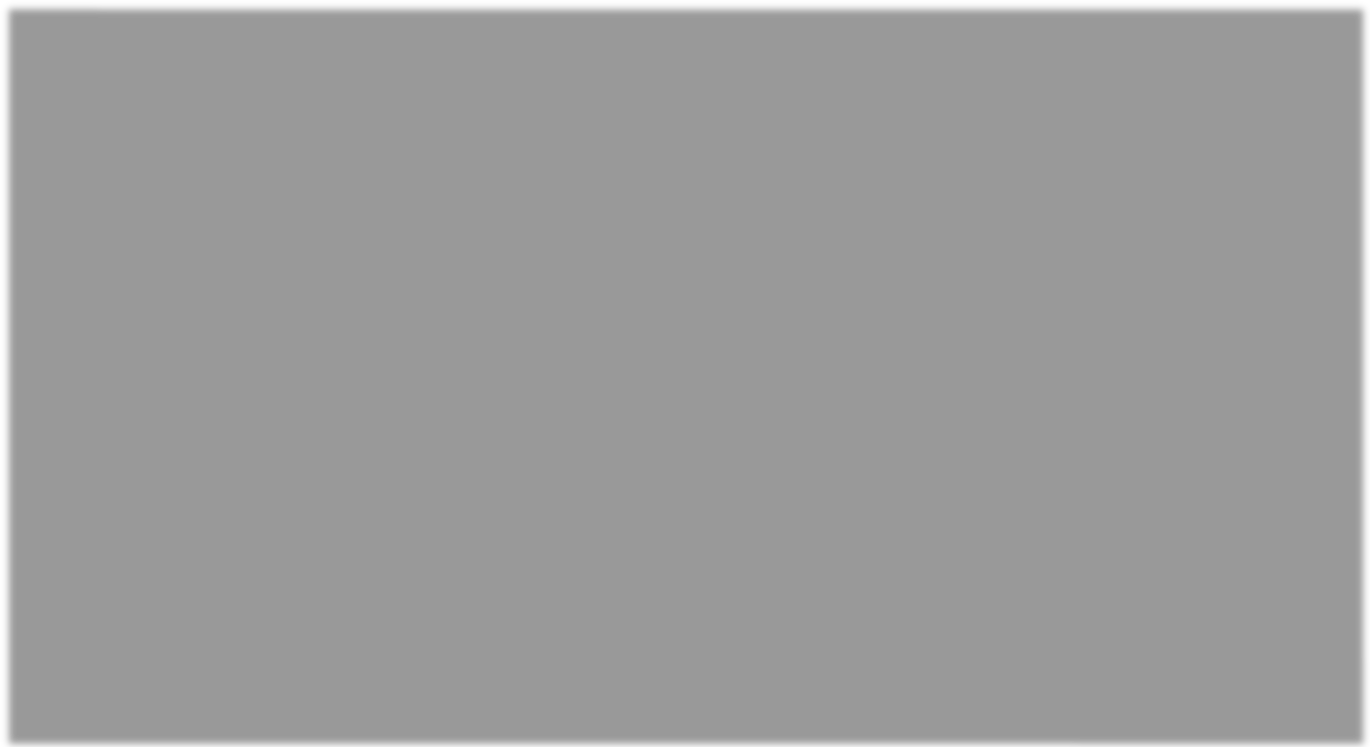
**Chapter 4 Design**

**Design**

# Analysis Model :-

1. Waterfall Model :-

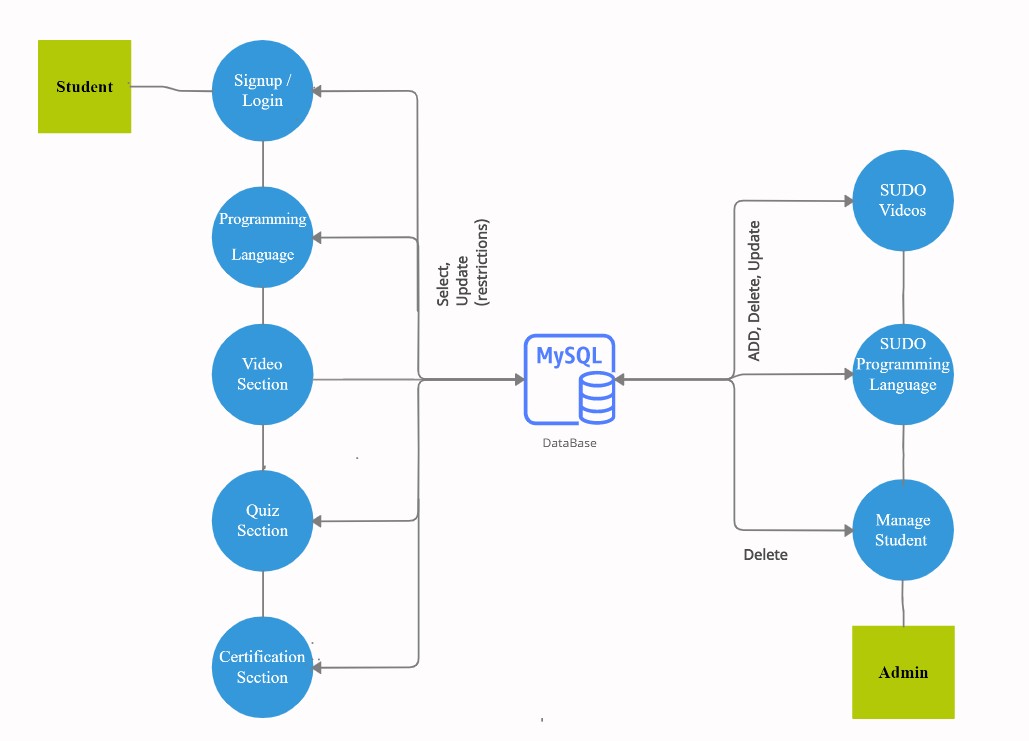
The waterfall model is a sequential design process, often used in software development processes, in which progress is seen as flowing steadily downwards (like a waterfall) through the phases of Conception, Initiation, Analysis, Design, Construction, Testing, Production/Implementation, and Maintenance.The waterfall development model originates in the manufacturing and construction industries: highly structured physical environments in which after-the-fact changes are prohibitively costly, if not impossible.



#### Sequential phases in Waterfall model are −

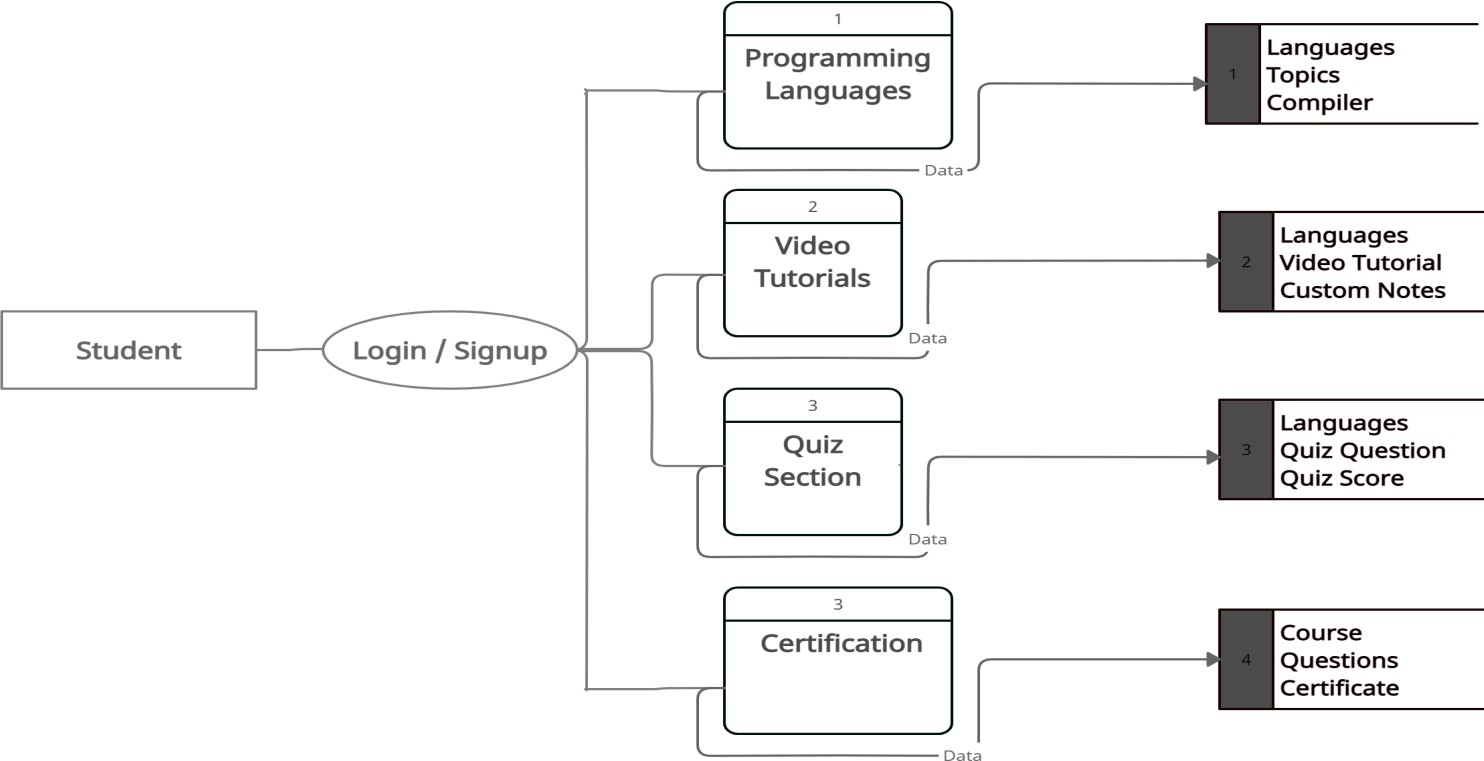
* + **Requirement Gathering and analysis** − All possible requirements of the system to be developed are captured in this phase and documented in a requirement specification document.
  + **System Design** − The requirement specifications from first phase are studied in this phase and the system design is prepared. This system design helps in specifying hardware and system requirements and helps in defining the overall system architecture.
  + **Implementation** − With inputs from the system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality, which is referred to as Unit Testing.
  + **Integration and Testing** − All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.
  + **Deployment of system** − Once the functional and non-functional testing is done; the product is deployed in the customer environment or released into the market.
  + **Maintenance** − There are some issues which come up in the client environment. To fix those issues, patches are released. Also to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.
  1. **Data Flow Diagram (DFD) :-**

#### DFD 1 :-

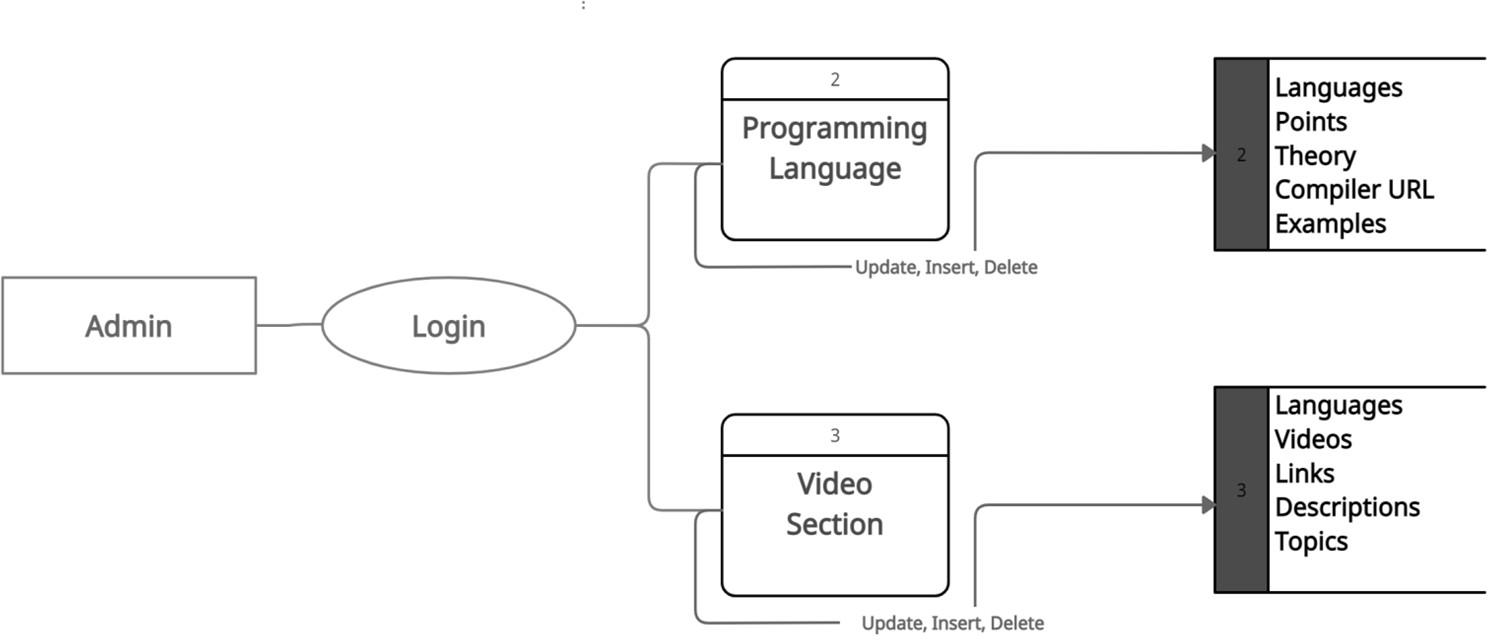


* + 1. **DFD 2 :-**

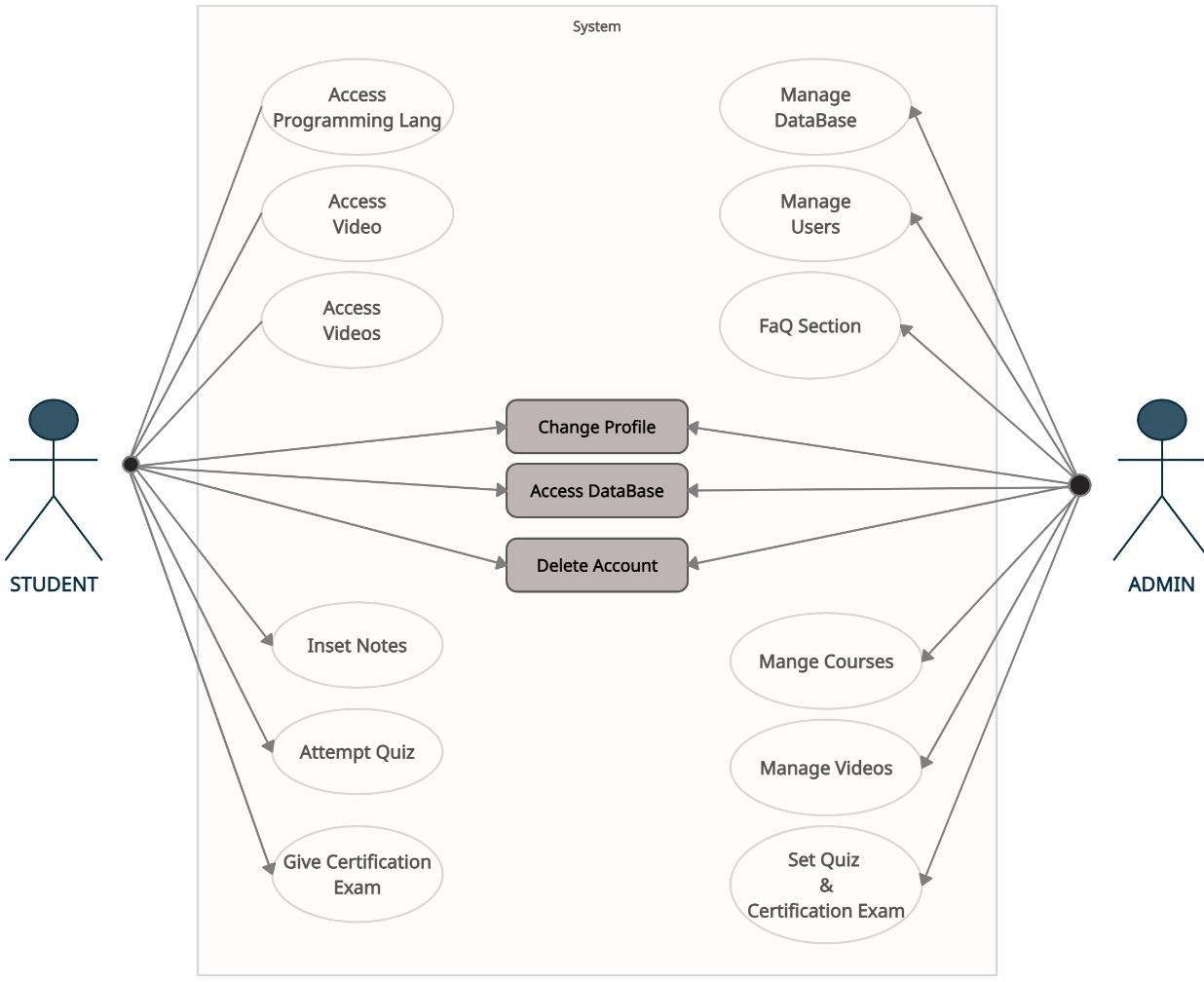
#### Student



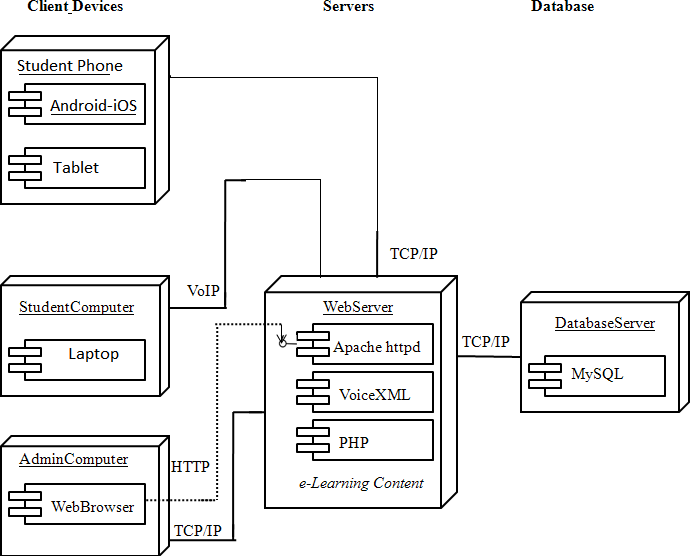
* + - * **Admin**



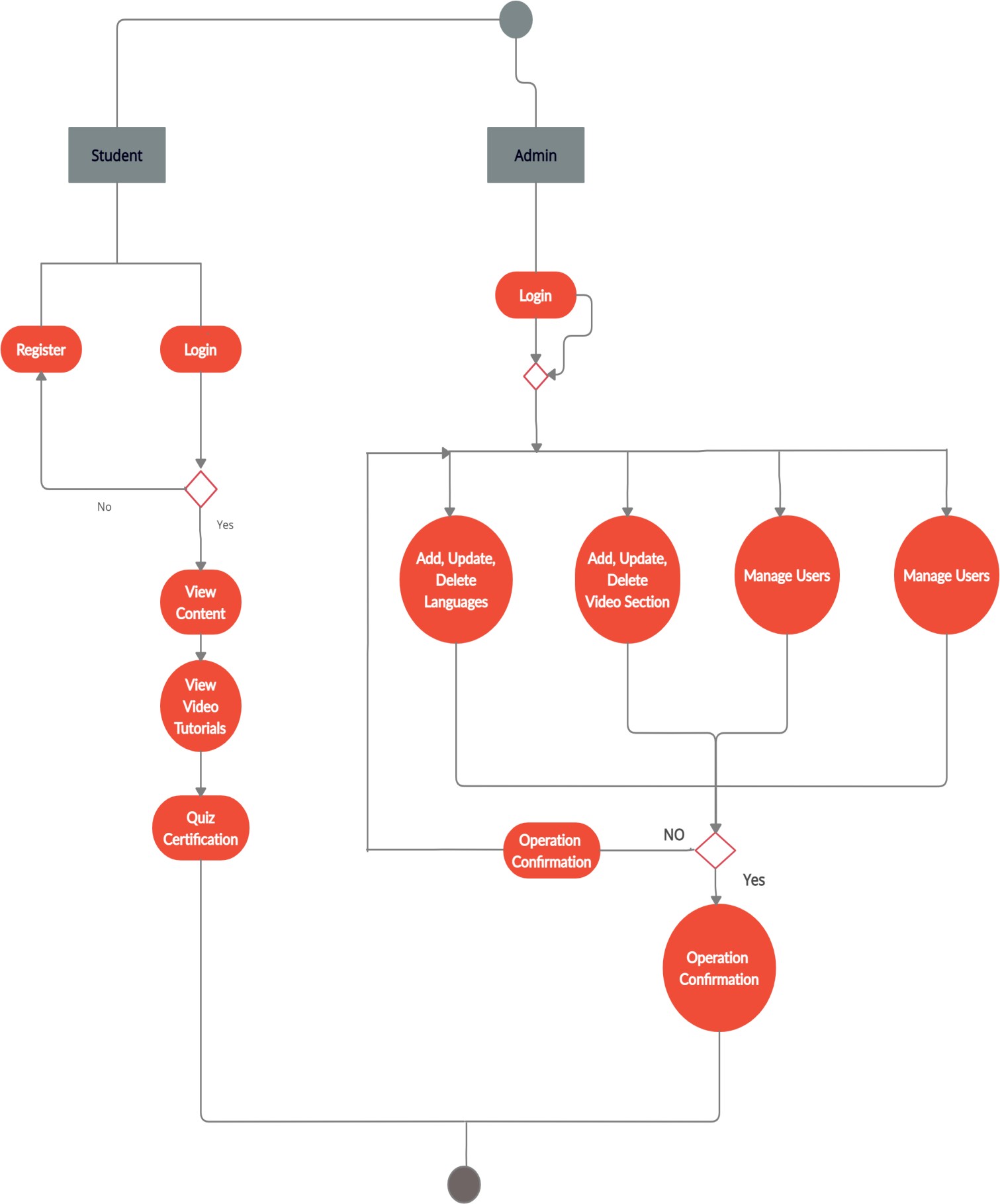
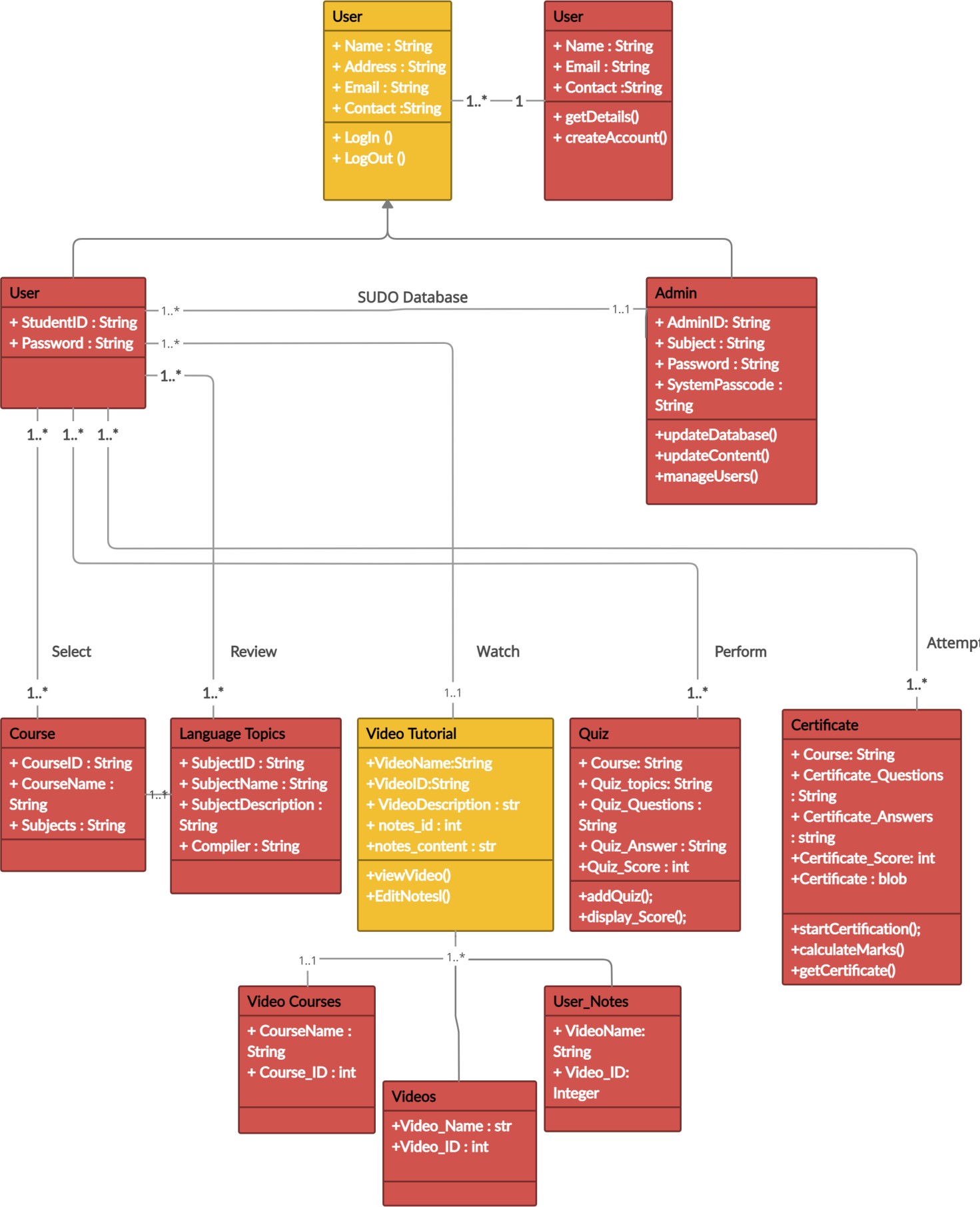
### Use Case Diagram :-



* 1. **Deployment Diagram :-**



# Class Diagram :-



* 1. **Activity Diagram :-**

**Start**

**Stop**

* 1. **Project Plan :-**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date**  **Phase** | **28-12-2021**  **to**  **20-1-2022** | **21-1-2022**  **to**  **2-2-2022** | **3-2-2022**  **to**  **10-4-2022** | **11-4-2022**  **to**  **26-4-2022** | **27-4-2022**  **to**  **6-5-2022** |
| Phase 1 |  |  |  |  |  |
| Phase 2 |  |  |  |  |  |
| Phase 3 |  |  |  |  |  |
| Phase 4 |  |  |  |  |  |
| Phase 5 |  |  |  |  |  |

**Chapter 5 Implementation**

**Implementation**

### Index.php

<?php session\_start();

if (!isset($\_SESSION['username']))

{

header('location:login.php'); # code...

}

?>

<!DOCTYPE html>

<html>

<head>

<link href="https://fonts.googleapis.com/css?family=Aleo" rel="stylesheet">

<link href="https://fonts.googleapis.com/css?family=Source+Sans+Pro" rel="stylesheet">

<title>CodeHunt</title>

<! magnific popup css file for work section -->

<link rel="stylesheet" type="text/css" href="css/magnific-popup.css">

<!----owlcarousel css file for our team section -->

<link rel="stylesheet" type="text/css" href="css/owl.carousel.min.css">

<link rel="stylesheet" type="text/css" href="css/owl.theme.default.min.css">

<!----Linking google fonts-->

<link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet">

<!----font-awsome start-->

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font- awesome/4.7.0/css/font-awesome.min.css">

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

<!----favicon setting-->

<link rel="shortcut icon" type="text/css" href="img/logo.png">

<!-- Latest compiled and minified CSS -->

<link rel="stylesheet"

href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">

<!-- jQuery library -->

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

<! magnific popup js file for work section -->

<script type="text/javascript" src="js/jquery.magnific-popup.min.js"></script>

<!----owlcarousel js file for our team section -->

<script type="text/javascript" src="js/owl.carousel.min.js"></script>

<script type="text/javascript" src="js/owl.carousel.js"></script>

<!-- Latest compiled JavaScript -->

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js">

</script>

</head>

<br><br>

<div class="container-fluid servicebody" id="myservice\_section">

<div class="service-are" id="service">

<div class="row">

<div class="col-xs-12">

<div class="section-title text-center">

<h2><b>SERVICES</b></h2>

<p>

Services provided by us ! <br>Why to wait? Get started today !!

</div>

</div>

</div>

<div class="row">

<div class="col-md-4 col-sm-6 col-xs-12">

<div class="service-wrap text-center">

<div class="service-icon">

<i class="fa fa-leaf"></i>

</div>

<h3><a href="programmingdemo.php">PROGRAMMING</a></h3>

<p>

Here you will find all the tutorials related to programming languages like JAVA,PYTHON,ANDROID etc

</p>

</div>

</div>

<div class="col-md-4 col-sm-6 col-xs-12">

<div class="service-wrap text-center">

<div class="service-icon">

<i class="fa fa-laptop"></i>

</div>

<h3><a href="video tutorials\java\display\_video\_courses.php"> VIDEO TUTORIALS</a></h3>

<p>

Here you will find all the videos tutorials related to programming languages like JAVA,PYTHON,ANDROID etc

</p>

</div>

</div>

<div class="col-md-4 col-sm-6 col-xs-12">

<div class="service-wrap text-center">

<div class="service-icon">

<i class="fa fa-question"></i>

</div>

<h3><a href="quizehome.php">LANGUAGE TOPICS QUIZ</a></h3>

<p>

Complete all the topics quiz of particular language to appear for certificafe exam

</p>

</div> </div>

<div class="col-md-6 col-sm-6 col-xs-12 ">

<div class="service-wrap text-center">

<div class="service-icon">

<i class="fa fa-book"></i>

</div>

<h3><a href="mynotes/mynotes.php">MY NOTES</a></h3> exercise/exercise.php

<p>

Here you will find all notes of particular watched video of programming languages like JAVA,PYTHON,ANDROID etc

</p>

</div>

</div>

<div class="col-md-6 col-sm-6 col-xs-12 ">

<div class="service-wrap text-center">

<div class="service-icon">

<i class="fa fa-pencil"></i>

</div>

<h3><a href="online\_quize/quizhome.php">CERTIFICATE</a></h3> exercise/exercise.php

<p>

Here you will find problem programs for practice and their implementation also which will improve your coding skill

</p>

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

<div class="backfaq">

<div class="containerfaq">

<div class="row">

<div class="col-md-7">

<div class="panel-group" id="accordian">

<?php

?>

$con=mysqli\_connect('localhost','root'); if (!$con) {

die('connection failed'.mysqli\_connect\_error());

}

mysqli\_select\_db($con,'projectdatabase');

$sql="select \* from faq";

$result=mysqli\_query($con,$sql);

while ($row=mysqli\_fetch\_array($result))

{

<div class="panel panel-default">

<div class="panel-heading" id="headingOne">

<h4 class="panel-title">

<a href="#<?php echo $row['id']; ?>" data-toggle="collapse"

class="collapse" data-parent="#accordian"><?php echo $row['faq\_title']; ?></a>

</h4>

</div>

<div id="<?php echo $row['id']; ?>" class="panel-collapse collapse " aria-labelledby="headingOne">

<div class="panel-body">

<p> <?php echo $row['faq\_description'> </p>

</div> </div></div> <?php } ?>

<script type="text/javascript">

var preloader=document.getElementById('loading'); function myfunction()

{

preloader.style.display='none';

}

function addButton() {

var body=document.getElementsByTagName('body')[0]; var myfaq1=document.getElementById('myfaq');

var btn=document.createElement('button'); btn.innerHTML='sunil'; myfaq1.appendChild(btn); body.appendChild(myfaq);

}

</script>

### Java\_Programming

<?php

session\_start();

?>

<div class="sidemenu" id="sidebarleftmenu">

<ul class="sidemenulist">

<li style="background-color :red; width: 252px;"><a>Home</a></li>

<?php

$con=mysqli\_connect('localhost','root'); mysqli\_select\_db($con,'projectdatabase');

$course\_name=$\_GET['course\_name'];

//$\_GET['course\_name'];

// unset($\_GET['course\_name']);

$q="select \* from courses where course\_name='$course\_name'";

$result=mysqli\_query($con,$q);

while ($res=mysqli\_fetch\_array($result))

{

?>

<form action="fetch\_main\_content.php" method="POST">

<input type="hidden" name="txt1" value="<?php echo $res['id'] ?>">

<button style="background-color: transparent;border: none;text-align:left;color: white;"><li style="width: 250px;"><?php echo $res['topic\_name']; ?></li></button>

</form>

<?php } ?>

</ul> </div></dic>

<div id="mainpagecontent" class="shadow">

</br>

<center><h1 style="color:Red">Welcome To <?php echo $\_GET['course\_name'] ?> Tutorial</h1><center>

</div>

<div id="mainpagecontent" class="shadow">

<div class="content">

<p>

<?php

if (isset($\_SESSION['xyz'])) { echo $\_SESSION['xyz']; }

?>

</p> </div> </div>

<div id="mainpagecontent2" class="shadow">

<div class="sub2">

<div class="sub3">

<?php

$con=mysqli\_connect('localhost','root'); mysqli\_select\_db($con,'projectdatabase');

$course\_name=$\_GET['course\_name'];

$q="select url from courses where course\_name='$course\_name'";

$result=mysqli\_query($con,$q);

$res=mysqli\_fetch\_array($result);

?>

<iframe id="myframe" src="<?php echo $res['url'] ?>" height="760px" width="690px" scrolling="no" frameBorder="0"></iframe>

<?php ?>

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

<script type="text/javascript">

var li=document.getElementsByTagName('li')[0].style="color:red";

</script>

### Fetch\_main\_content.php

<?php session\_start();

$con=mysqli\_connect('localhost','root'); mysqli\_select\_db($con,'projectdatabase');

$id=$\_POST['txt1'];

$q="select \* from courses where id=$id";

$result=mysqli\_query($con,$q);

$res=mysqli\_fetch\_array($result);

?>

<div class="card col-md-6">

<?php $\_SESSION['xyz']=$res['description']; header("location:java\_programming.php?course\_name=".$res['course\_name']); ?>

</div>

<?php ?>

* **Display\_video\_course.php**

<?php

include 'conn.inc.php';

include "../../admin/includes/navbar1.php";

?>

<br><br><br>

<div class="container-fluid">

<div class="row">

<?php

$sql="select \* from video\_info";

$result=mysqli\_query($con,$sql);

while ($row=mysqli\_fetch\_array($result))

{

?>

<div class="col-md-4">

<div class="card shadow" style="width: 22rem; height: 15rem; background: #333">

<div class="inner">

<img class="card-img-top " style="height: 15rem;" alt="Card image cap">

src=<?php echo $row['image']; ?>

</div>

<div class="card-body text-center shadow" style="border: 3px solid white ">

<a href="display\_video\_list.php?course\_name=<?php echo $row['course\_name']; ?>" class="btn btn-primary">Watch Videos</a>

</div> </div><br><br><br><br><br><br><br><br><br>

</div>

<?php } ?>

</div> </div>

<?php

$sql="select \* from video\_info";

$result=mysqli\_query($con,$sql);

while ($row=mysqli\_fetch\_array($result))

{

?> <button > <a ><?php echo $row['course\_name']; ?></a></button><?php

}

<footer style="margin-top: -100px;">

<?php

include "../../admin/includes/footer.php";

?>

</footer>

### Display\_video\_list.php

<?php session\_start();

include 'conn.inc.php';

include "../../admin/includes/navbar1.php";

?>

<body>

<br><br><br>

<div class="container-fluid position-relative">

<center style="height: 50px; "><p class="text-black h3" style="color :black" >Watch Free

<?php echo

$\_GET['course\_name']; ?> Video Tutorial</p></center><br><br>

<div class="row">

<?php

$username=$\_SESSION['username'];

$course\_name=$\_GET['course\_name'];

$q="select \* from videos where course\_name='$course\_name' AND username='$username'";

//echo $course\_name;

$query=mysqli\_query($con,$q);

while ($row=mysqli\_fetch\_array($query))

{

?>

<div class="col-md-3">

<div class="card shadow mycard" style="width: 18rem; height: 7rem;">

<div class="inner">

<img class="card-img-top " style="height: 11rem;" src=../../uploading/thumbnail/<?php echo

$row['video\_image']; ?> alt="Card image cap">

</div>

<div class="card-body shadow" style="background-color: #f1f1f1;">

<!-- <h5 class="card-title"><?php echo $row['course\_name']; ?></h5> -->

<p class="card-text"><?php echo $row['video\_name']; ?></p>

<a href="java\_videos.php?video\_id=<?php echo

$row['video\_id'] ?>&course\_name=<?php echo $row['course\_name'] ?>" class="btn btn- primary border-0 ">Watch Video</a>

</div>

</div><br><br><br><br><br><br><br><br><br> </div>

<?php } ?>

</div>

</div>

### Java\_videos.php

<?php session\_start();

include 'conn.inc.php'; require 'comments.inc.php';

include "../../admin/includes/navbar1.php";

if (!isset($\_SESSION['username'])) { header('location:../../login.php');

}

date\_default\_timezone\_set('Asia/Kolkata');

?>

<body id="mybody" class="bg-#F5FFFA">

<form method="post">

<div class="notepad">

<textarea name="notes" rows=500;>

<?php

$con=mysqli\_connect('localhost','root'); mysqli\_select\_db($con,'projectdatabase');

$username=$\_SESSION['username'];

$\_SESSION['vid']=$\_GET['video\_id'];

$video\_id=$\_GET['video\_id'];

$sql1="select Notes from videos where video\_id='$video\_id' AND username='$username'";

$result=mysqli\_query($con,$sql1); while ($res=mysqli\_fetch\_array($result))

{ echo html\_entity\_decode($res['Notes'],ENT\_QUOTES) }

?>

</textarea>

</div>

<script src="ckeditor/ckeditor.js"></script>

<script> CKEDITOR.replace('notes');

</script>

<?php

$con=mysqli\_connect('localhost','root'); mysqli\_select\_db($con,'projectdatabase');

$\_SESSION['vid']=$\_GET['video\_id'];

$video\_id=$\_GET['video\_id'];

$username1 = $\_SESSION['username']; if(isset ($\_REQUEST["submit"]))

{

$var=$\_REQUEST['notes'];

$\_SESSION['vid']=$\_GET['video\_id'];

$video\_id=$\_GET['video\_id'];

$sql2="update videos set Notes='$var' where video\_id='$video\_id' AND username='$username1' ";

mysqli\_query($con,$sql2);

} ?>

<input type="submit" name="submit" value="Save Notes" style="position:absolute;margin-left:1445px;margin-top:715px;padding: 1px 6px;">

<div class="container-fluid">

<div class="row">

<section class="col-md-7 mt-4">

<iframe style="border:1px #999 solid; margin-left: 15px;" width="760" height="450"

<?php

$\_SESSION['vid']=$\_GET['video\_id'];

$video\_id=$\_GET['video\_id'];

$sql="select \* from videos where video\_id='$video\_id'";

$result=mysqli\_query($con,$sql); while ($row=mysqli\_fetch\_array($result))

{ ?> src=<?php echo $row['video\_path']; } ?>

</iframe>

<div class="next-video" style="">

<a href="java\_videos.php">Next Tutorial...</a>

</div>

<br><br>

<div>

<div class="col-md-8 float-left ml- -1 bg-#F5FFFA mt-4" style="" id="courlis">

<table class="table table-hover mt-3 bg- #F5FFFA">

<tbody style="">

<div class="card-header text-center bg-#F5FFFA"><h5>Popular videos</h5></div>

<?php

$course\_name=$\_GET['course\_name'];

$sql="select \* from videos where course\_name='$course\_name' AND username='admin' LIMIT 4";

$result=mysqli\_query($con,$sql);

while (($row=mysqli\_fetch\_array($result)))

{ ?>

<td><a href=""><img src=../../uploadimg/thumbnail/<?php echo

$row['video\_image']; ?> ddheight="100" width="150"></a></td>

<td><b><?php echo $row['video\_name']; ?></b></td>

<?php } ?>

</tbody> </table> </div></div></div>

</div>

### Mainquiz.php

<?php

session\_start();

?>

<body>

<div class="sidemenu" id="sidebarleftmenu">

<ul class="sidemenulist">

<?php

$con=mysqli\_connect('localhost','root'); mysqli\_select\_db($con,'projectdatabase');

?>

<ul>

style="width:

<button style="background-color: transparent;border: none;text-align:left;color: white;"><li

color:red;">JAVA</li></button>

250px;

color:black;

font-size:20px;

background-

style="width:

<button style="background-color: transparent;border: none;text-align:left;color: white;"><li

color:red;">JAVA2</li></button>

250px;

color:black;

font-size:20px;

background-

</ul> </div> <div>

<iframe src="instruction.html" class="frame" id="frame" name="frame" height="100px" width="200px"> </iframe> </div>

<script type="text/javascript">

var li=document.getElementsByTagName('li')[0].style="color:red";

</script>

* **Check\_quiz\_value.php**

<?php session\_start();

$con=mysqli\_connect('localhost','root'); mysqli\_select\_db($con,'projectdatabase');

$score = print\_r($\_GET['qid'],true);

$username= $\_SESSION['username'];

$q="select quiz\_total\_p,quiz\_id\_p from login where username='$username'";

$query=mysqli\_query($con,$q);

if ($result1 = $con->query($q)) {

while ($row1 = $result1->fetch\_object()) {

$score\_11 = $row1->quiz\_id\_p;

$score\_12 = $row1->quiz\_total\_p;

}

$result1->close();

}

if($score == 0)

{

if ($score\_11 == 0 && $score\_12 >= 0) {

header("Location: http://localhost:8080/Project1/programming/java/qq/python\_1.php");

}

elseif($score\_11 >= 0) {

echo '<script>alert("Sorry, You have completed this quiz... Proceed for further quiz!!!")</script>';

}

else {

echo '<script>alert("Please, Attempt Previous Quiz First..!!!")</script>';

} }

?>

### Insertscore.php

<?php session\_start();

?>

<?php

$score = print\_r($\_GET['score'],true);

$score1 = $\_SESSION['username'];

$con=mysqli\_connect('localhost','root'); mysqli\_select\_db($con,'projectdatabase');

if($score >=3)

{

$q="select quiz\_total from login where username ='$score1'";

$value = mysqli\_query($con,$q); if ($result = $con->query($q))

{

while ($row = $result->fetch\_object()) {

$score\_1 = $row->quiz\_total;

}

$result->close();

}

$val= (int)($score\_1) + (int)($score); echo $val;

$q1="update login set quiz\_total=$val where username ='$score1'";

$query=mysqli\_query($con,$q1);

$q3="select quiz\_id from login where username ='Vishal'";

$value1 = mysqli\_query($con,$q3); if ($result1 = $con->query($q3)) {

while ($row1 = $result1->fetch\_object()) {

$score\_11 = $row1->quiz\_id;

}

$result1->close();

}

$num=1;

$val1= ($score\_11) +$num; echo $val1;

$q2="update login set quiz\_id='$val1' where username ='$score1'";

$query=mysqli\_query($con,$q2); }

Else { echo '<script>alert("Less Score")</script>'; }

?>

* **Certificate\_validation.php**

<script type="text/javascript"> if(2 > 1) {

document.getElementById("certificate").onclick = function () { location.href = "certificate.php?sub1='<?php $\_REQUEST['sub'] ?>'";

} } ;

function submitQuiz() { console.log('submitted'); function answerScore (qName)

{

var radiosNo = document.getElementsByName(qName); for (var i = 0, length = radiosNo.length; i < length; i++) {

if (radiosNo[i].checked)

{ var answerValue = Number(radiosNo[i].value); }

}

if (isNaN(answerValue))

{ answerValue = 0; } return answerValue; }

var calcScore = (answerScore('q1') + answerScore('q2') + answerScore('q3') + answerScore('q4'));

console.log("CalcScore: " + calcScore); // it works! function correctAnswer (correctStringNo, qNumber)

{

console.log("qNumber: " + qNumber); // logs 1,2,3,4 after called below

return ("The correct answer for question #" + qNumber + ": &nbsp;<strong>" + (document.getElementById(correctStringNo).innerHTML) + "</strong>");

}

if (answerScore('q1') === 0) {

document.getElementById('correctAnswer1').innerHTML = correctAnswer('correctString1', 1);

}

if (answerScore('q2') === 0) {

document.getElementById('correctAnswer2').innerHTML = correctAnswer('correctString2', 2);

}

if (answerScore('q3') === 0) {

document.getElementById('correctAnswer3').innerHTML = correctAnswer('correctString3', 3); }

if (answerScore('q4') === 0) {

document.getElementById('correctAnswer4').innerHTML =

correctAnswer('correctString4', 4);

}

if (answerScore('q5') === 0) {

document.getElementById('correctAnswer5').innerHTML = correctAnswer('correctString5', 5);

}

var questionCountArray = document.getElementsByClassName('question');

var questionCounter = 0;

for (var i = 0, length = questionCountArray.length; i < length; i++)

{ questionCounter++; }

var showScore = "Your Score: " + calcScore +"/" + questionCounter; if (calcScore === questionCounter)

{ showScore = showScore + "&nbsp; <strong>Perfect Score!</strong>" }; document.getElementById('userScore').innerHTML = showScore;

if(showScore > 1)

{ location.href = "certificate.php"; } }

$(document).ready(function() {

$('#submitButton').click(function() {

$(this).addClass('hide');

}); });

</script>

### Quiz\_home.php

<div class="col-sm-6 mt-3">

<div class="form-group">

<h1 style="color:Red;"><b><u>Select Course</u></b></h1>

<?php

$profile->show\_courses(); class

foreach ($profile->cat\_data as $key => $course)

{

//calling show\_courses() method of users

?>

<option value="<?php echo $course['id'] ;?>"><?php $samp=$course['cat\_name']; echo "1:

$samp" ?></option>

<a href='question\_show.php?samp=<?php echo $samp; ?>'>Start Exam</a>

<?php

}

?>

</div**>**

* **Admin\_main.php**

<?php include("classes/admin.php");

$admin=new admin;

$userd=$admin->show\_users();

?>

<div class=" col-md-10">

<div class="card-header bg-white" style="margin-right: -45px; height: 60px; " >

<b>DASHBOARD</b>

<button type="btn btn-outline-success" class="btn btn-primary float-right" style="height: 40px;margin-left:70px"><a href="../login.php" class="text-white ">Logout</a> </button>

</div>

<div class="row">

<div class="col-md-4 mt-3 ml-5">

<div class="card shadow " style="width: 18rem; box-shadow: 2px 2px 2px 2px #e1dbdb; border-radius:0px; border-top-left-radius: 0px; cursor:pointer;">

<img class="myimg" src="../uploading/file3.png" alt="Card" width="288"

height="200">

<div class="card-body">

<p class="card-text"><a href="manage\_courses/manage\_courses.php" style="text- decoration: none;margin-left:20px">MANAGE YOUR COURSE <i class="fa fa-book ml- 3"></i></a></p>

</div>

</div> </div>

<div class="col-md-4 mt-3">

<div class="card shadow" style="width: 18rem;cursor:pointer; box-shadow:2px 2px

2px 2px

#e1dbdb; border-radius:0px; border-top-left-radius: 0px;">

<img class="" src="../uploading/file4.png" alt="Card" width="288" height="200">

<div class="card-body">

<p class="card-text "><a href="manage\_videos/manage\_videos.php" style="text- decoration: none;

margin-left:21px;color: orangered">MANAGE YOUR VIDEOS</a><i class="fa fa-video- camera ml-3" style="color: orangered"></i></p>

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

<div class="col-sm-3 mt-3">

<table class="table table-borderless">

<tbody style="">

<?php

foreach ($userd as $userdata) {

?>

<tr >

<th scope="row"><?php echo $userdata['id']; ?></th>

<td ><?php echo $userdata['username']; ?></td>

<td><?php echo $userdata['password']; ?></td>

<td><?php echo $userdata['email']; ?></td>

<td><?php echo $userdata['phonenumber']; ?></td>

<td> <a href="delete\_user.php?id=<?php echo $userdata['id'];?>">Remove</a></td>

</tr>

<?php } ?>

</tbody> </div> </div>

?>

### Manage\_course.php

<?php session\_start();

$con=mysqli\_connect('localhost','root'); mysqli\_select\_db($con,'projectdatabase');

//add course

if (isset($\_POST['btn\_add'])) {

$languagename=$\_POST['course\_name'];

$languageimg=$\_FILES['course\_image'];

$languagedesc=$\_POST['course\_desc'];

$filename=$languageimg['name']; print\_r($languageimg);

$fileerror=$languageimg['error'];

$filetmp=$languageimg['tmp\_name'];

$fileext=explode('.', $filename);

$filecheck=strtolower(end($fileext));

$fileextstored= array('png','jpg','jpeg' );

if (in\_array($filecheck,$fileextstored)) {

$destinationfile='uploadimg/'.$filename; move\_uploaded\_file($filetmp,'../../uploadimg/'.$filename);

$q="insertsinto

programming\_languages(language\_name,language\_image,language\_description) values('$languagename','$destinationfile','$languagedesc')";

$r=mysqli\_query($con,$q);

if ($r==true) { header("location:manage\_courses.php?status=added");

} }}

//add topic

if (isset($\_POST['submitbtn'])) {

$topicname=$\_POST['topic\_name'];

$coursename=$\_POST['coursename'];

$description=($\_POST['editor']);

$qy="INSERT INTO `courses`( `topic\_name`, `description`, `course\_name`) VALUES ('$topicname','$description','$coursename')";

mysqli\_query($con,$qy); echo "inserted";

header('location:../edit\_topics.php?course\_name='.$coursename);

}

//remove topic

if (isset($\_POST['submitupdate']))

{

$course\_id=$\_POST['cors\_id']; echo $course\_id;

$course\_name=$\_POST['coursename'];

$topic\_name=$\_POST['topic\_name'];

$description=$\_POST['editor'];

$q="UPDATE`courses`SET`topic\_name`='$topic\_name',`description`='$description',`course\_n ame`='$course\_name' WHERE id='$course\_id'";

$result=mysqli\_query($con,$q); if ($result)

{

header("location:../edit\_topics.php?course\_name=".$course\_name); }

else{

echo "something went wrong" } } else{

echo "not set";}

?>

### Manage\_video.php

<?php session\_start();

$con=mysqli\_connect('localhost','root'); mysqli\_select\_db($con,'projectdatabase');

if (isset($\_POST['btn\_add\_vid'])) {

$coursename=$\_POST['course\_name'];

$courseimg=$\_FILES['course\_image'];

$coursedesc=$\_POST['course\_desc'];

$filename=$courseimg['name']; print\_r($courseimg);

$fileerror=$courseimg['error'];

$filetmp=$courseimg['tmp\_name'];

$fileext=explode('.', $filename);

$filecheck=strtolower(end($fileext));

$fileextstored= array('png','jpg','jpeg' );

$q="insert into`SET`topic\_name`='$topic\_name',`description`='$description',`course\_name`='$course\_n ame' WHERE id='$course\_id'";

if (in\_array($filecheck,$fileextstored)) {

$destinationfile='../../uploading/'.$filename; move\_uploaded\_file($filetmp,$destinationfile);

$r=mysqli\_query($con,$q);

if ($r==true) { header("location:manage\_videos.php?status=added"); } } }

//update video

if (isset($\_POST['btn\_update\_vid'])) {

$languagename=$\_POST['selected-course-to-update'];

$languageimg=$\_FILES['course\_image'];

$languagedesc=$\_POST['course\_desc'];

$filename=$languageimg['name'];

print\_r($languageimg);

$fileerror=$languageimg['error'];

$filetmp=$languageimg['tmp\_name'];

$fileext=explode('.', $filename);

$filecheck=strtolower(end($fileext));

$fileextstored= array('png','jpg','jpeg' ); if (in\_array($filecheck,$fileextstored)) {

$destinationfile='../../uploading/'.$filename; move\_uploaded\_file($filetmp,$destinationfile);

$q=" UPDATE video\_info SET image='$destinationfile',description='$languagedesc' WHERE course\_name='$languagename'";

$r=mysqli\_query($con,$q); if ($r==true) {

header("location:manage\_videos.php?status=updated");

}

}

}

//delete course

if (isset($\_POST['btn-delete-vid'])) {

$course\_name=$\_POST['selected\_course'];

$q="DELETE FROM video\_info WHERE course\_name='$course\_name'";

$r=mysqli\_query($con,$q); if ($r)

{

header("location:manage\_videos.php?status=deleted");

} ?>

### Manage\_user.php

<?php

$con=mysqli\_connect('localhost','root'); mysqli\_select\_db($con,'projectdatabase');

$id=$\_GET["id"];

mysqli\_query($con,"delete from login where id=$id");

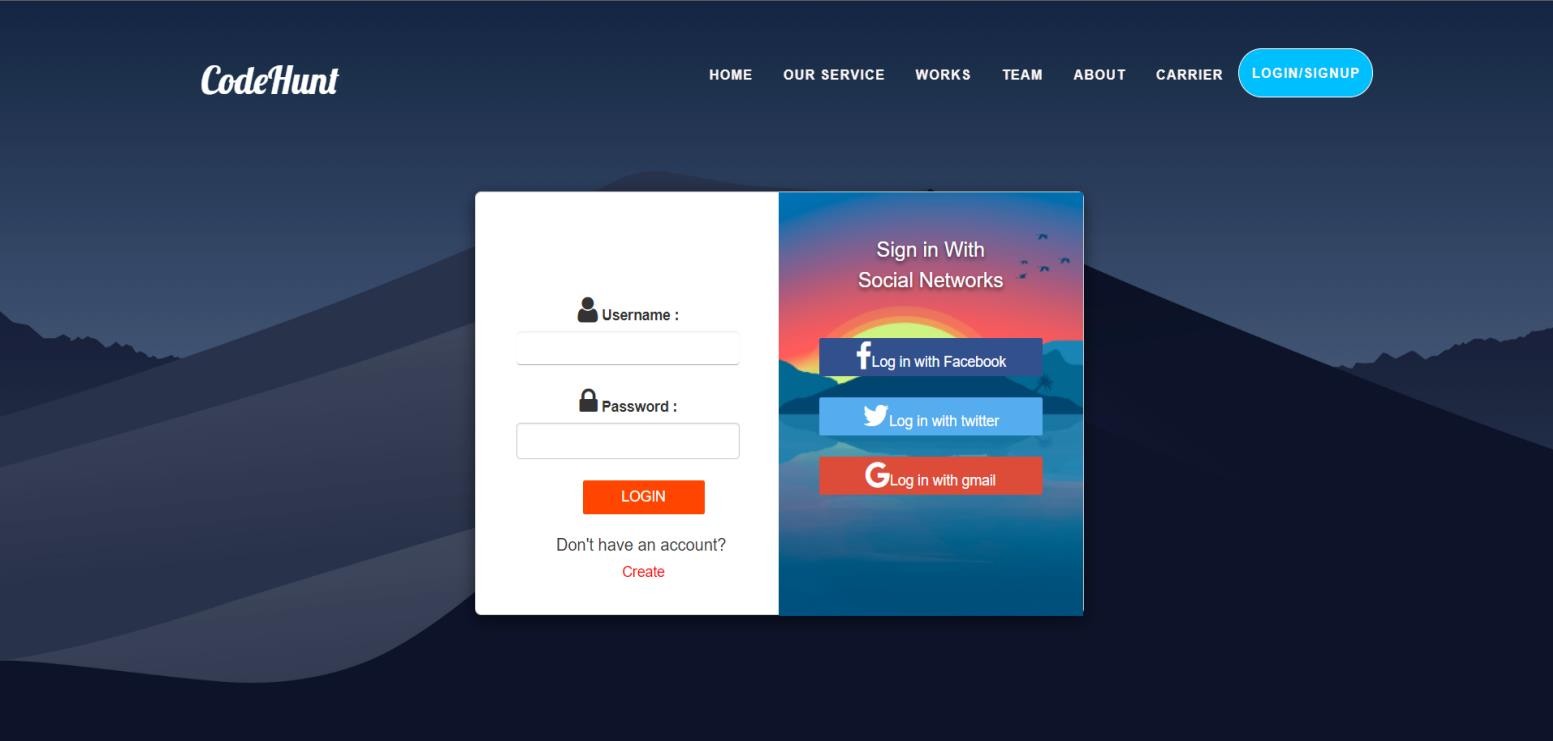
?>

<script type="text/javascript"> window.location="admin\_main.php";

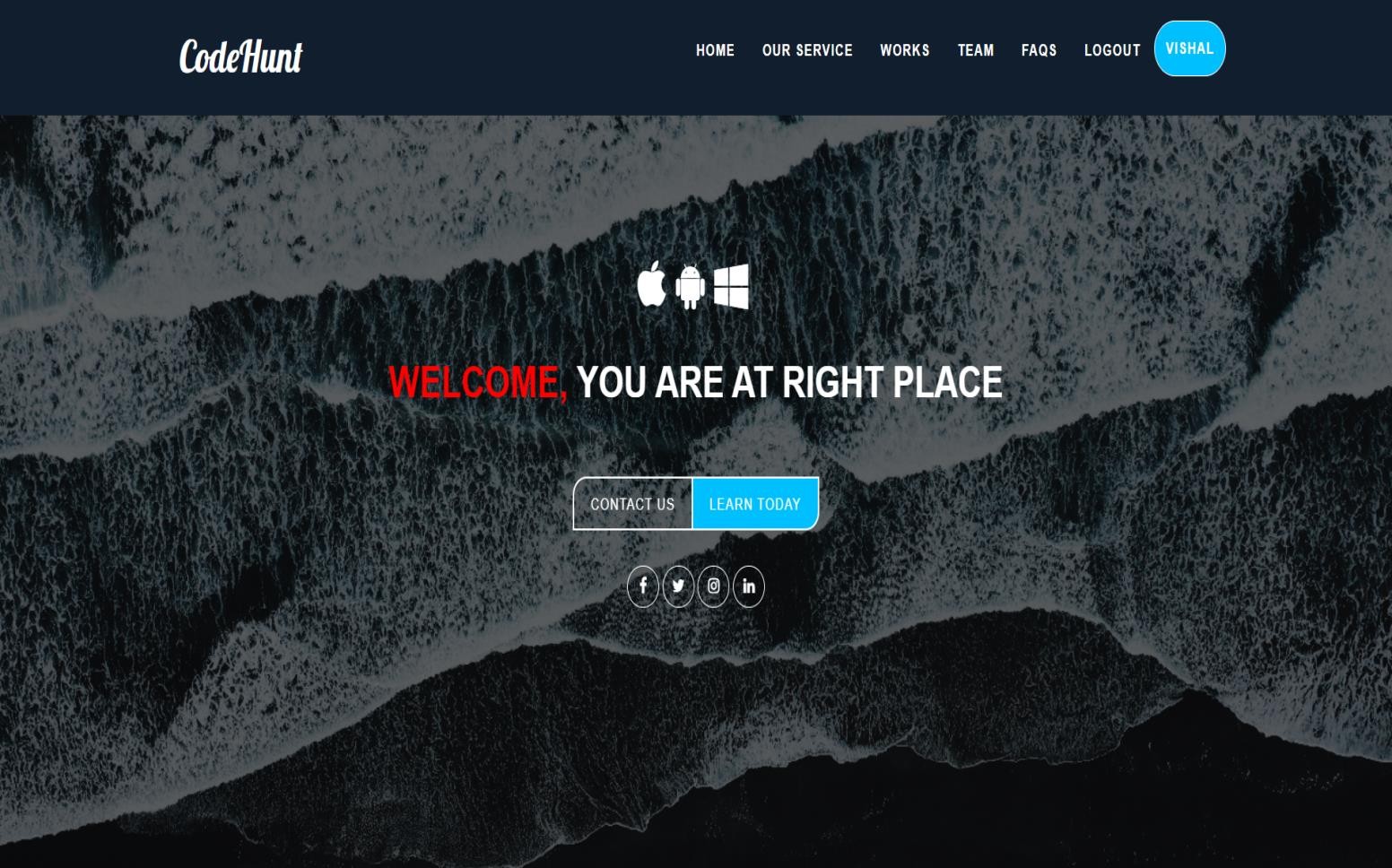
</script>

**5.2 Output :-**

Login :



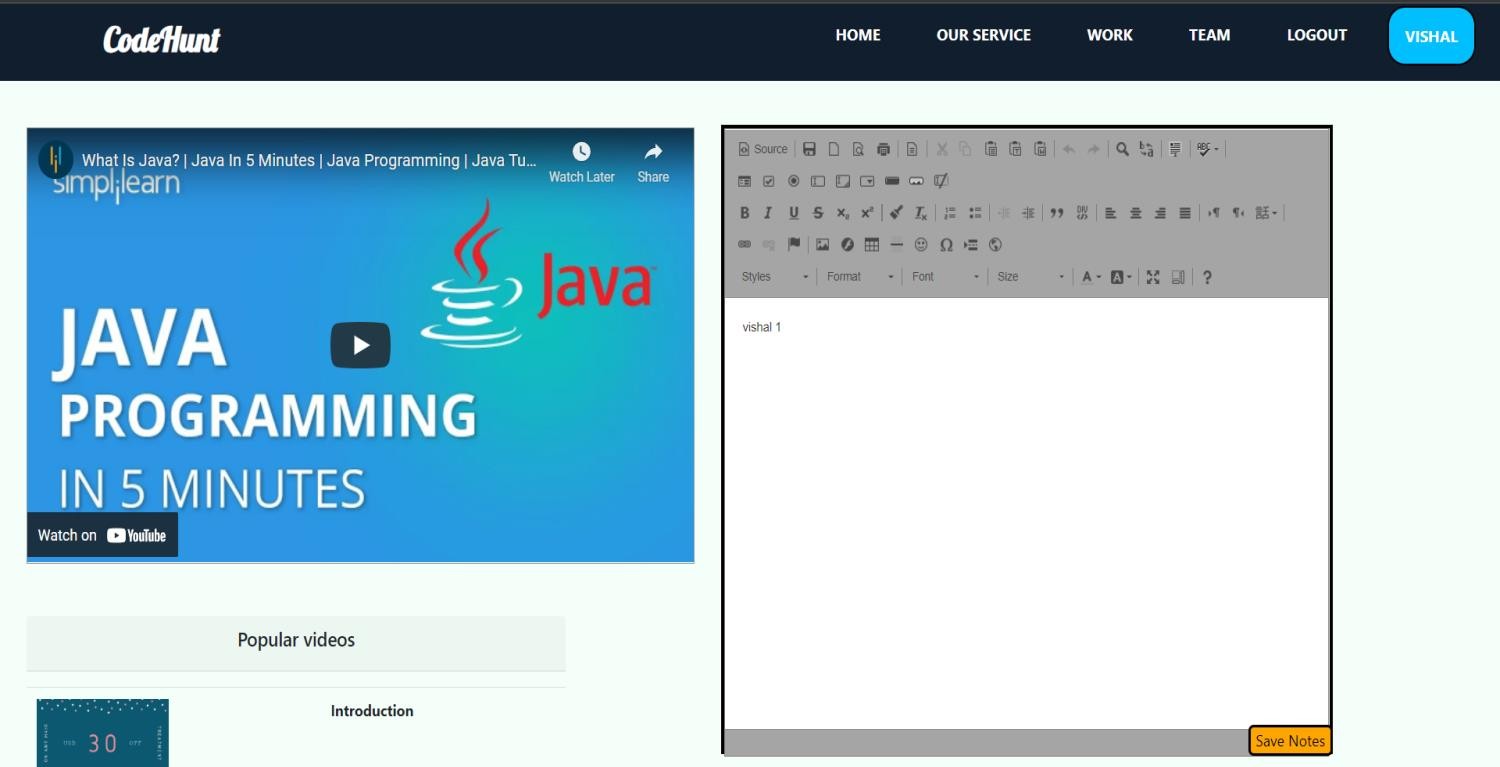
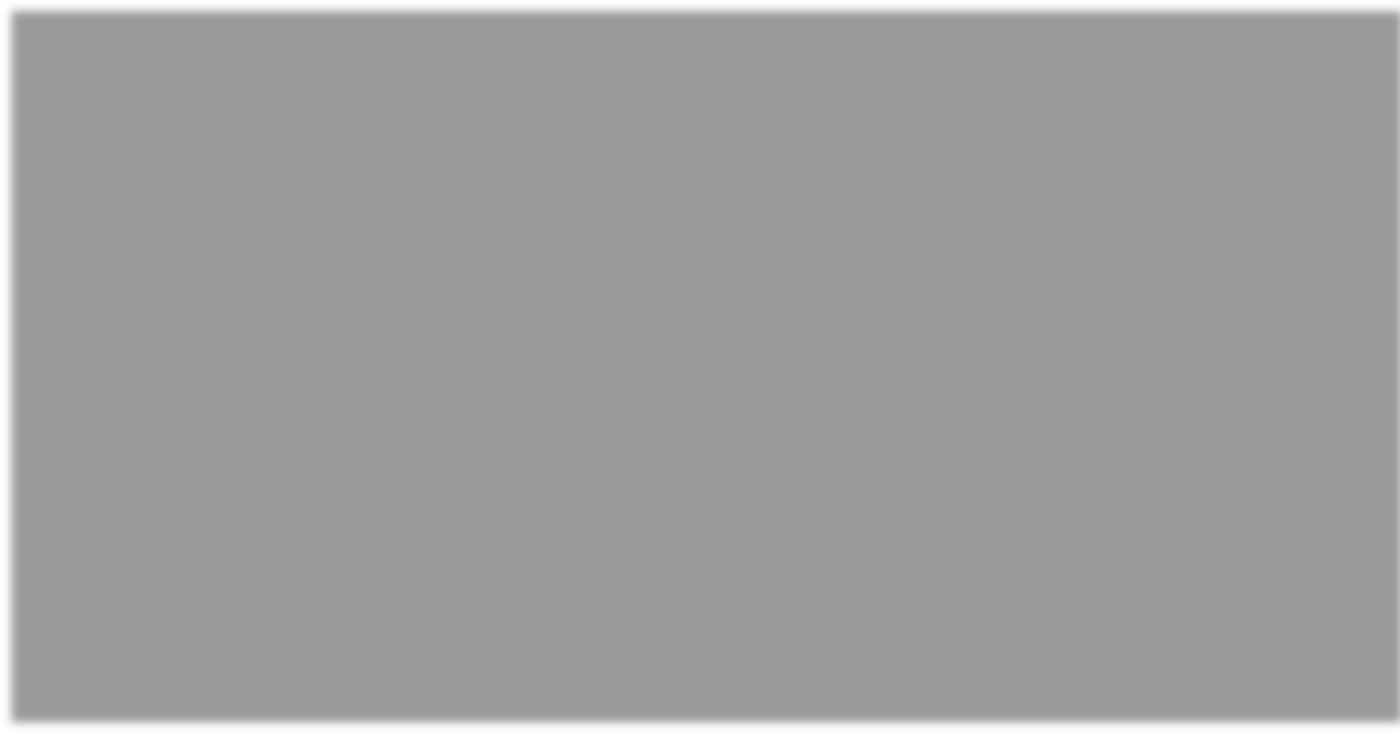
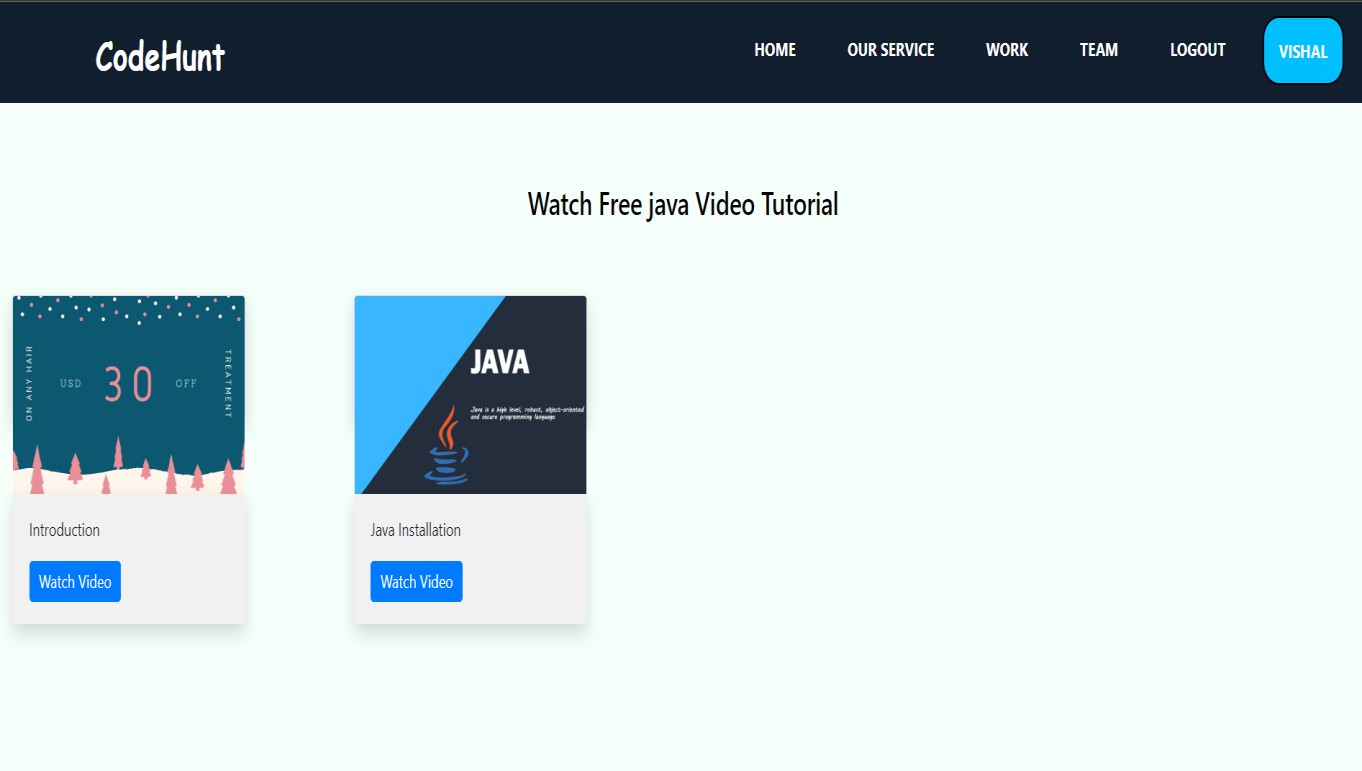
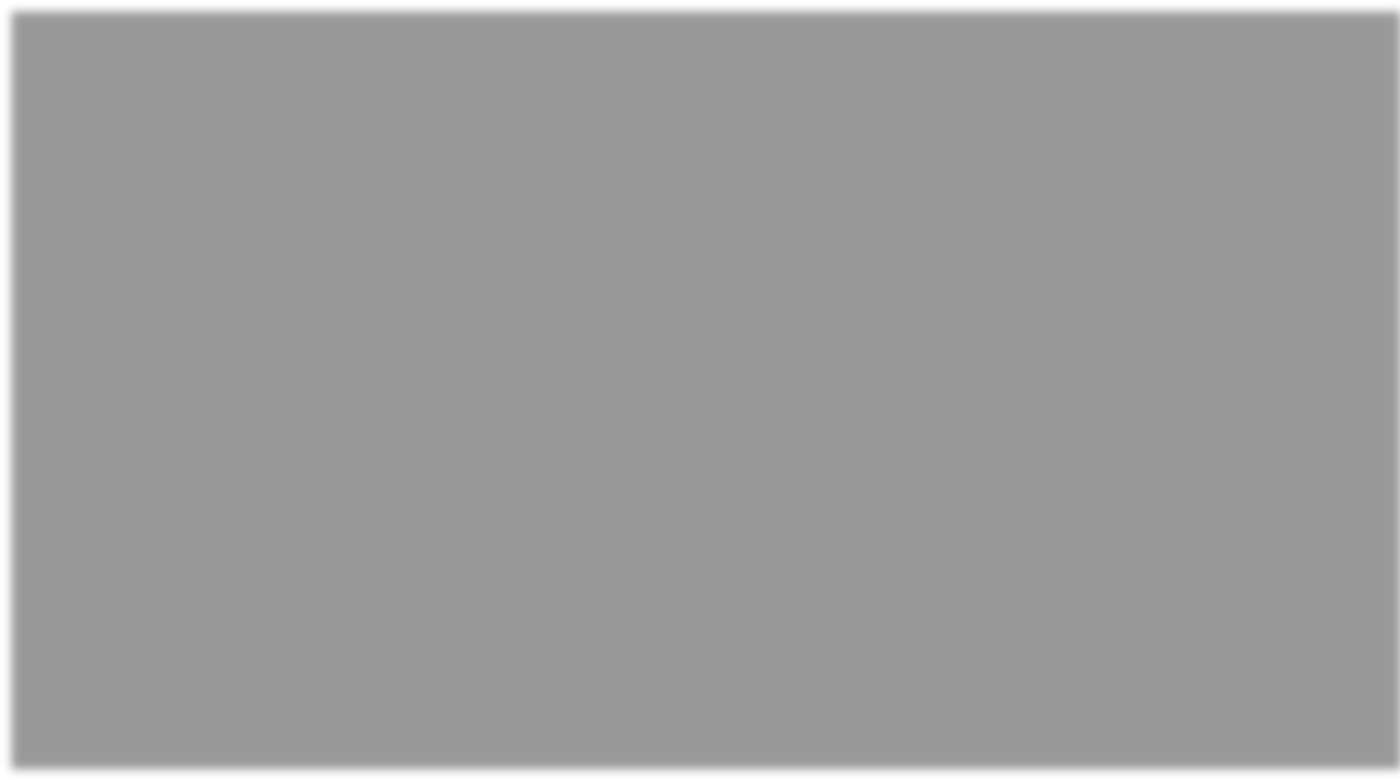
Home :



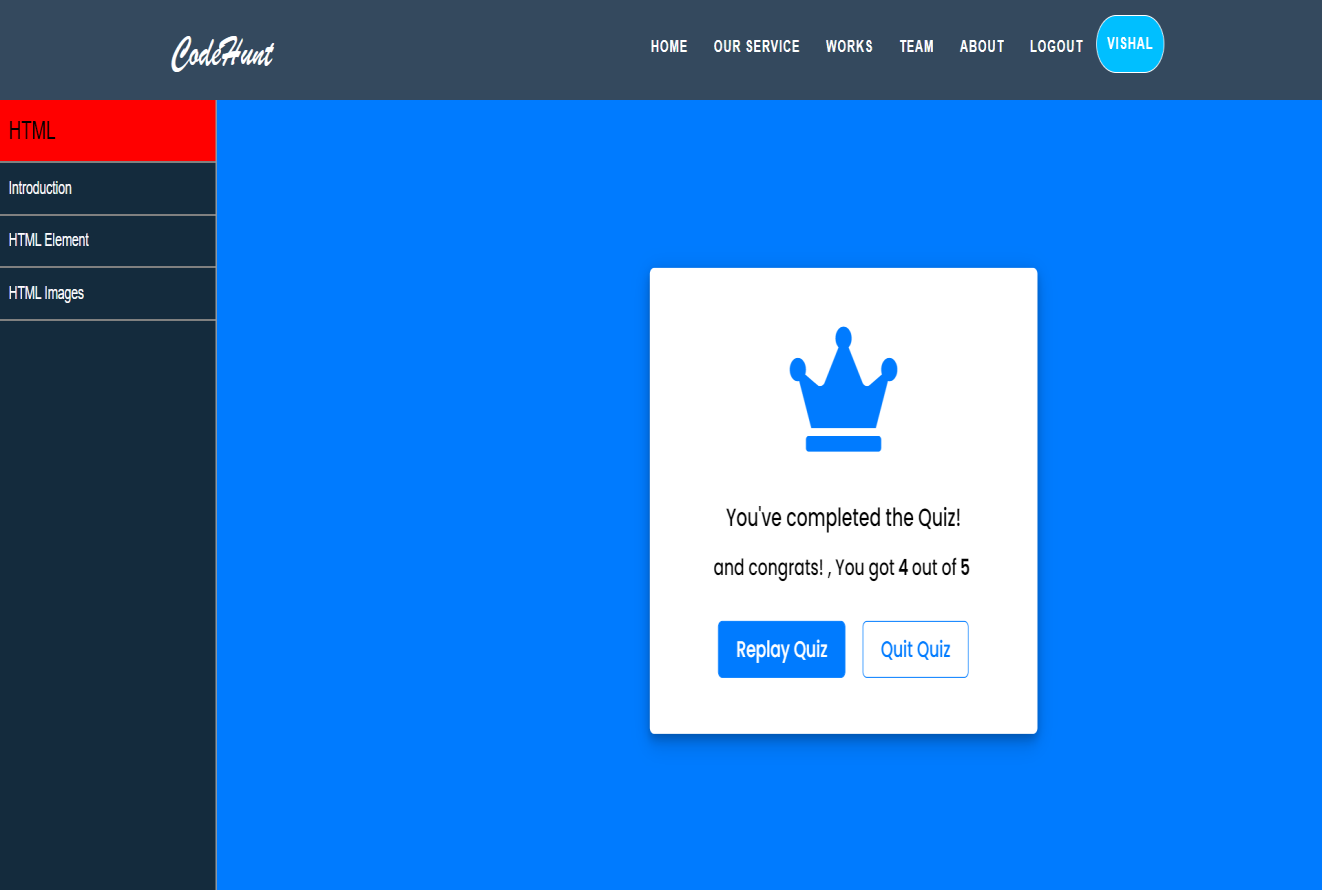
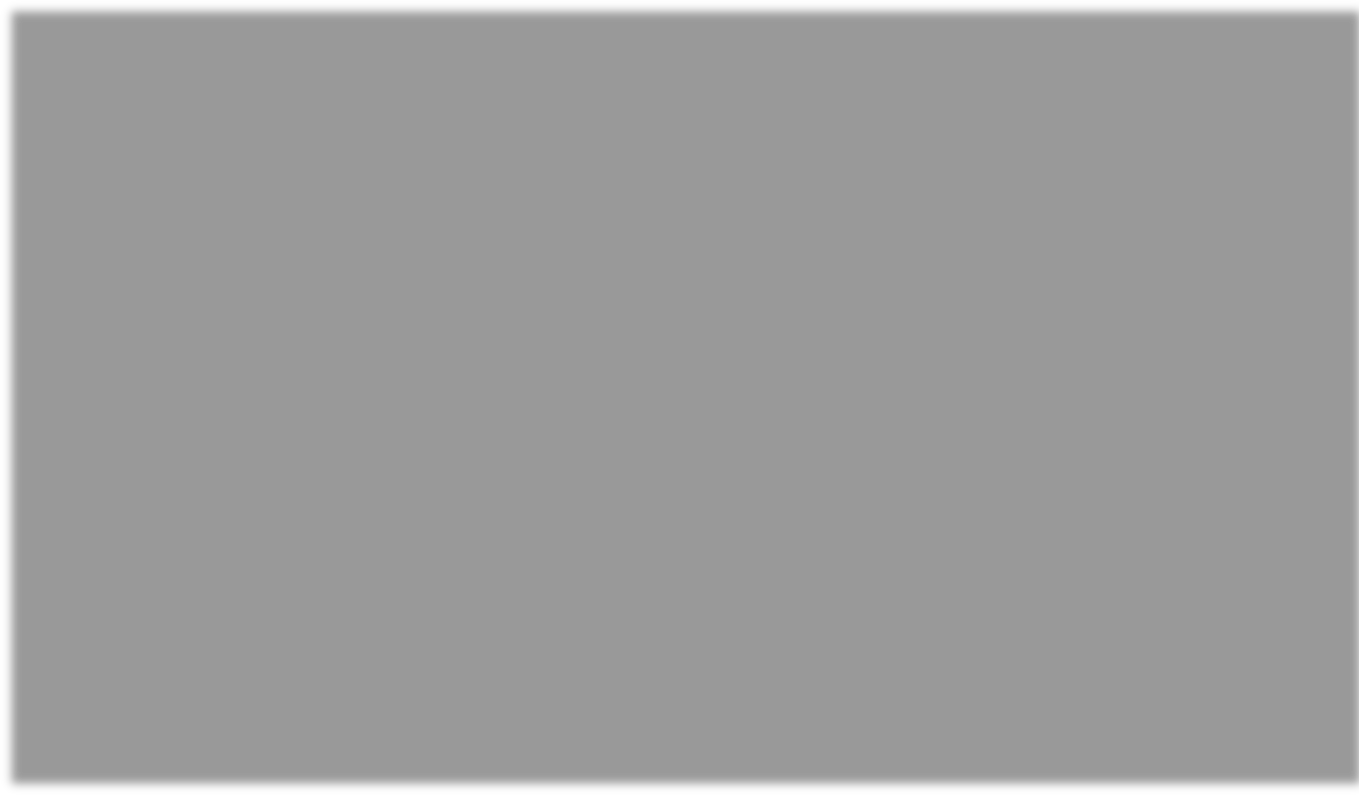
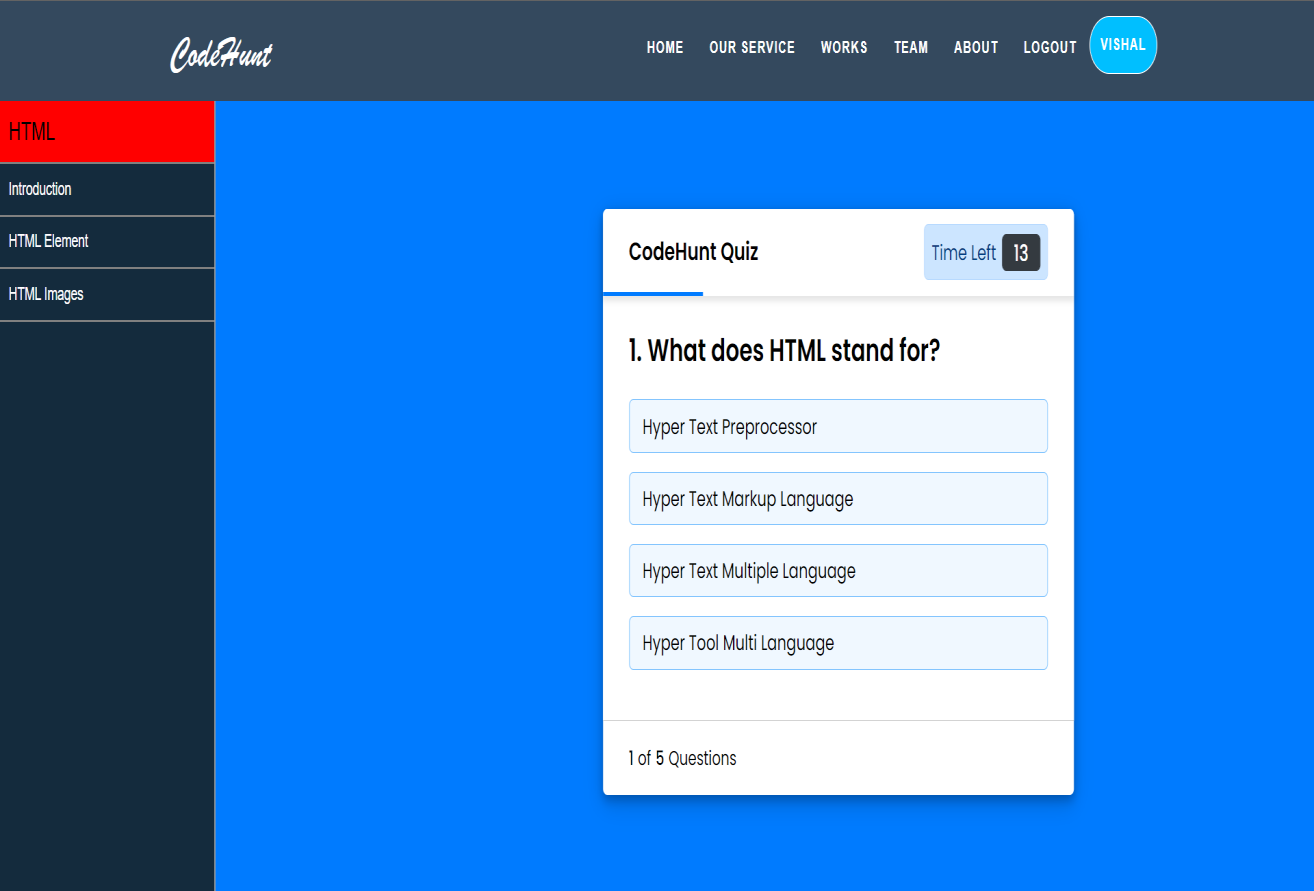
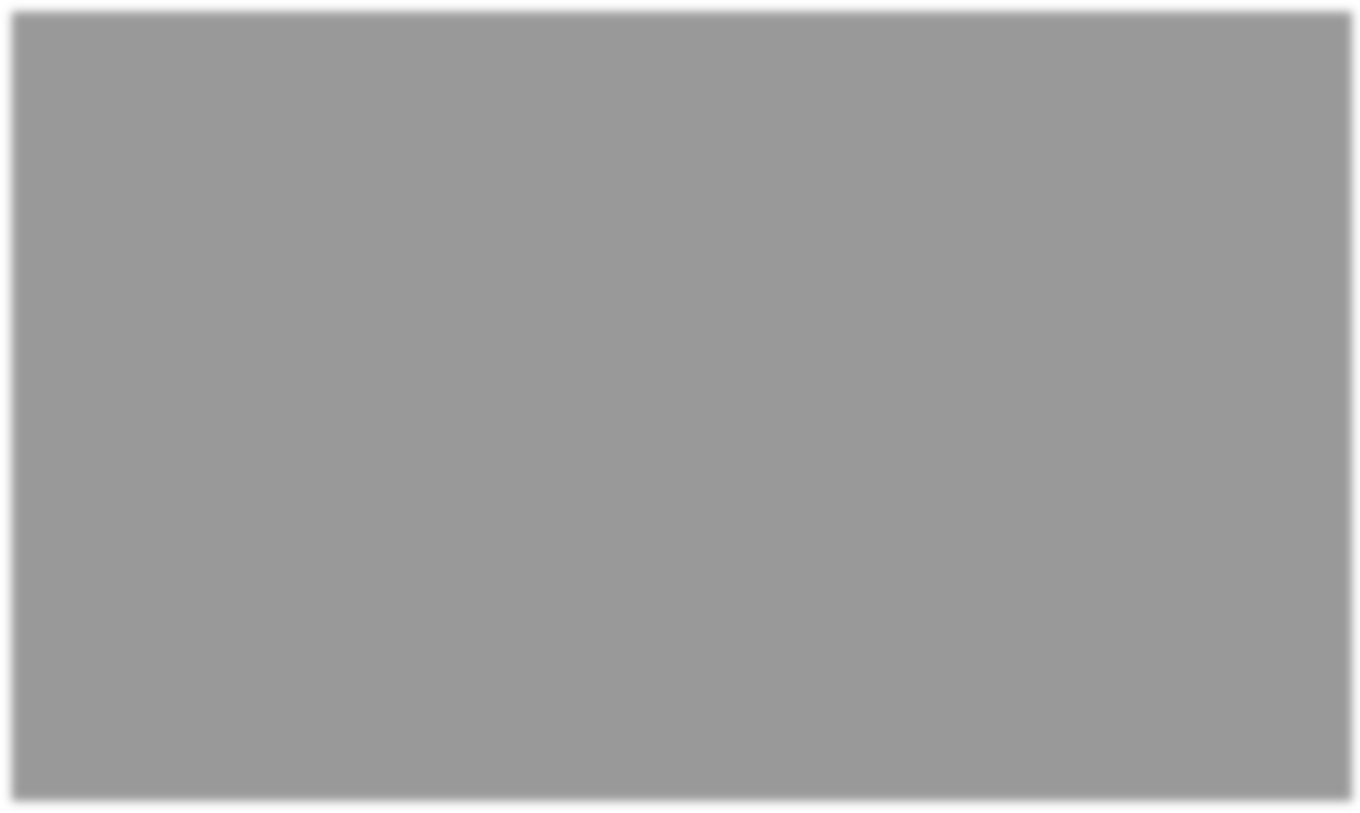
* Programming Languages



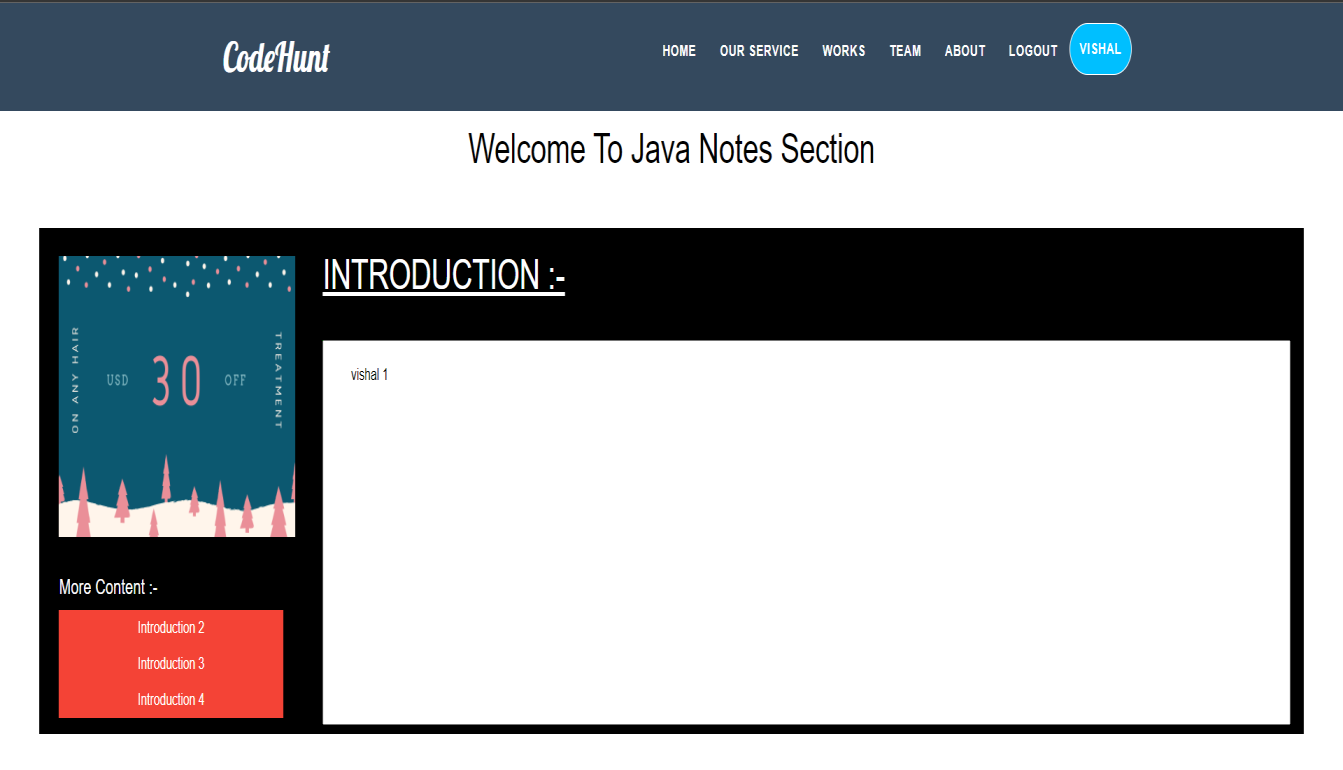
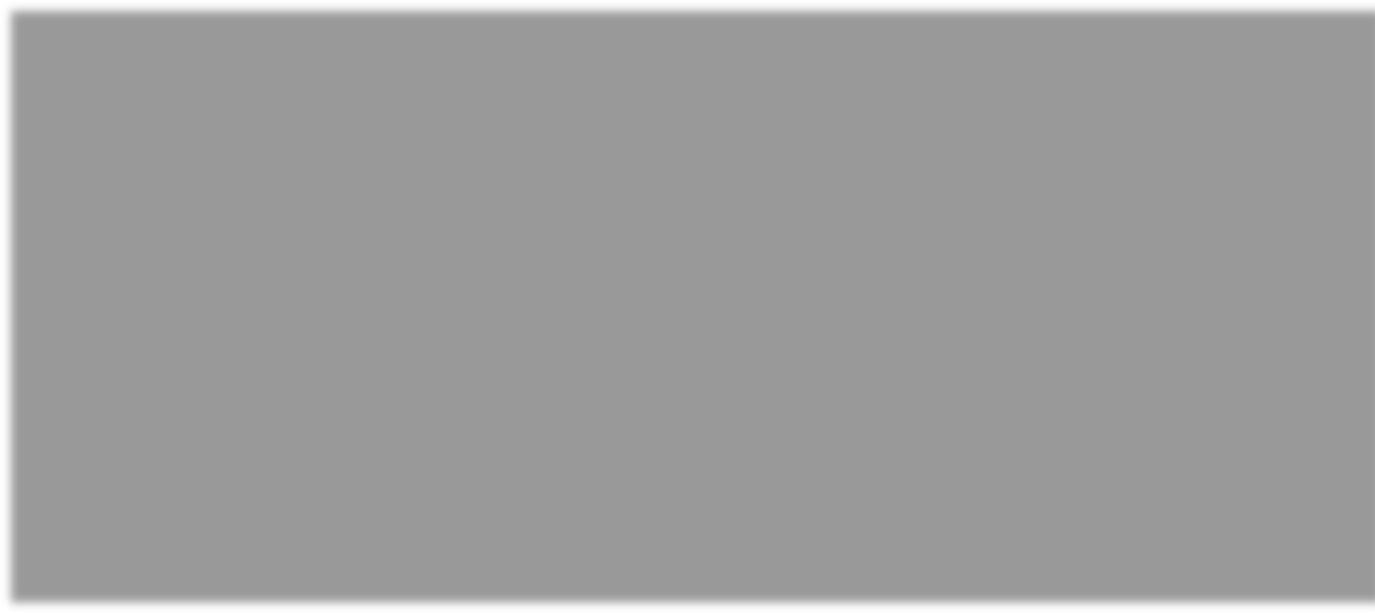
* Video Section



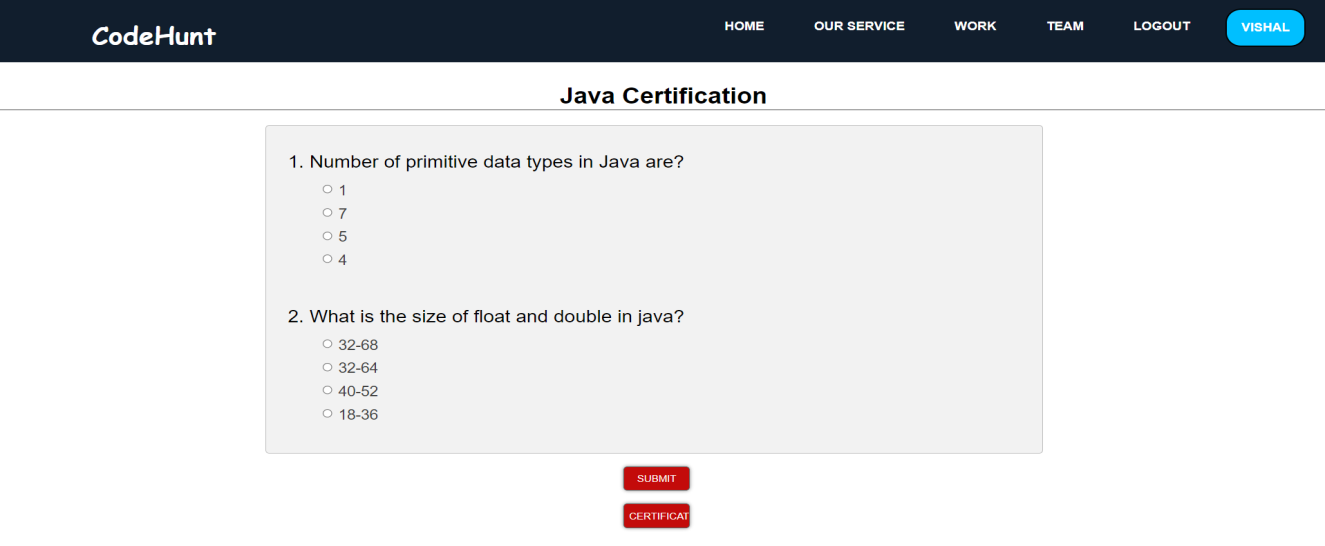
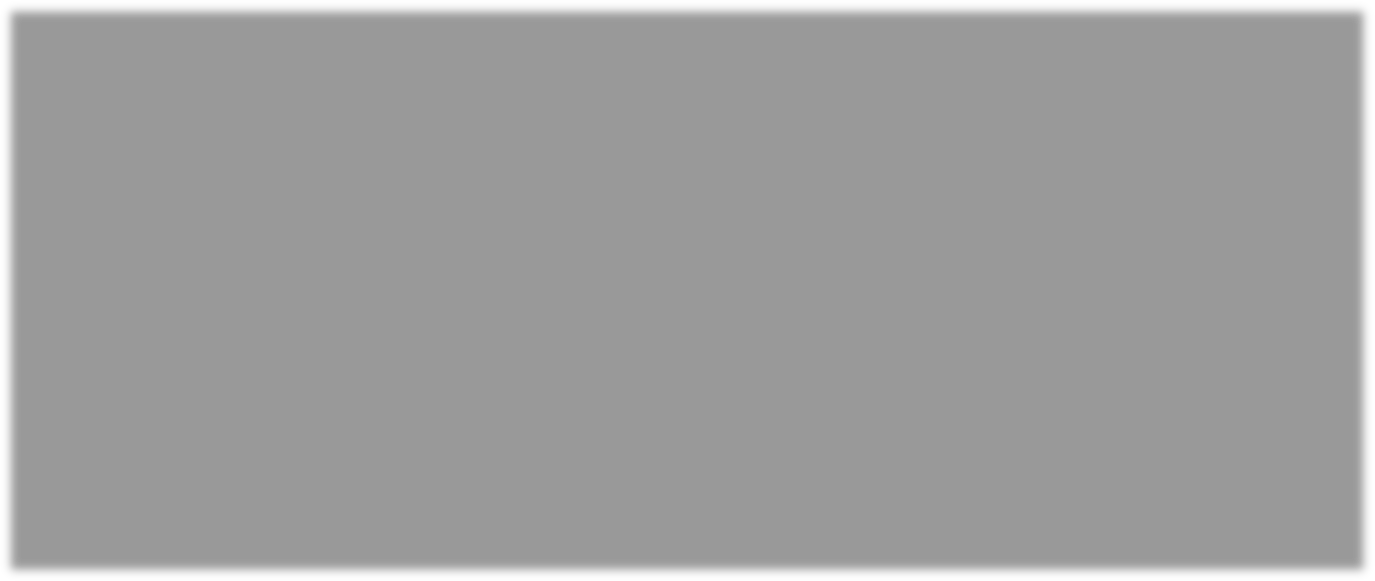
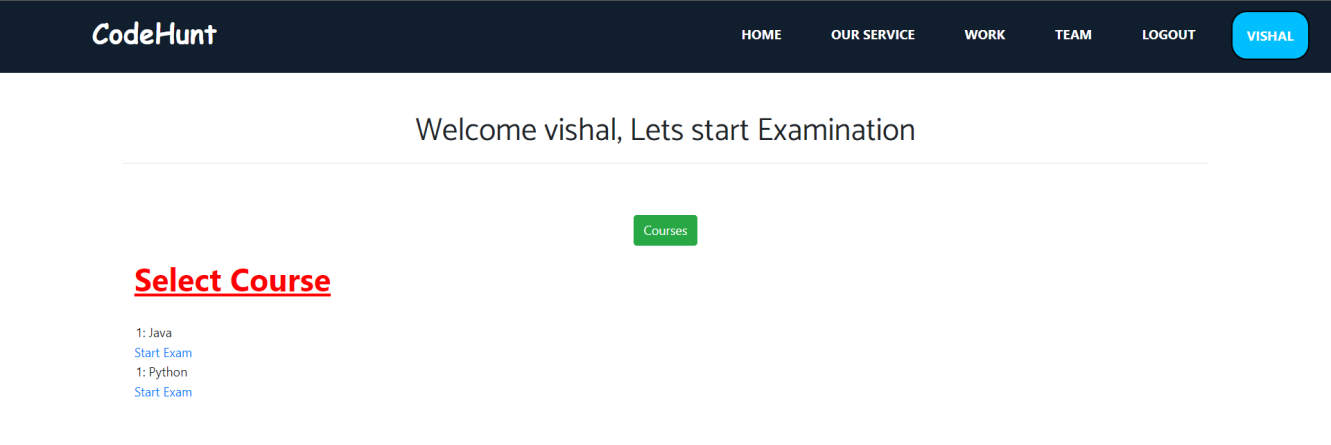
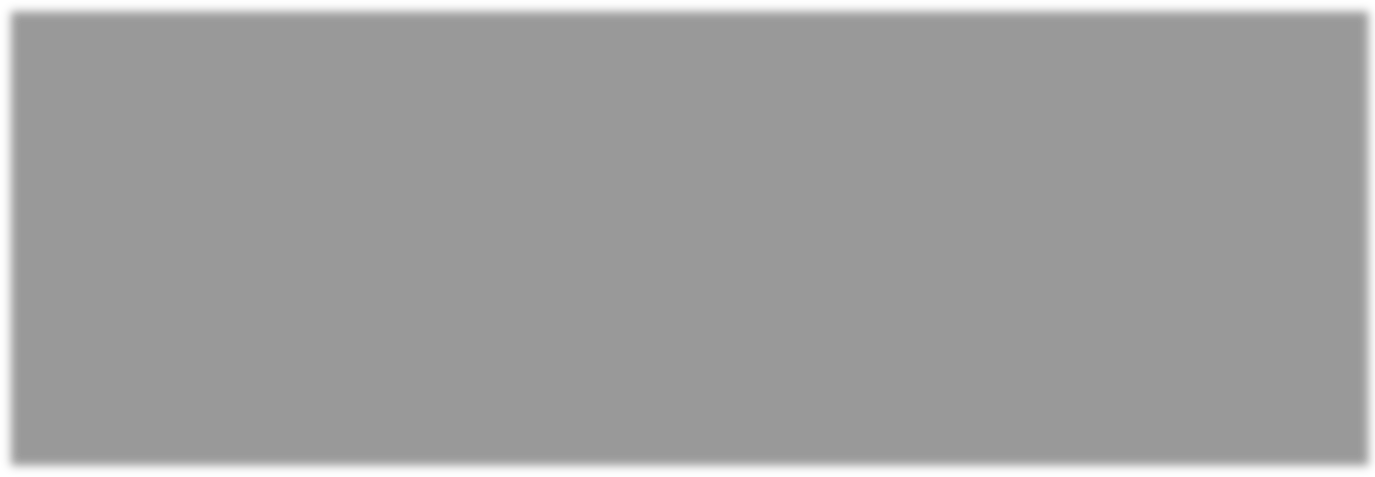
* Quiz Section



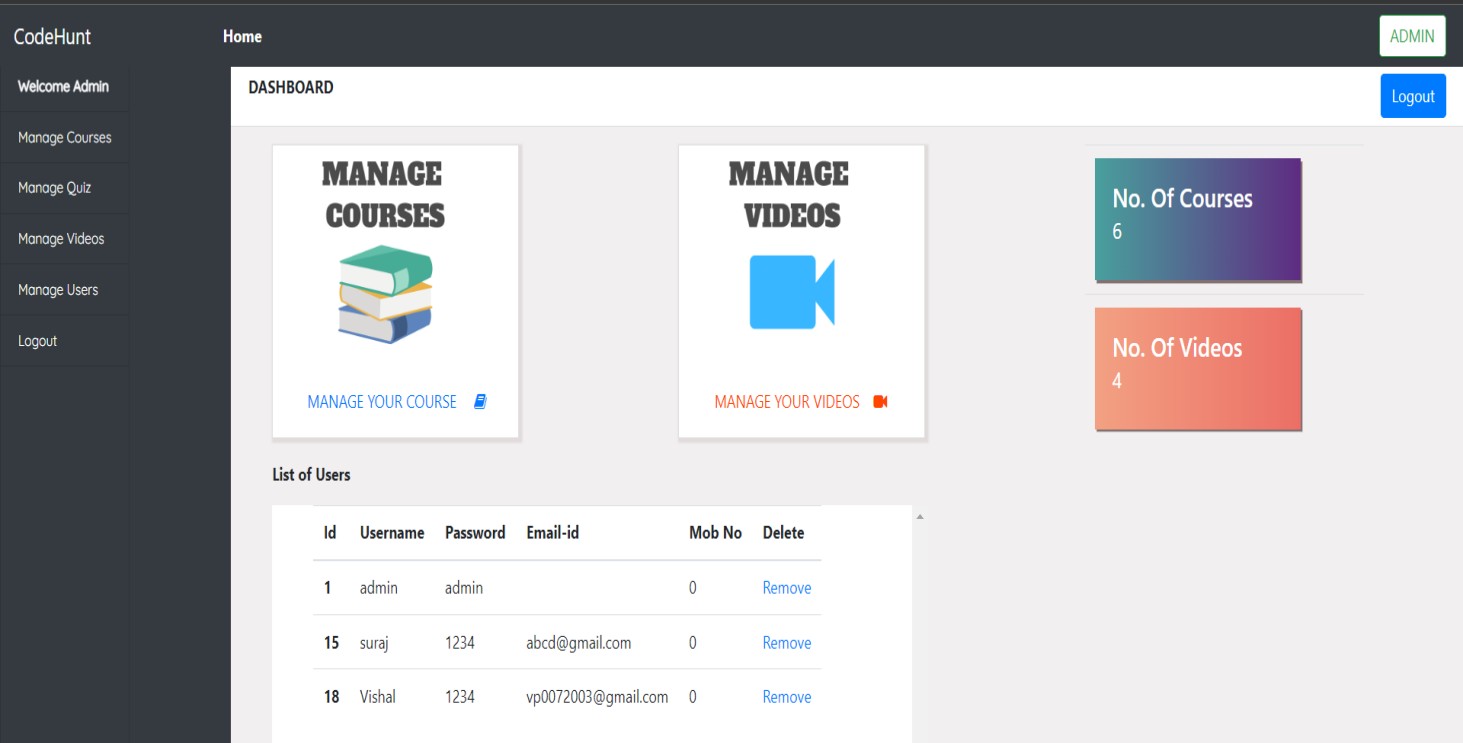
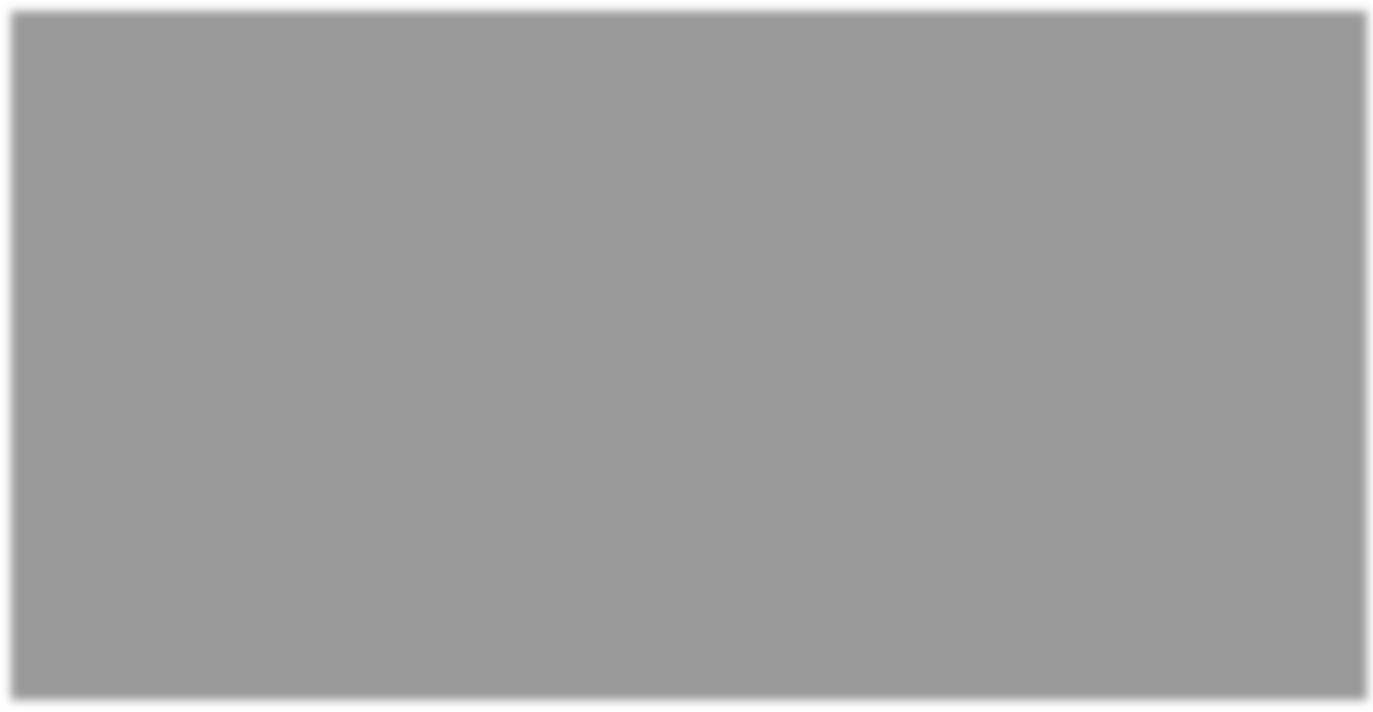
* Notes



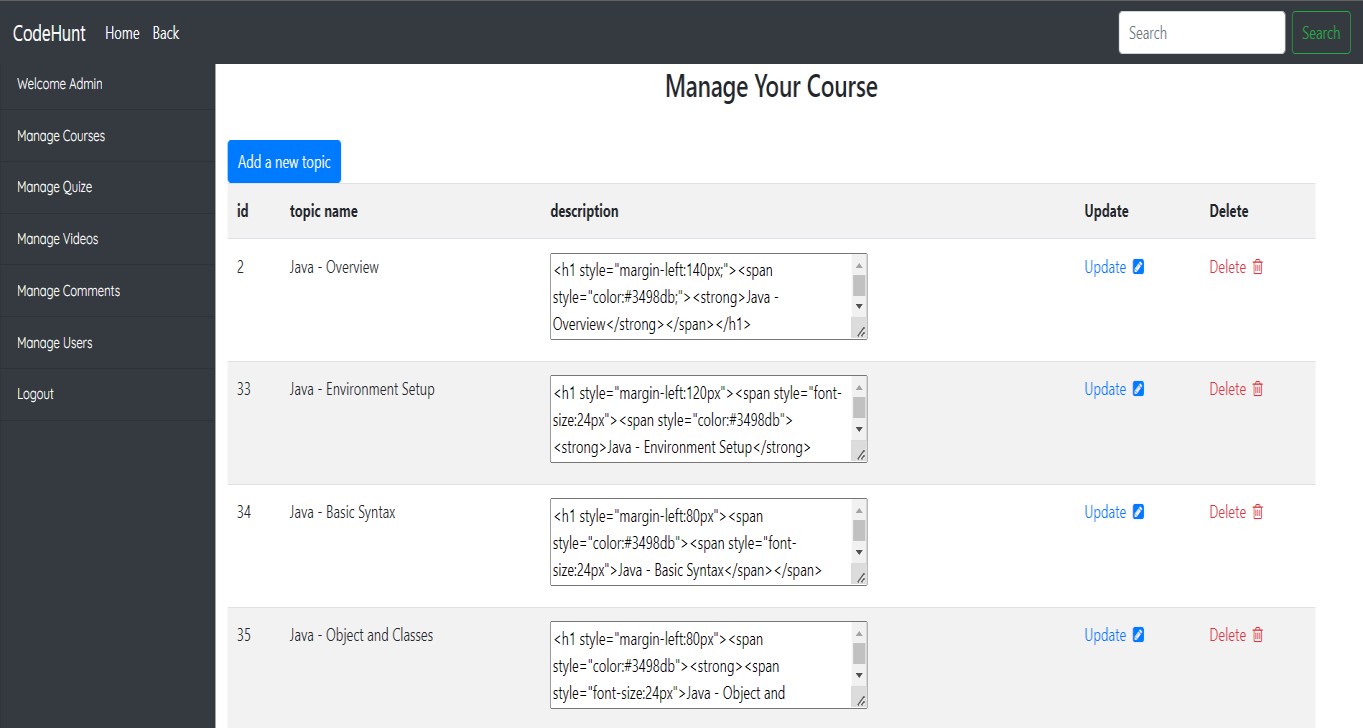
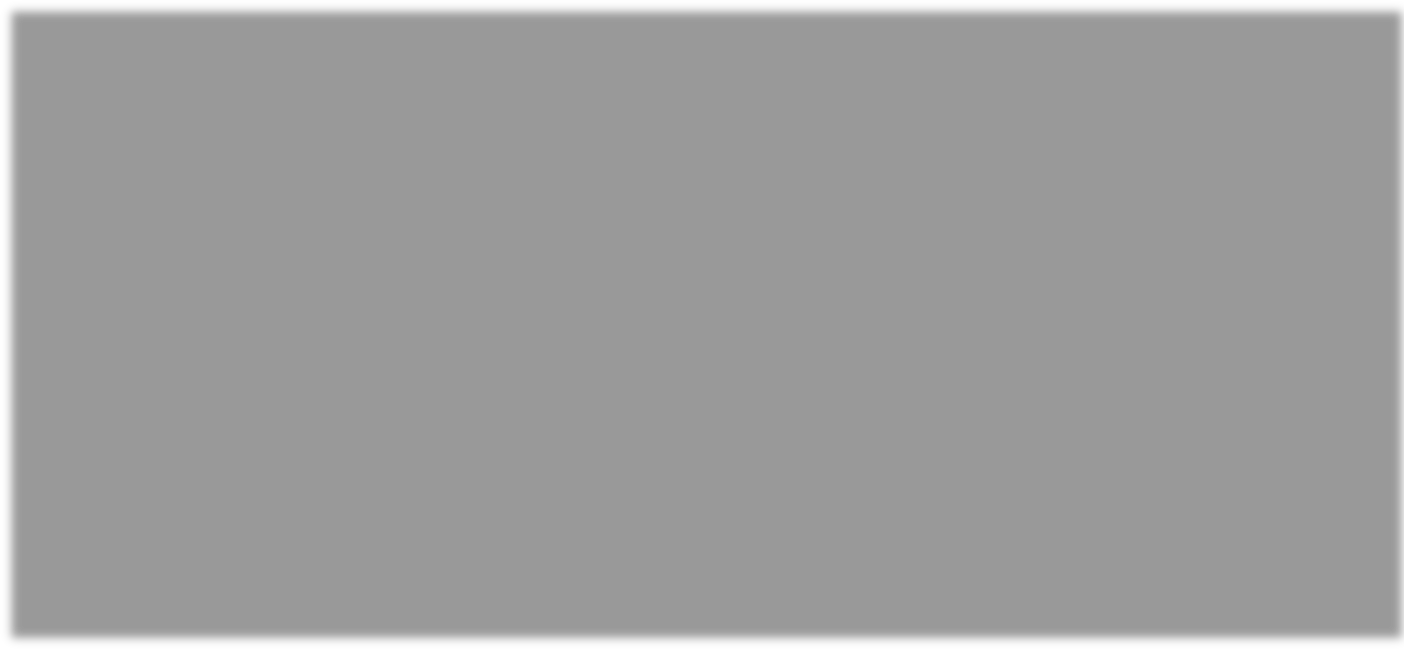
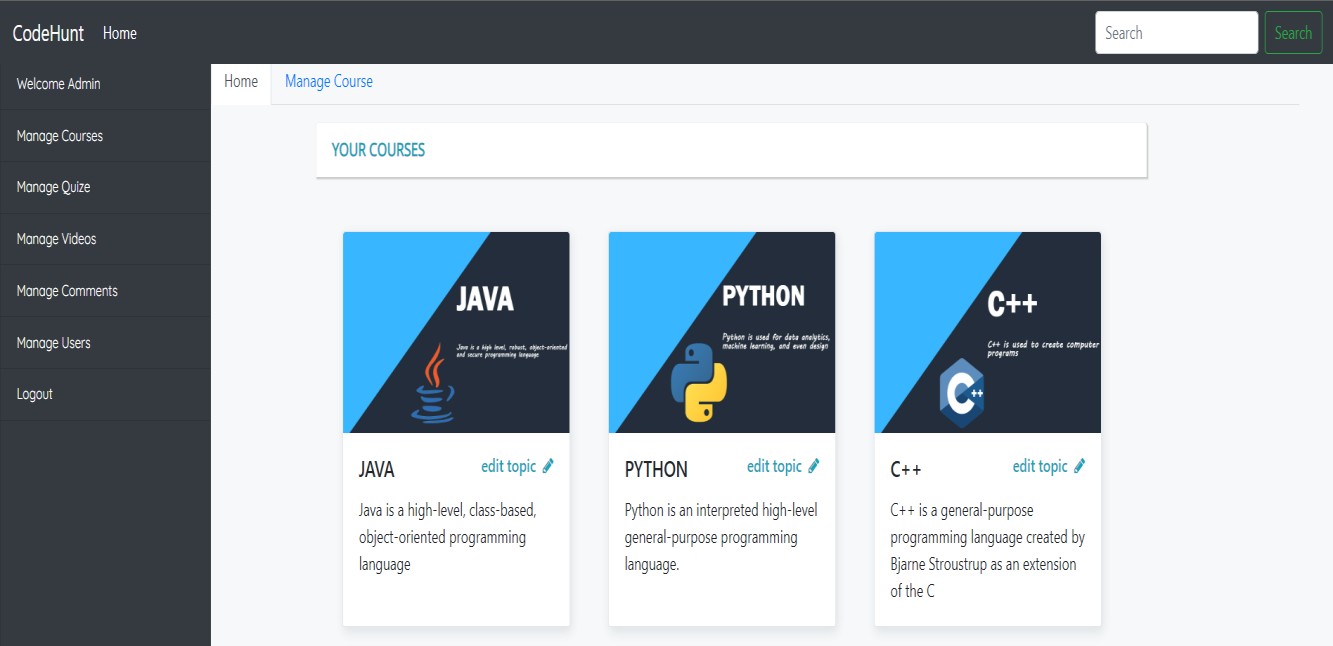
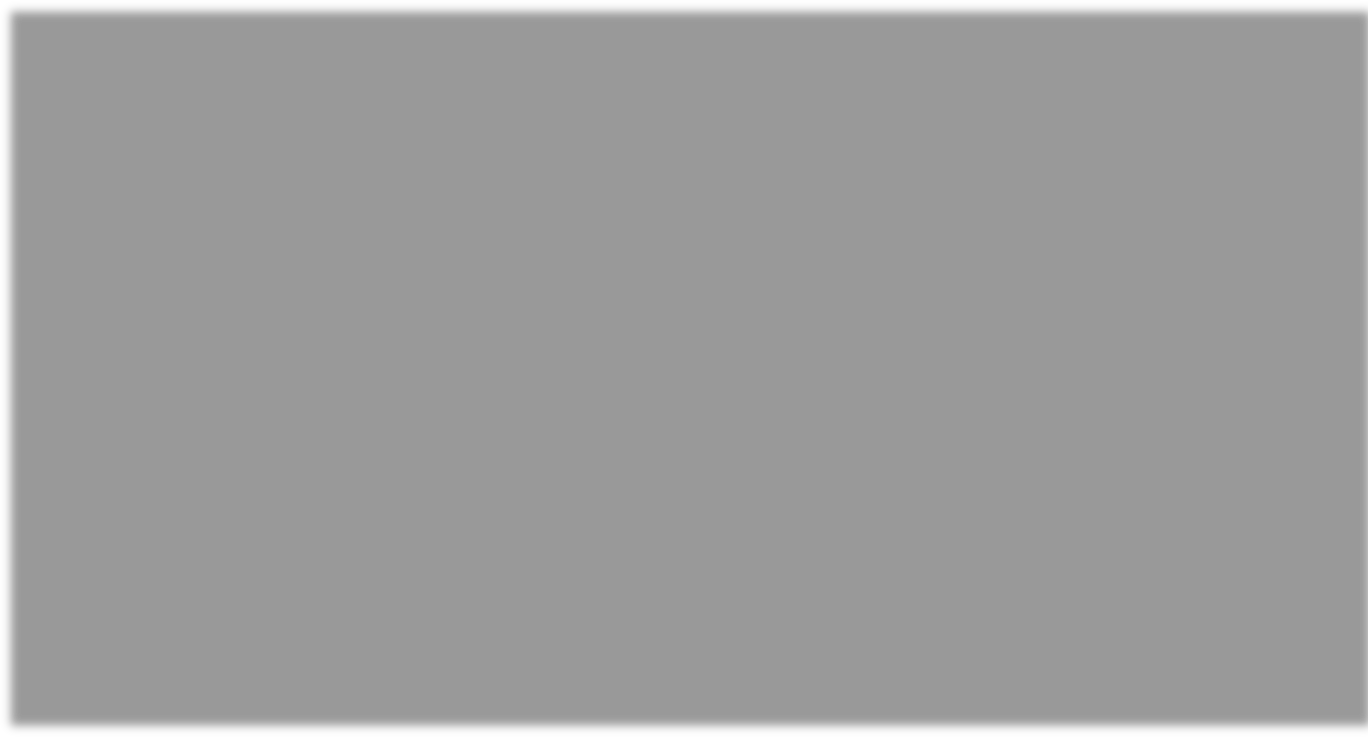
* Certificate



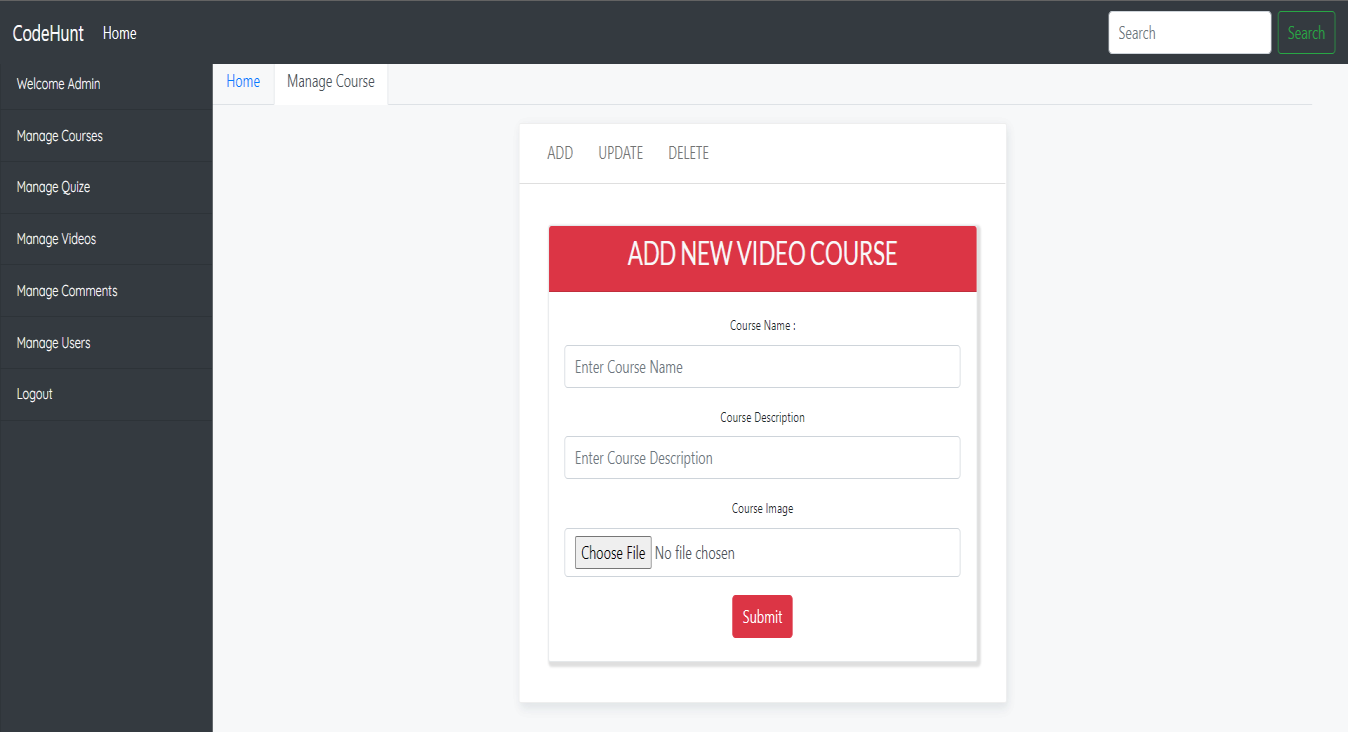
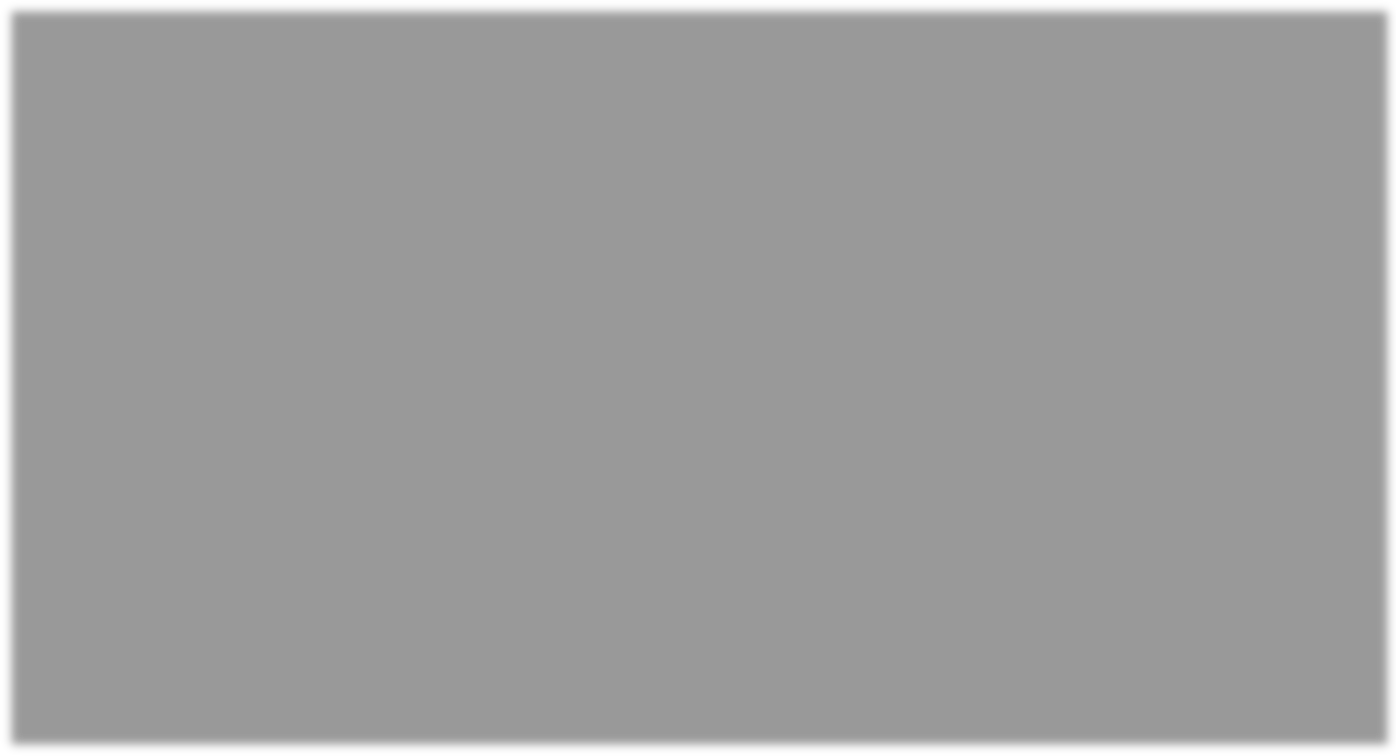
## Admin Home



* Manage Programming Languages



* **Manage Videos**



**Chapter 6 Software Testing**

**Software Testing**

### System Testing :-

System testing tests the system as a whole. Once all the components are integrated, the application as a whole is tested rigorously to see that it meets the specified Quality Standards. This type of testing is performed by a specialized testing team.

### System testing is important because of the following reasons:

System testing is the first step in the Software Development Life Cycle, where the application is tested as a whole.

The application is tested thoroughly to verify that it meets the functional and technical specifications.

### Types of Testing

#### Unit Testing :-

This type of testing is performed by developers before the setup is handed over to the testing team to formally execute the test cases. Unit testing is performed by the respective developers on the individual units of source code assigned areas. The goal of unit testing is to isolate each part of the program and show that individual parts are correct in terms of requirements and functionality.

#### Integration Testing

Integration testing is defined as the testing of combined parts of an application to determine if they function correctly. Integration testing can be done in two ways: Bottom up integration testing and Top-down Integration testing.

#### Functional Testing

Functional tests provide systematic demonstrations that functions tested are available as specified by the business and technical requirements, system documentation, and user manuals. Functional testing is centered on the following items:

* + Valid Input: Identified classes of valid input must be accepted.
  + Invalid Input: Identified classes of invalid input must be rejected.
  + Functions: Identified functions must be exercised.
  + Output: Identified classes of application outputs must be exercised.

#### System Testing

System testing tests the system as a whole. Once all the components are integrated, the application as a whole is tested rigorously to see that it meets the specified Quality Standards. This type of testing is performed by a specialized testing team.

#### White Box Testing

White-box testing is the detailed investigation of internal logic and structure of the code. White- box testing is also called glass testing or open-box testing. In order to perform white-box testing on an application, a tester needs to know the internal workings of the code.

#### Black Box Testing

The technique of testing without having any knowledge of the interior workings of the application is called black-box testing. The tester is oblivious to the system architecture and does not have access to the source code. Typically, while performing a black-box test, a tester will interact with the system's user interface by providing inputs and examining outputs without knowing how and where the inputs are worked upon.

#### Acceptance Testing

This is conducted by the Quality Assurance Team who will gauge whether the application meets the intended specifications and satisfies the client’s requirement.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr.no** | **TestCase Name** | **Description** | **Expected Result** | **Actual Result** | **Rem ark** |
| 1. | Student Login | Enter Username and Password for login to website | Login should be Successful | Login Successful | Pass |
| 2. | Admin Login | Check response when valid name and password is entered | Doctor Login should be Successful | Admin Login Successful | Pass |
| 3. | Open Service section | To check weather the section is responding or not. | Successfully open and show contain from database | Opened section and list down available courses with their photo | Pass |
| 4. | Notes display | To check weather predefined notes are opening or not | Open a notes specified in database fro that topic respected to  subject | Display notes of topic which is selected from list | Pass |
| 5. | Run compiler | To check weather compiler / interpretur is working | Respond to user written code and generate the output | Generate output according to the programme | Pass |
| 6. | Video play | To check weather the assigned video is available and playing or not | Video get opened in iframe and start playing on select the topic respected to course | Video played successfully | Pass |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7. |  | Notes Operation | To check weather the insertion and retrival function working or not | Display notes from database & update when button is ‘update’ button  in clicked | Successfully retrieved and updated | Pass |
| 8. |  | Start Quiz | Check whether the quiz is starting or not | Open a quiz in side frame respected to topic selected particular to programming  language | Quiz started fro selected topic | Pass |
| 9. |  | Quiz Validation | Check the validation (insert score, re attempt quiz,  avoid repetition of  quiz ) | Proceed for further process if condition is true otherwise show error | Prepossessing for true condition, Error for false condition | Pass |
| 10. |  | Certificate Generation | Generate the certificate for student based on  their marks obtain | Calculate their score & generate certificate as per  that result | Result generated successfully | Pass |
| 11. |  | Send Email | Send email from contact us section for enquiry  purpose | Notification for mail send | Mail send successfully | Pass |
| 12. |  | Manage Programmin g  Language | Insert, update, delete Content of  language section  from admin | Given operation has been successfully performed | Operation performed successfully | Pass |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 13. |  | Manage Video Section | Insert, update, delete  Content of Video  section from admin | Given operation has been successfully performed | Operation performed successfully | Pass |
| 14. |  | Delete Student | Delete user from admin login and data related to that  user | User deleted a and data deleted | User and Data deleted successfully |  |

**Chapter 7 Cost Estimation**

**Cost Estimation**

# Effort Estimation Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Effort Weeks** | **Deliverables** | **Milestones** |
| Analysis of existing system and comparing with the proposed one | **1.1 weeks** |  |  |
| Planning and Design   1. System Flow 2. Design Modules and its   Deliverables | **1.2 week** | Modules,Design document |  |
| Implementation | **9 weeks** | Primary System |  |
| Testing | **2.1 week** | Test Reports | Formal |
| Documentation | **1.3 week** | Complete Project Report | Formal |

* 1. **Estimation of KLOC**

|  |  |  |
| --- | --- | --- |
| **Sr.No.** | **Modules** | **KLOC** |
| 1. | Web Designing | 1.45 |
| 3. | Server-Side Logic | 2.43 |
| 3. | Database Schema | 0.58 |
| 4. | Client-Side Logic | 0.79 |

**Thus, the Total number of lines required is approximately 5.25 KLOC**

**Chapter 8 Future Scope**

**Future Scope**

* Our Project technologies can be extended in the following future scope.

#### Live instruction:

Certain curriculum may require specialized instructors. By using live broadcasts, these instructors can remain in one location and provide instruction to many students in other locations. This type of specialization increases as students move into higher levels of education, for example towards advanced degrees in medicine

#### Video content delivery:

Pre-recorded content such as lectures, documentaries, and other video content may be delivered in a forward and store model so that the material can be viewed when needed which are created by our dedicated faculties which we hire

#### Student-to-student interactions (video conferencing):

Related to the first point, students may learn just as much from each other as they do from teachers. Thus, communications technology can be used to connect students in different regions or even different parts of the world so that they may interact.

#### Industry recognize certifications :

Providing certification courses which provide industry standard and recognized certificate course. Which can be used to show great background and skill in that particular field

#### Up-to-date materials:

As mentioned above, the basics seldom change. However, virtually all textbooks must be updated. Textbooks are very expensive to purchase, maintain, and deliver. Again, digital delivery solves this issue when coupled with e-Readers such as tablets.

#### Premium subscription based learning resources :

Providing some additional feature like personal assistance, video based dought solving session, interactive classes with students, practise sets etc. Which will enhance students ability to code in more efficient way

**Chapter 9 CONCLUSION**

**CONCLUSION**

This project is taking into consideration various techniques that can be used to make a successful “Online programming language learning Platform” for the web.

We also learned the languages and technologies used to obtain the goal of our project. We have successfully designed the application using the technologies such as

-HTML, CSS, JS (Frontend)

-PHP, SQL (Backend)

We are making the use of different techniques and try to minimize the time required and quality of education experience in online learning based platform. Also in this project we are trying to include the important and advance features that make the learning journey of the user easy and enjoyable.

The facilities which we provide students to learn programming languages in more efficient way under a single roof where they can learn from text based, video based tutorial and enhance there skills competing in quiz's

Opening up borders of programming language learning 24-7 with latest and trending topics loaded with detail descriptions and providing implementable infrastructure.

**Chapter 10 References**

**References**

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