

**A
Project Report
On**

**Course Academy
B.Tech-IT,Sem VI**

**Prepared By
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**DEPARTMENT OF INFORMATION TECHNOLOGY
FACULTY OF TECHNOLOGY,
DHARMSINH DESAI UNIVERSITY
COLLEGE ROAD, NADIAD- 387001**

April,2021

**A
Project Report
On
Course Academy**
In partial fulfillment of requirements for
**Syatem Design Practice
BTech-IT,Sem VI**

Submitted By:

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Under the Guidance of
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DEPARTMENT OF INFORMATION TECHNOLOGY

**FACULTY OF TECHNOLOGY, DHARMSINH DESAI UNIVERSITY
COLLEGE ROAD, NADIAD- 387001
April,2021**

CANDIDATE'S DECLARATION

I/We declare that pre-final semester report entitled “Course Academy” is my /our own work conducted under the supervision of the guide Prof. Deepak C. Vegda.

I/We further declare that to the best of my/our knowledge the report for B.Tech. VI semester does not contain part of the work which has been submitted either in this or any other university without proper citation.

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NADIAD-387001, GUJARAT



CERTIFICATE

This is to certify that the project carried out in the subject of Software Design Project, entitled “**Course Academy**” and recorded in this report is a bonafede report of work of

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ACKNOWLEDGMENT

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It gives us an immense pleasure submitting this report towards the partial fulfillment of our academics. Success in any mission cannot be achieved single handedly. It is the team effort that sails the ship to shore.

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With sincere regards,
Paras Savaliya
Sarang Tandel

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ABSTRACT

- **Course Academy** fulfils 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.

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1 INTRODUCTION

1.1 Project Details: Broad specifications of the work entrusted to you.

Now a days E-Learning site are very useful for everyone. A **Course Academy** is an integrated set of interactive online services that provide trainers, learners, and others involved in education with information, tools and resources to support and enhance education delivery and management. A learning system based on formalised teaching but with the help of electronic resources is known as E-learning. This System Provide You Different Courses. You can apply for the course in which you are interested. In this system there are three entity admin, teacher, student. Admin can manage courses, users, update their profile. Teacher can upload the courses and documentation. And student can buy the courses, give the exam, and get certificate.

1.2 Purpose

Enhance the quality of learning and teaching. Meet the learning style or needs of students. Improve the efficiency and effectiveness. Improve user-accessibility and time flexibility to engage learners in the learning process.

Course Academy is any type of learning that takes place through or with a computer and is primarily facilitated through the Internet but can also be accomplished with CD-ROMs and DVDs, streaming audio or video and other media. The purpose of Course Academy is to allow people to learn for personal accomplishment or to earn a professional degree, without physically attending a traditional university or academic setting. Applied for all levels of schooling from grade school to graduate degrees, Course Academy is versatile enough to accommodate all learning styles.

1.3 Scope

During Current corona perios, authorities recommend not leaving our house unless it is strictly necessary, and people cannot visit public spaces. This has led to many schools being closed all over the world and, as an effective way to protect the education of student and young people, e learning is gaining popularity.

1.4 Objective (Scope – what it can do and can't do)

- The main objective of this project is student can learn course online by enrolling any course
 - User friendly system
 - Student can learn course online
 - Network connectivity is required

1.5 Technology and Literature Review

- Following technologies will be used for development/management/tracking activities....
- NodeJS For Server-Side Programming
 - 1) NodeJS for Server-side programming
 - 2) HTML,CSS,Bootstrap, Javascript, JQuery For Client-Side Programming, Designing
 - 3) Mongo dB Database System for Data Storage and Management

2 PROJECT MANAGEMENT

2.1 Feasibility Study

- The project, we are going to build for SDP, is a web application for the Online learning System, which can be used by many Students.
- Idea of the project is to learn student online rather than goes in college or school. In current corona situation there is benefit of this type of teaching.

2.1.1 Technical Feasibility

- For this problem, we are going to divide the work in between us, 2 persons.
- One for the frontend and One for the backend.
- In frontend side, we are going to use the basic HTML, CSS and JavaScript for the basic website structure. And for more attractiveness and look of the website, we are going to use Bootstrap and jQuery Frameworks.
- For Backend side, the web framework we are going to use which will handle the Database connectivity, User authentication, Session Management, Payment Gateway and some other tasks, is Nodejs framework.
- Due to lack of knowledge about Nodejs Framework, there will be some time taken for learning this. Expected time should be 3-4 weeks. We are also going to prepare database design alongside learning.
- For Frontend, how the JS Framework will work with the website structure is to be learned. And some advanced technique in CSS and JavaScript is also required. So, for that also, Expected learning duration should 3-4 weeks.
- Backend Database we are going to use for the initial phase Mongo dB

2.1.2 Time Schedule Feasibility

- For completion of the project on time, we are going to distribute the work of webapp.
- In the Initial Phases, various types of diagrams are going to be made. And after that, when the implementation phase arrives, the work of frontend and backend is going to be held parallelly to maintain Deadline.
- While learning these various technologies, we can start building the initial version of our web-app with that only, that can reduce the pressure from the implementation phase of the SDLC model.

2.1.3 Operational Feasibility

- The system will be used if it is developed well then be resistant from users that undermine the possible application benefits.
- Client Support:
 - Client and user support for the present system is there, as the current procedure used takes more time and effort than the proposed system.
 - It will help in the time saving and fast processing and dispersal of user request and application.

- New products will provide all the benefits of present system with better performance such as improved information, better management and collection of the reports.
- User Support:
 - User involvement in the building of the present system is sought to keep in mind the user specific requirement and needs.
 - Users will have control over their own information.

2.1.4 Implementation feasibility

- We will be working full WEB application for first time. So we need to learn the basic of Nodejs as well as the use of JavaScript libraries to create graphics and animation needs to be learned. And also we aware of Mongo dB.
- Since, we are well aware with basics of JS, HTML, CSS and as Bootstraps easy to understand our learning will take around 2 or 3 weeks and be completed before starting implementation.

2.2 Project Planning

2.2.1 Project Development Approach & Justification

For project development the Iterative waterfall model is used. It is a particular implementation of a software development life cycle that focuses on an initial, simplified implementation, which then progressively gains more complexity and a broader feature set until the final system is complete. In short, iterative development is a way of breaking down the software development of a large application into smaller pieces.

This model divides the cycle into the phases mentioned below:

- 1) Feasibility Study
- 2) Requirement analysis and specification
- 3) Design
- 4) Coding and unit testing
- 5) Integration and system testing
- 6) Maintenance

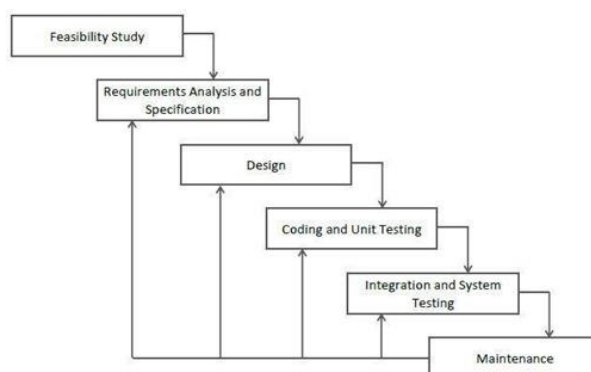


Fig 2.2.1 Project Development Approach

1. **Feasibility Study:** Doing research about the technology and other factors that affect the project development.
2. **Requirement Analysis:** Gathering the resources required for the developing the project and the estimate of the process of moving forward with the application development.
3. **Design:** Make the database architecture and design the UI of the application.
4. **Coding and Unit Testing:** Write the code for different functionalities and test them individually and solve the bugs if present.
5. **Testing:** Integrating the whole application and doing various tests on it to catch any errors and bugs.
6. **Maintain:** After release the application for use to other users give required maintenance.

2.2.2 Project plan

- In managing any project the whole plan of the project is made before its actual implementation. The plan of the project helps team to work as per the schedule and helps to successfully complete the project. To plan a project the main requirements that are calculated are cost, duration, effort, scheduling, manpower, resource allocation, risk management etc. The plan of our project is as follows:
 1. Gather the definition.
 2. Check whether the definition is feasible or not in given deadline.
 3. Requirement gathering.
 4. Analysis on gathered requirements.
 5. Designing.
 6. Coding and Unit Testing.
 7. Integration and System Testing.
 8. Deployment

2.2.3 Roles and Responsibilities

Name	Analysis	Design	Coding	Testing	Documentation	Maintenance
Paras Savaliya	✓	✓	✓	✓	✓	
Sarang Tandel	✓	✓	✓	✓		✓

2.3 Project Scheduling

Scheduling the project tasks is an important project planning activity. It involves deciding which task should be taken up and when. In order to schedule the project activities; a software project manager needs to do the following:

- Identify all the tasks needed to complete the project.
- Break down large tasks into smaller activities.
- Determine dependencies among different activities
- Establish most likely estimates for the time duration necessary to complete the activities.

3.0 SYSTEM REQUIREMENT STUDY

3.1 Study of Current System

- The current applications contain some of these features. They are exploratory in nature. They are provided to the users as per the interests. Students have used such applications and benefitted by it.

3.2 Problems and Weaknesses of Current System

- The Websites available are not up to the mark. They may contain only some sections mentioned above. Not all sections are available in a single website. Some of the available website are not user friendly, as well as they require more furnishing of the UI. The main purpose of them is exploration and less emphasis are given on educational components.

3.3 User Characteristics (Type of users who is dealing with the system)

- Any student who interest in studying online is dealing with this system.

3.4 Hardware and Software Requirements(Minimum requirements to run your system)

Software:

- 1) Visual Code Studio
- 2) Browser
- 3) POSTMAN
- 4) NPM Installer

Hardware:

- 1) Computer with Min 2 GB RAM
- 2) Processor: i5 or above
- 3) Generation: 5th or above
- 4) Storage: 512 GB SSD / 1 TB HDD

3.5 Constraints

3.5.1 Hardware Limitations

- There is only one limitation of this application, that is it will work only web based system.

3.5.2 Interfaces to Other Applications

- There are no other systems that use this application as an interface.

3.5.3 Reliability Requirements

- The application does demand much reliability and it is fully assured that the particular information about the users should be secured and flow is maintained and accessed according to the rights.

3.5.4 Criticality of the Application

- Website does not work properly if network connect is low

3.6 Assumptions and Dependencies

1. User has sufficient privileges to access internet.
2. Server is running smoothly.
3. Database updates are giving expected and accurate results.

4.0 SYSTEM ANALYSIS

4.1 Requirements of New System (SRS)

- **Functional Requirements**

R.1 Admin

R.1.1 Login

Description: Admin can login.

I/p: Admin Can login

O/p: Take to Admin Page

R.1.2 Manage Courses

Description: Admin can manage course. He can add or remove any course.

I/p: Add or remove Course

O/p: It will Add or delete.

R.1.3 View students

Description: Admin can see all users.

I/p: It can View users

O/p: Show user ,user's details

R.1.4 Certificate

Description: Admin can give certificate after completion of course.

I/p: Give certificate

O/p: Provide Certificate

R.2 Teacher

R.2.1 Register

Description: Teacher can register their profile by giving email and phone number.

I/p: They have to register ,Give email and phone number

O/p: Set user name ,Password, and get verification code and verify the account.

R.2.2 Login

Description: After register they can login.

I/p: Enter user name, password

O/p: If user name and password is correct they can go to Workplace.

R.2.3 Upload Course

Description: Teacher can upload courses

I/p: Upload their Course

R.2.4 View Course

Description: He/She can see all courses uploaded by teacher.

I/p: Check Course

O/p: It will Show all course uploaded by that user.

R.2.5 View User

Description: Teacher can see all student

I/p: View User

O/p: It will show number of buyer of that course.

R.2.6 Questionpaper

Description: They can take exam.

I/p: Upload Questionpaper for exam.

R.3 Student

R.3.1 Register

Description: Student can register their profile by giving email and phone number.

I/p: They have to register ,Give email and phone number

O/p: Set user name ,Password, and get verification code and verify the account.

R.3.2 Login

Description: After registering they can do login.

I/p: Enter user name, password

O/p: If user name and password is correct they can go to Workplace.

R.3.3 View Course

Description: Student can see all courses which can purchased by him.

I/p: View Course

O/p: View course which he had buy.

R.3.4 Check Profile

Description: Student can see their profile.

I/p: Check their profile

O/p: They can check their profile, see the total course.

R.3.5 Give exam

Description: After watching video they have to give exam.

I/p: After Completing the course there will be online exam

O/p: View exam

R.3.6 Achieve Certificate

Description: After giving exam they can take certificate.

I/p: Give Certificate

O/p: After Completing the course They will get Certificate.

R.3.6 Feedback

Description: Student can give rating.

I/p: Give feedback and rating.

- **Non-Functional Requirements**

- **Performance Requirements**

1. The database shall be able to accommodate a minimum of 3,000 records of students
2. The software shall support use of multiple users at a time. There are no other specific performance requirements that will affect development.

- **Safety Requirement**

1. The database may get crashed at any certain time due to virus or operating system failure. Therefore, it is required to take the database backup.

- **Security Requirement**

1. Some of the factors that are identified to protect the software from accidental or malicious access, use, modification, destruction, or disclosure are described below.
 - Keep specific log or history data sets
 - Assign certain functions to different modules.
 - Restrict communications between some areas of the program
 - Communication needs to be restricted when the application is validating the user or license. For example, using https.

- **Software Quality Attributes**

1. The Quality of the System is maintained in such a way so that it can be very user friendly to all the users.
2. The software quality attributes are assumed as under:
 - Accurate and hence reliable
 - Secured
 - Fast speed
 - Compatibility

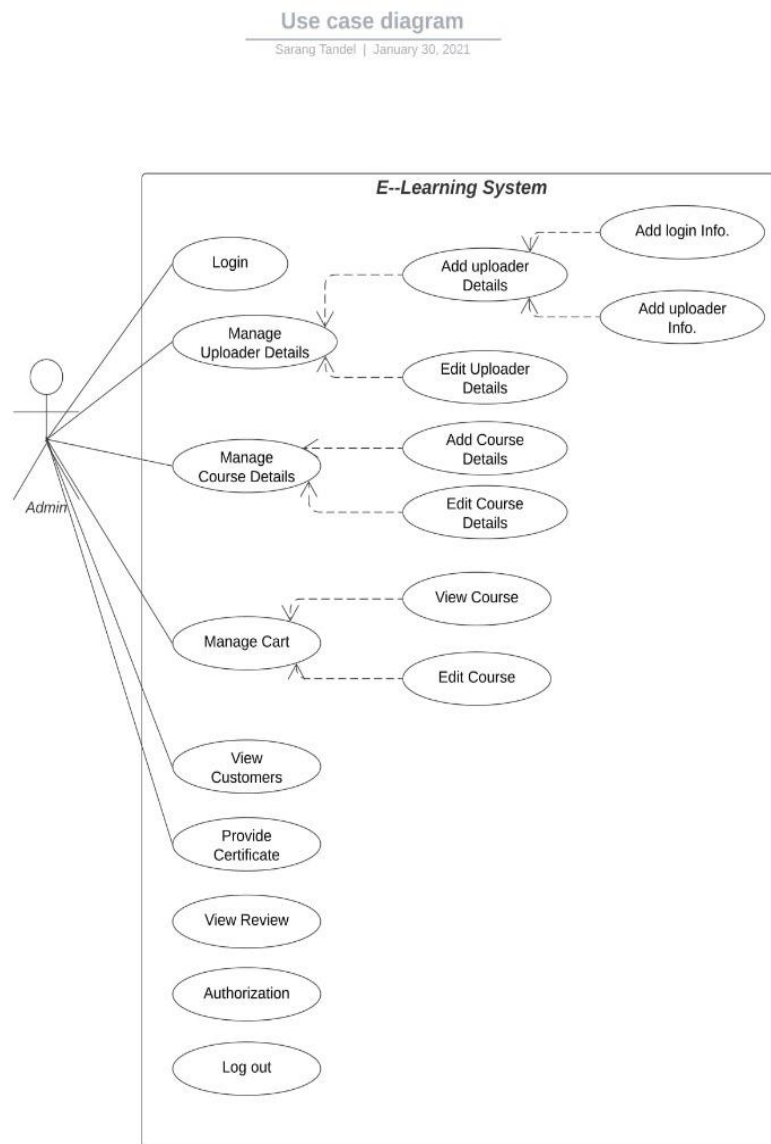
- **Mention Ambiguity, In-consistency & In-complete requirement in Proj. Overview Def for each one.**

Data need to be entered properly otherwise; outcome may won't be accurate.

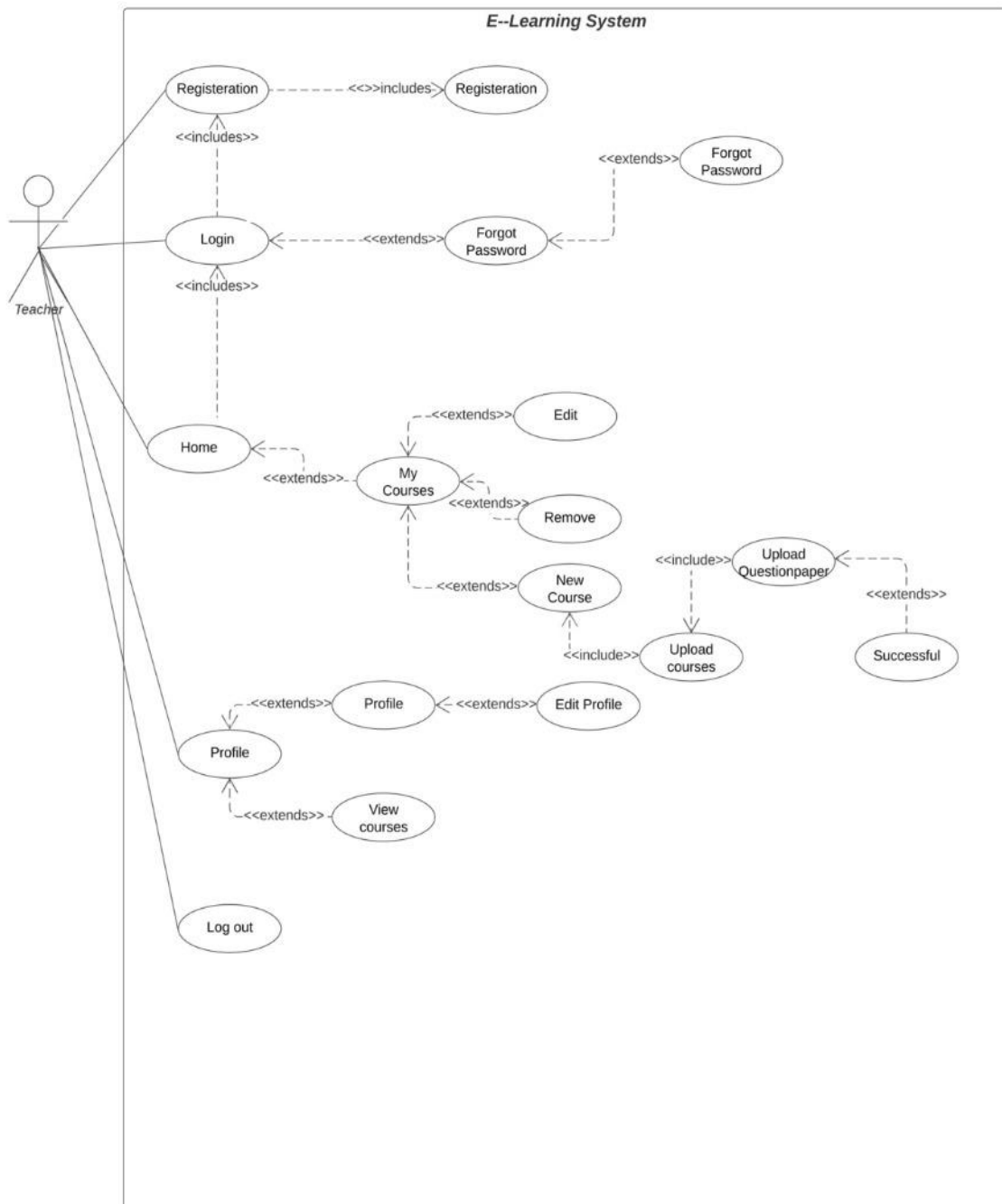
5.0 SYSTEM DESIGN

5.1 Use Case Diagram

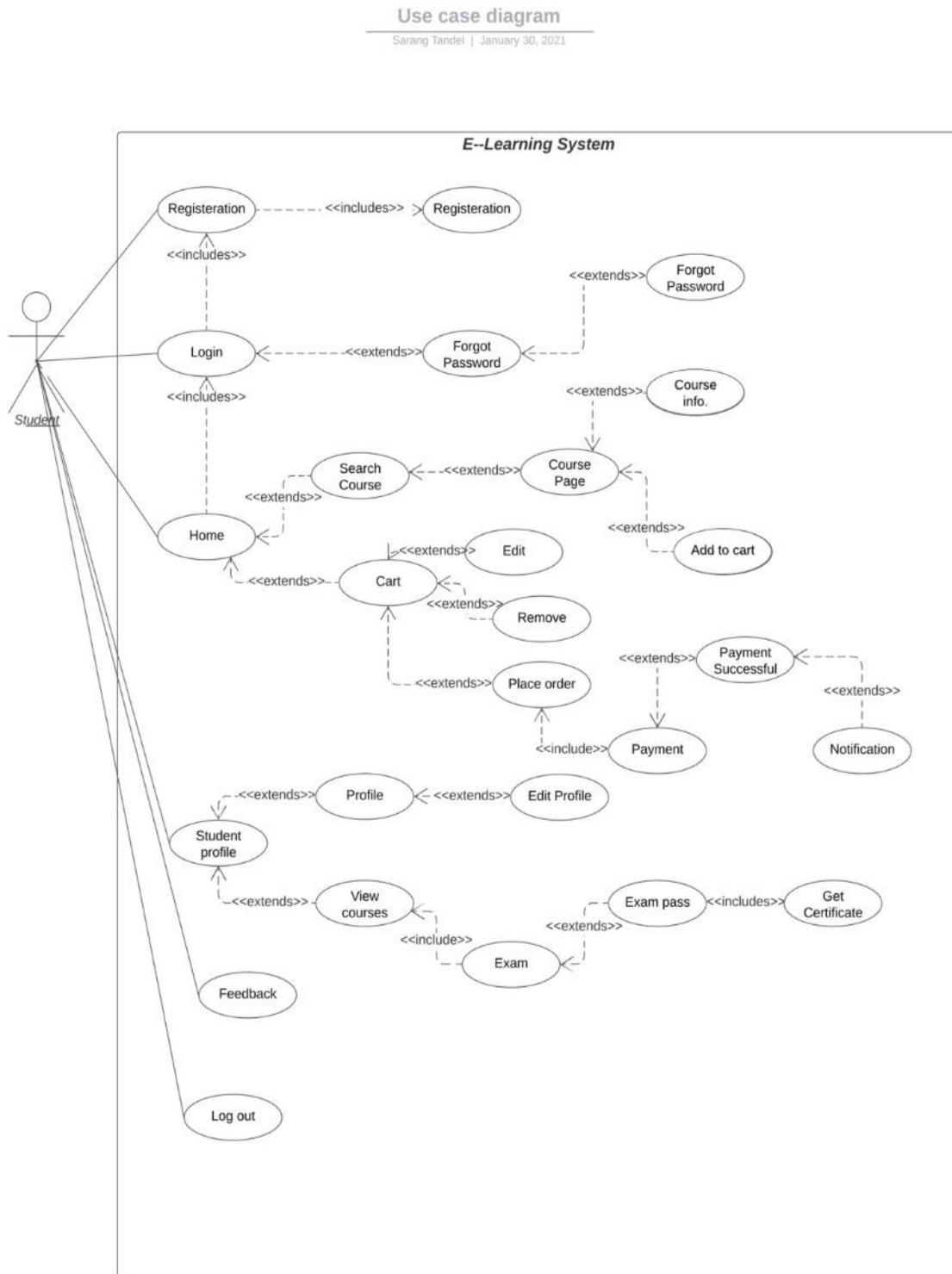
1)Admin Use-case



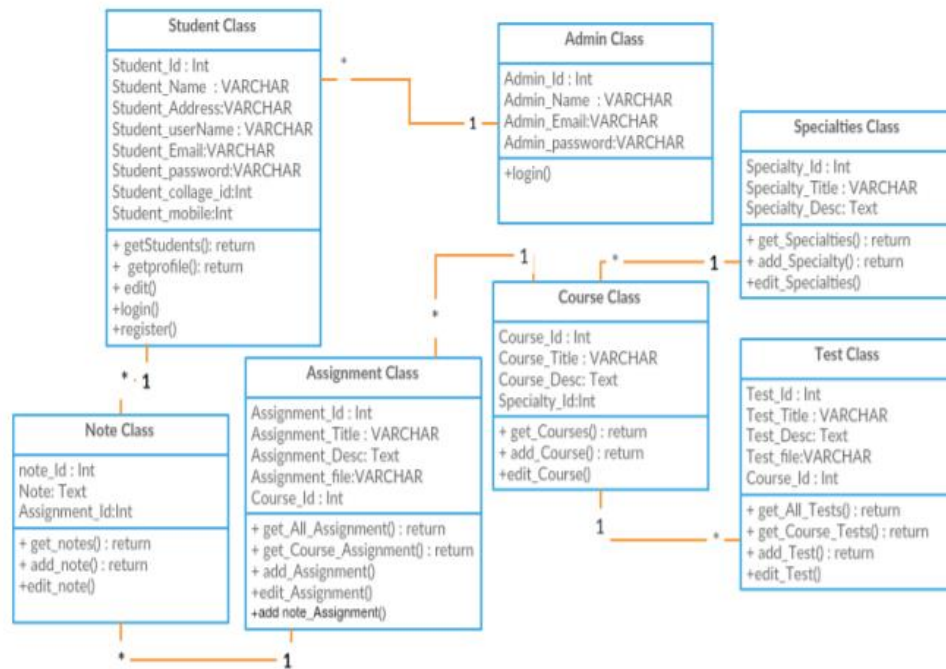
2)Teacher Use-case



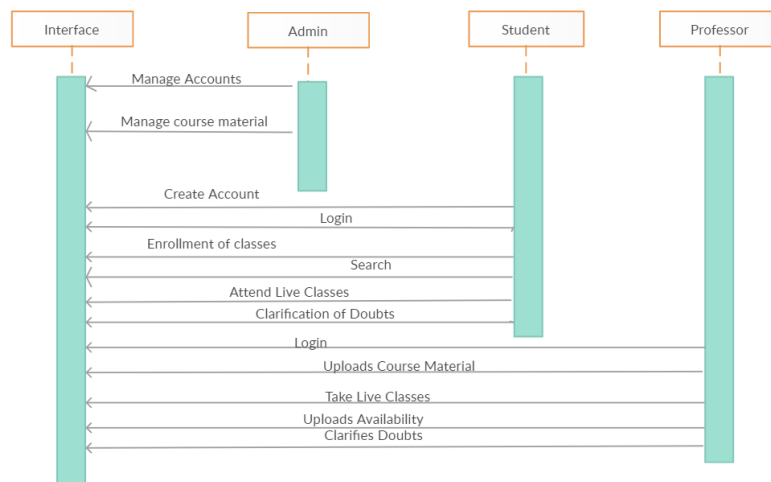
3) Student use-case



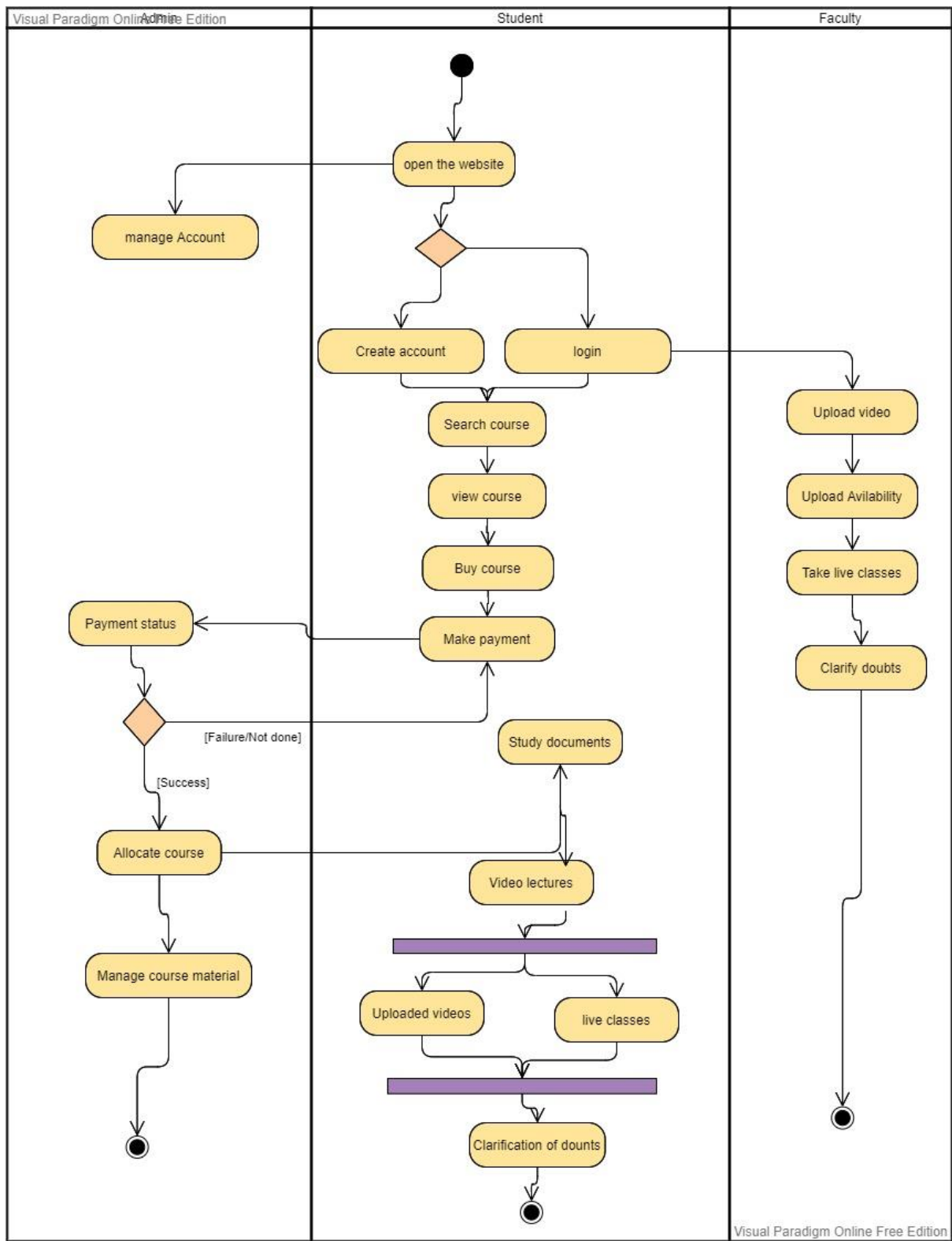
5.2 Class Diagram



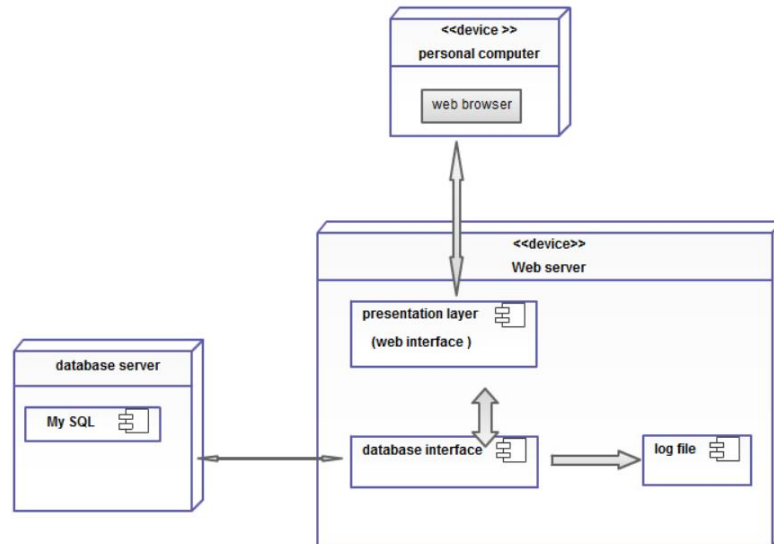
5.4 Sequence Diagram



5.4 Activity Diagram



5.5 Deployment Diagram



6.0 Implementation Planning

6.1 Implementation Environment (Single vs Multiuser, GUI vs Non GUI)

- The application is a single user system with GUI. For the implementation of the project, we will need following as basic platforms and tools:
 1. Web browser: To run Course Academy website
 2. Visual Studio Code: It is a streamlined code editor with support for development operations like debugging, task running, and version control. It aims to provide just the tools a developer needs for a quick code-build-debug cycle
 3. MongoDB: To store database

6.2 Program/Modules Specification

The following Modules are implemented:

- Admin
 - View / Edit Profile
 - Manage course details
 - See all Teacher
 - Add/View/Edit Student
- Teacher
 - View / Edit Profile
 - Add courses
 - Take exam
- Student
 - View / Edit Profile
 - See course
 - See videos
 - Give exam
 - Take certificate

6.3 Coding Standards

To make the system coding easy, easy to remember and reducing the chances of errors some techniques are used at the time of coding of the application which is called coding standard. The coding standard which we adopted during the coding is explained as follows:

- Each nested block should be properly indented and spaced.
- The code should be properly commented for understanding easily.
Comments regarding the statements increase the understandability of the code.
- Better to avoid use of digits in variable names.
- The names of the function should be written in camel case starting with small letters.
- The name of the function must describe the reason of using the function clearly and briefly.

7.0 Testing

7.1 Testing Plan

What is 'Software Testing'?

Software testing is the process of testing the functionality and correctness of software. Software testing is defined as an activity to check whether the actual results match the expected results and to ensure that the software system is defect free.

7.2 Testing Strategy

The development process repeats this testing subprocess a number of times for the following phases.

a) Unit Testing.

In this each module is tested individually. Criteria selected for identifying unit test module is to identify module that has core functionality implementation. Module could be an individual or procedure. The following is a list of functions for unit testing that will be tested:

- Select the dataset.
- Apply Pre-processing.
- Build Individual model.
- Train classification model.
- Test classification model.

b) Integration Testing

Integration testing integrates individual modules and tested as a group. Integration testing takes as its input modules that have been unit tested, groups them in larger aggregates, applies tests defined in an integration test plan to those aggregates, and delivers as its output the integrated system for testing.

7.3 Testing Methods

Black Box and White Box Testing:

In black-box testing a software item is viewed as a black box, without knowledge of its internal structure or behavior. Possible input conditions, based on the specifications (and possible sequences of input conditions), are presented as test cases.

In white-box testing knowledge of internal structure and logic is exploited. Test cases are presented such that possible paths of control flow through the software item are traced. Hence more defects than black-box testing are likely to be found.

Out of the 2 methods for testing, black box testing and white box testing, we would be using the white box testing as we are well aware of the internal

functionalities of our application unlike in the black box testing, where we require a 3rd party to test our cases and the internal details are hidden from him.

7.4 Test Cases

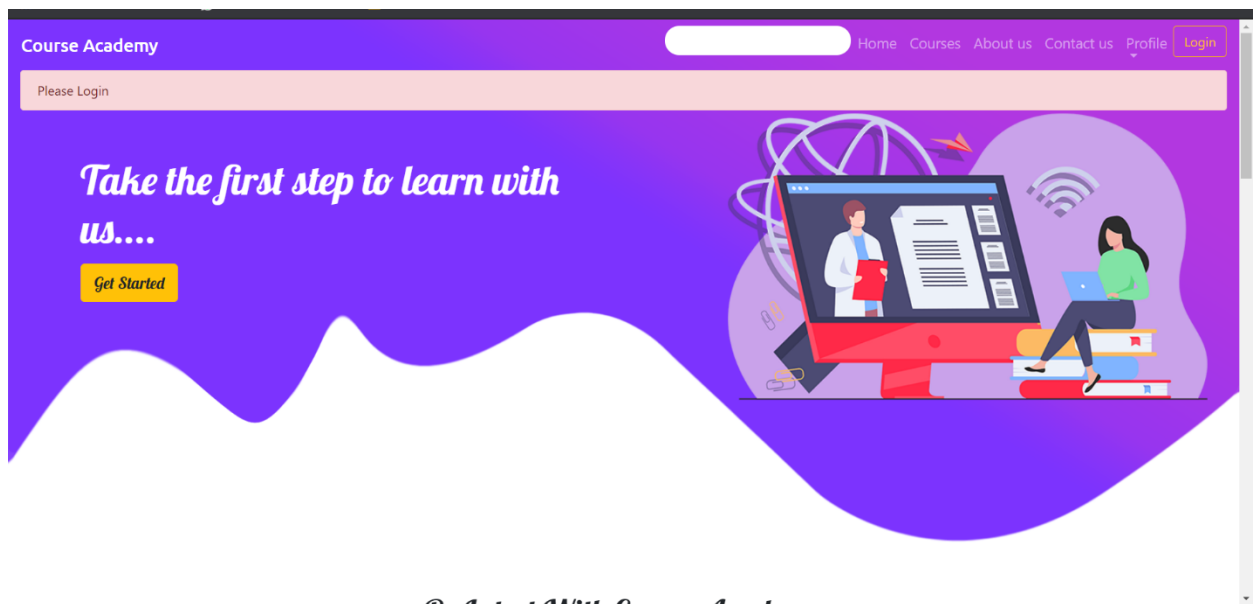
Sr. No.	Purpose	Input	State	Expected Output	Actual Output	Test Result
1	Student Login	Registered Email, Correct Password, Submit	Logout	Success	Success	Pass
2	Student Login	Unregistered Email, Password	Logout	Incorrect username!!	Incorrect username!!	Pass
3	Student Register	First name, Last name, Email, Password, Phone number	New User	Success	Success	Pass
4	Student Register	Empty Email, Submit	New User	Failure	Failure	Pass
5	Search course	Click on search button	Logged in	Show course	Show course	Pass
6	View Courses	View courses	Logged In	Success	Success	Pass
7	Purchase course	Click on buy now	Logged in	Show payment page	Show payment page	Pass
8	Payment	Give details of debit card	Logged in	Payment success	Payment success	Pass
9	Payment	Give details of debit card	Logged in	Payment success	Payment fail	Pass
10	See videos	Watch videos	Logged In	Show video	Show video	Pass
11	Give exam	Click on give exam	Logged In	Show exam	Show exam	Pass

12	Take certificate	Click on buy certificate	Logged in	Show certificate	Show certificate	Pass
13	Write feedback	Click on give feedback	Logged in	Write feedback	Write feedback	Pass
14	Give rating	Click on give rating	Logged in	Give rating	Give rating	Pass

8.0 USER MANUAL

• Student section

1) If user can try purchase course without login user get error of this type.



➤ Student can register by giving email , password and phone number

 The screenshot shows the 'Create an Account' form. The form has a title 'Create an Account' and five input fields: First Name, Last Name, Email, Phone Number, and Password. Below the Password field are two radio buttons labeled 'Student' and 'Teacher'. At the bottom of the form is a blue 'Create Account' button.

 The screenshot shows the 'Create an Account' form with the following filled values: First Name: Paras, Last Name: Savaliya, Email: paras2@gmail.com, Phone Number: 1234567890, and Password: *****. The 'Student' radio button is selected. The 'Create Account' button is at the bottom.

- After register student can login by giving email and password

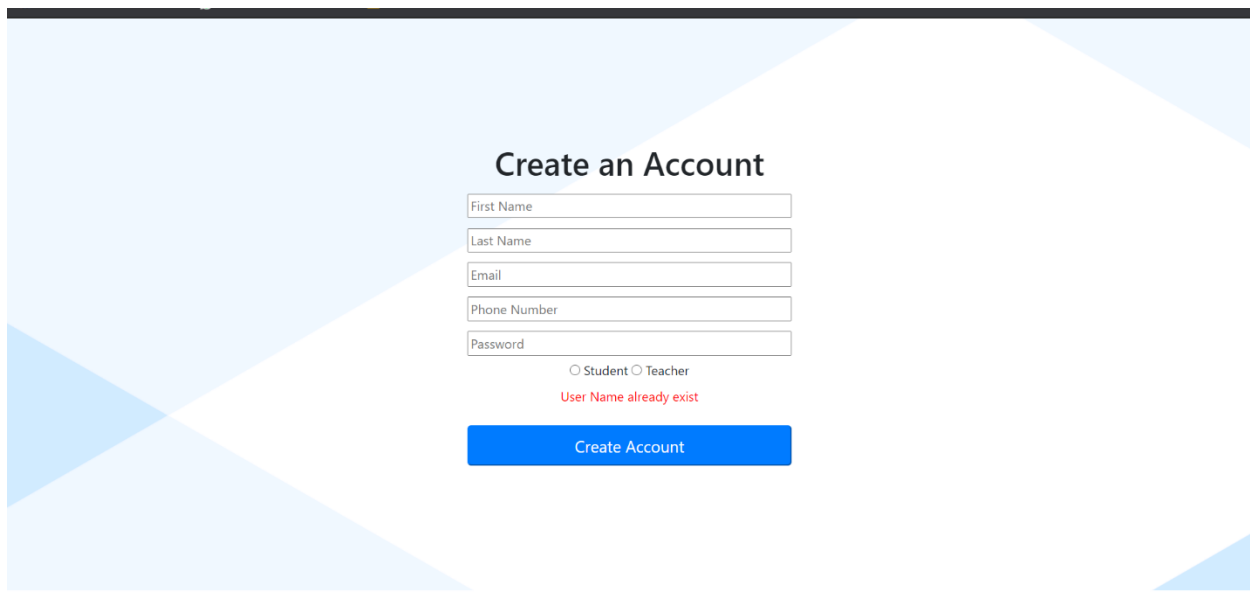
The screenshot shows a login page titled "Login to The Account". It features two input fields: the first contains the email "paras2@gmail.com" and the second contains a masked password "*****". To the right of the password field is a blue link "forgot Password?". Below the inputs, the "Login As :" section has two radio buttons: "Student" (which is selected) and "Teacher". At the bottom, there are two blue buttons: "Log in" and "Sign up". The "Need an Account ?" text is positioned above the "Sign up" button.

- If password or Username is incorrect then get this type of msg

This screenshot shows the same login page, but with an error message. The "Email" field is empty, and the "Password" field contains a masked password. A red error message "incorrect password!!" is displayed below the password field. The "forgot Password?" link remains. The "Login As :" section shows "Student" selected. The "Log in" and "Sign up" buttons are still present, with "Need an Account ?" text above the "Sign up" button.

This screenshot shows the login page with an error message for an incorrect username. The "Email" field is empty, and the "Password" field contains a masked password. A red error message "incorrect username!!" is displayed below the password field. The "forgot Password?" link is present. The "Login As :" section shows "Student" selected. The "Log in" and "Sign up" buttons are still present, with "Need an Account ?" text above the "Sign up" button.

- If already student have an account but still student try to register then student get notification of this type



The screenshot shows a web form titled "Create an Account" centered on a light blue and white geometric background. The form contains five input fields: "First Name", "Last Name", "Email", "Phone Number", and "Password". Below these fields are two radio buttons labeled "Student" and "Teacher", with the "Student" option selected. A red error message, "User Name already exist", is displayed below the radio buttons. At the bottom of the form is a blue button labeled "Create Account".

Create an Account

First Name

Last Name

Email

Phone Number

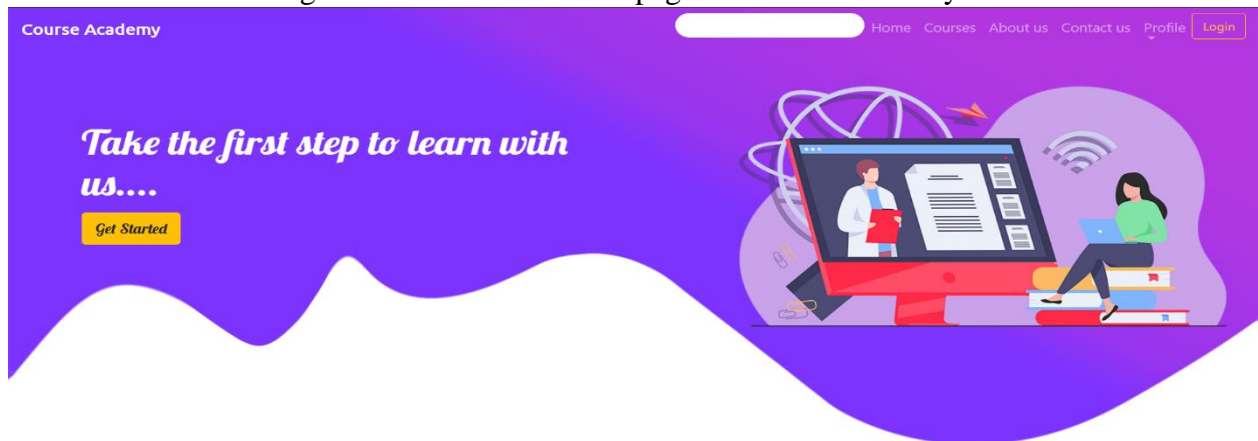
Password

☒ Student ☐ Teacher

User Name already exist

Create Account

- After login Student can see home page of Course Academy website



Be Latest With Course Academy



Learn the latest skill

like python, java, machine learning, AWS, Ethical Hacking, and more

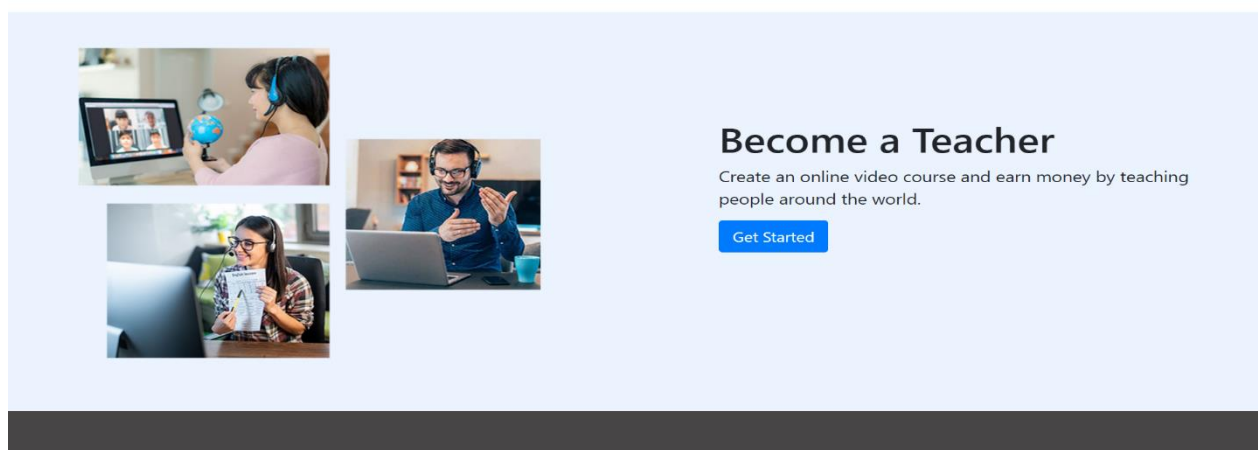
Get Certificate

from a leading university in business, computer science, and more

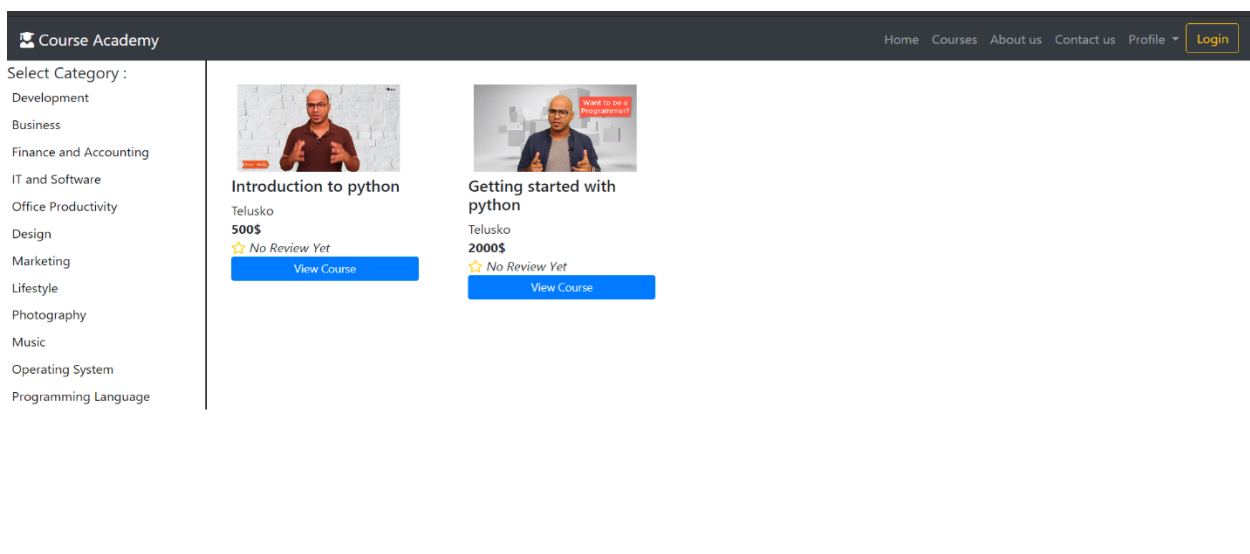
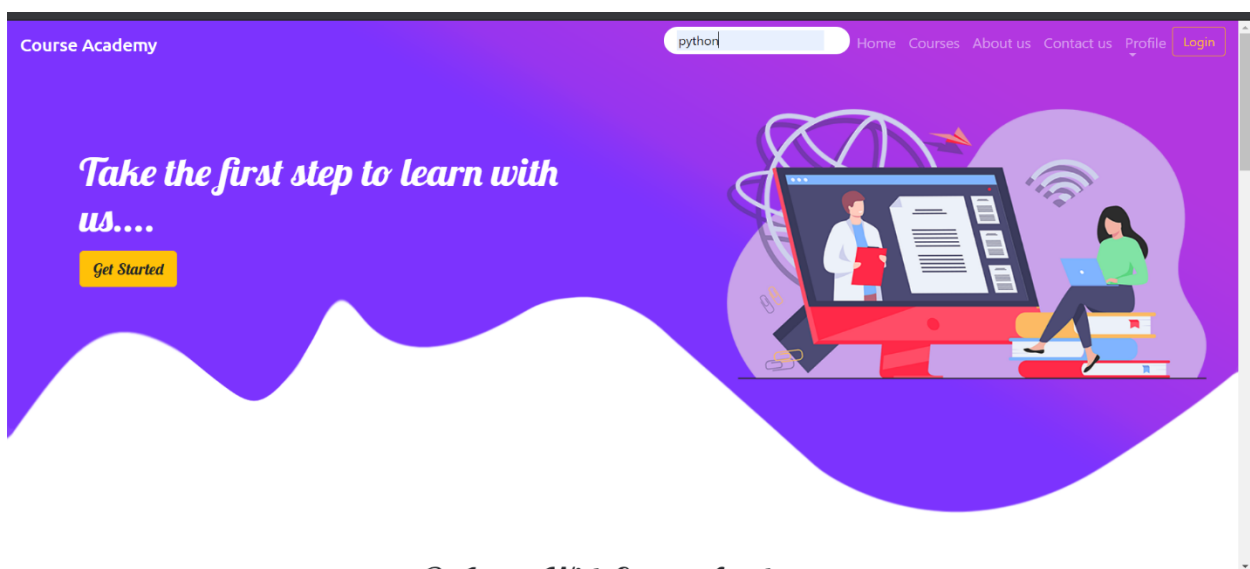
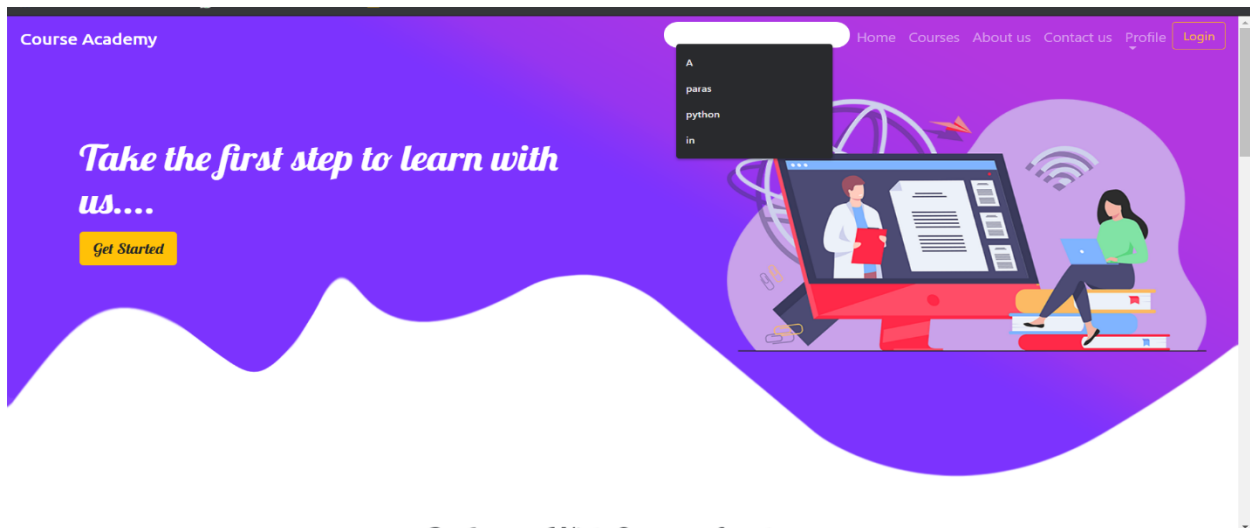


Attend live lectures

in high-demand fields like IT, AI and cloud engineering



- Student can also search course and it will show all it's related courses



➤ We can also see all the courses by category wise.

- Here is all Programming Language courses.

The screenshot shows the 'Course Academy' website. On the left is a sidebar with 'Select Category:' and a list of categories: Development, Business, Finance and Accounting, IT and Software, Office Productivity, Design, Marketing, Lifestyle, Photography, Music, Operating System, and Programming Language. The main area displays four course cards:

- First program in java** by Saurabh shukla, priced at 1000\$, with 'No Review Yet' and a 'View Course' button.
- Introduction to python** by Telusko, priced at 500\$, with 'No Review Yet' and a 'View Course' button.
- Introduction to DSA** by Saurabh shukla, priced at 700\$, with 'No Review Yet' and a 'View Course' button.
- Getting started with python** by Telusko, priced at 2000\$, with 'No Review Yet' and a 'View Course' button.

- If we click on any course then it will show like this.
- If we not buy course then it will not show content, exam and certificate..

The screenshot shows the course page for 'Introduction to python' by Telusko. On the left, there is a video player showing the instructor, the price '\$500', and buttons for 'Buy now' and 'Add to Cart'. On the right, the course title is repeated, followed by 'Created By: Telusko', '3 Video Lectures', and a star rating section showing five empty stars and the text 'No review yet'.

Course content :

	Introduction to python
	Variable in python
	If else in python

Customer Review :

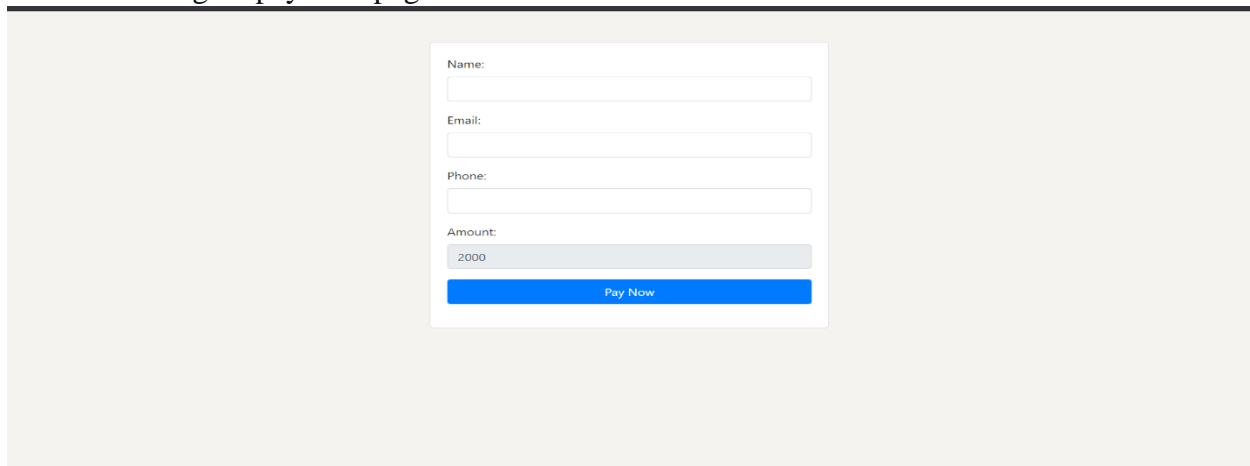
Rate This Course:



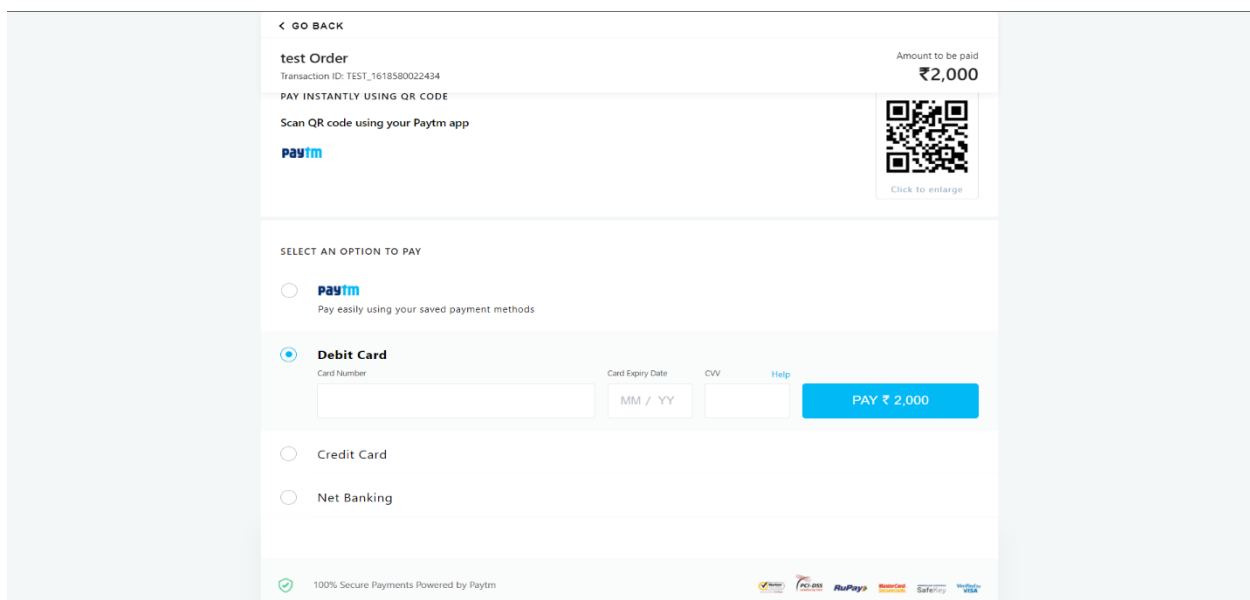
Submit

- If we click on buy now then it will show payment page.

- Amount will be detect automatically.
- After succesfull payment it will show course page and if payment is failed then it will show again payment page.

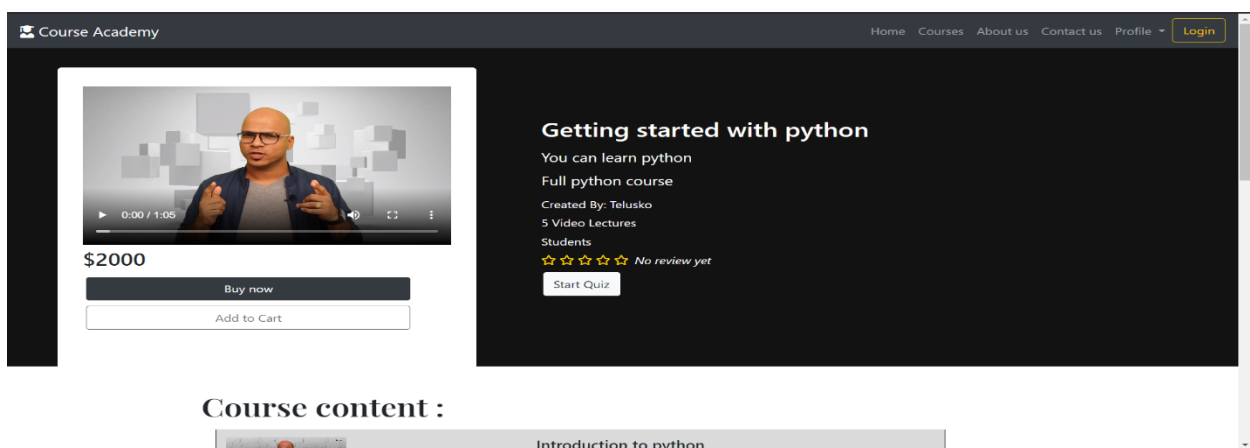


A payment form with the following fields: Name, Email, Phone, and Amount. The Amount field is pre-filled with 2000. A blue 'Pay Now' button is at the bottom.



A payment confirmation page from Paytm. It shows a 'test Order' with Transaction ID: TEST_1618580022434. The amount to be paid is ₹2,000. A QR code is displayed for scanning. Below the QR code, there are options to 'SELECT AN OPTION TO PAY': Paytm, Debit Card, Credit Card, and Net Banking. The Debit Card option is selected. A 'PAY ₹ 2,000' button is visible. At the bottom, it says '100% Secure Payments Powered by Paytm' and lists various payment partners.

- After successful payment student can give exam.



The Course Academy interface shows a video player on the left with a thumbnail of a man speaking. Below the video is a price tag of \$2000 and buttons for 'Buy now' and 'Add to Cart'. On the right, the course title 'Getting started with python' is displayed, along with details: 'You can learn python', 'Full python course', 'Created By: Telusko', '5 Video Lectures', and 'Students'. There are five stars for rating and a 'Start Quiz' button. At the bottom, a progress bar shows 'Introduction to python'.

- After giving an exam student can get certificate by clicking on get certificate.

The screenshot shows the Course Academy website. The header includes the logo 'Course Academy' and navigation links: Home, Courses, About us, Contact us, Profile, and a Login button. The main content area features a video player on the left with a thumbnail of a man speaking, a price tag of \$2000, and buttons for 'Buy now' and 'Add to Cart'. To the right of the video player, the course title 'Getting started with python' is displayed, followed by the text 'You can learn python', 'Full python course', 'Created By: Telusko', '5 Video Lectures', and 'Students'. Below this, there are five yellow stars and the text 'No review yet'. At the bottom of this section are two buttons: 'View Score' and 'Get Certificate'. Below the main content area, a section titled 'Course content :' shows a progress bar for 'Introduction to python'.

- After giving an exam if student click on view score student can see score of exam.

First Name	Paras
Last Name	Savaliya
Course Name	Getting started with python
Author	Telusko
Marks	0
Total Marks	15

- After giving an exam student can get certificate.
 - In this certificate name will be same as your Firstname and last name
- DDU (Faculty of Tech., Dept. of IT)

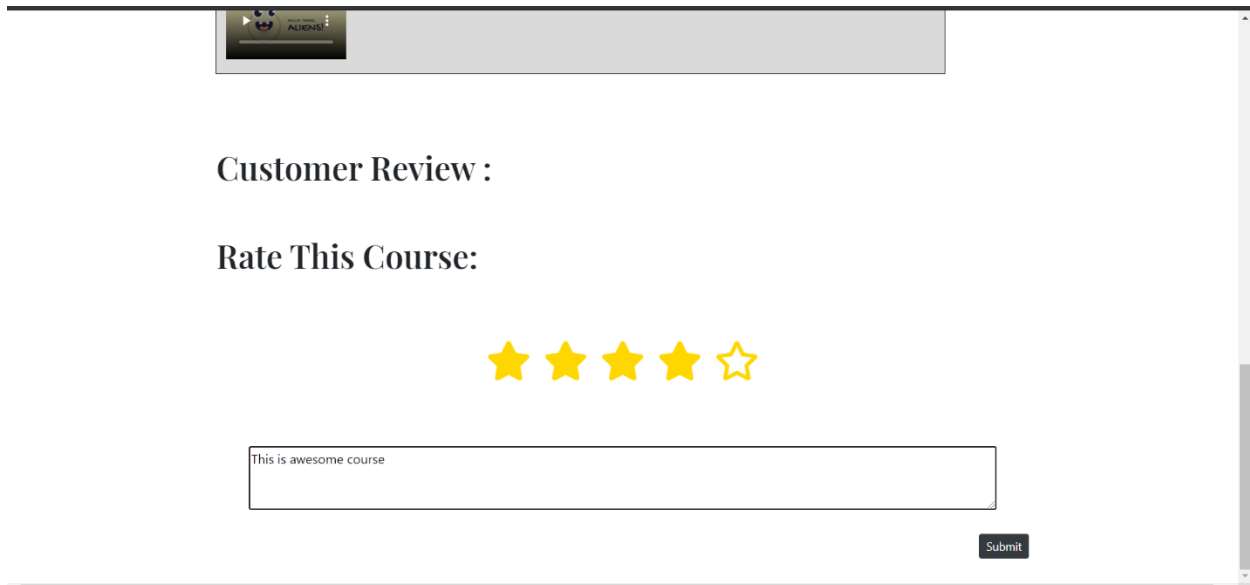
- In certificate there will also show total no of video lecture in course and also course will be shown which you haave cleared and date will be shown when you have clear course.



- After getting certificate student can also give rating and give feedback as per course.

A screenshot of a web form for customer review. At the top, there is a video player showing a course thumbnail. Below it, the text 'Customer Review :' is followed by 'Rate This Course:'. Underneath, there are five yellow stars for rating. Below the stars is a text input field for feedback. At the bottom right, there is a 'Submit' button.

- After giving rating and feedback it will look like this.




Customer Review :

Rate This Course:

★★★★★

- After giving rating and feedback student can also see their rating and feedback.



Customer Review :

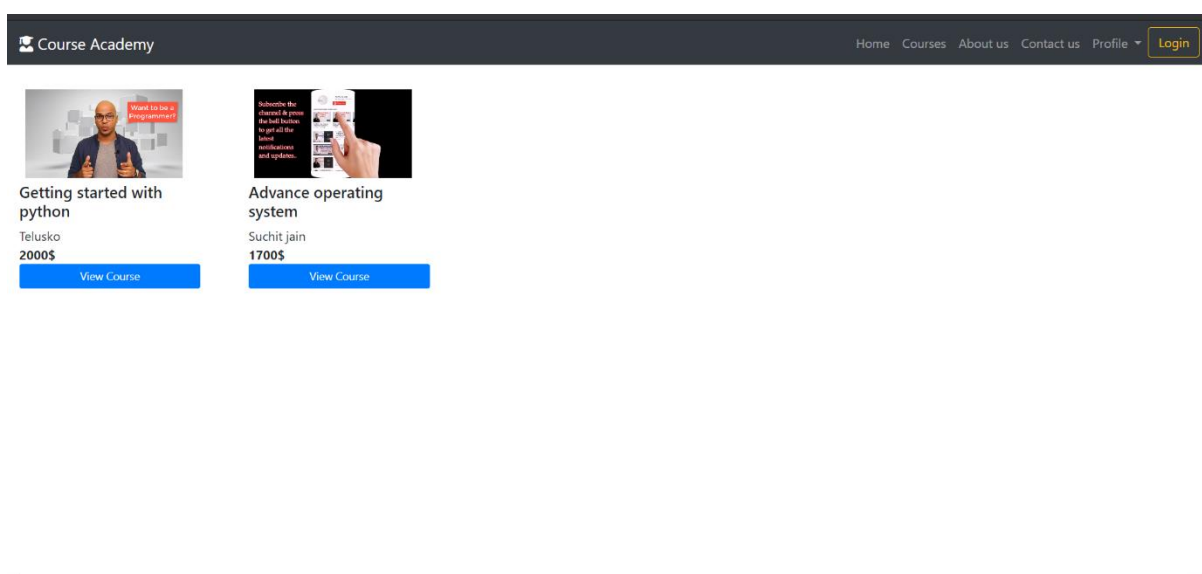
Rate This Course:

★★★★★


Customer Review :

Paras Savaliya
★★★★★
This is awesome course


- Student can also see howmany courses student have purchase in my cart



Course Academy Home Courses About us Contact us Profile



Getting started with python
Telusko
2000\$



Advance operating system
Suchit jain
1700\$

• Teacher section

- Login,signup module is same as student section shown earlier
- After login Teacher's Home page look like this.

Course Academy Home Upload Courses About us Contact us Profile Login

Make a global impact....

Create an online video course and earn money by teaching people around the world.

[Become A Teacher](#)

Discover your potential

Earn Money

Earn money every time a student purchases your course. Get paid monthly through PayPal or Payoneer, it's your choice.

Inspire Student

Help people learn new skills, advance their careers, and explore their hobbies by sharing your knowledge.

Join our community

Take advantage of our active community of instructors to help you through your course creation process.

To Upload course

Plan Your Course

You start with your passion and knowledge. Then choose a topic and plan your lectures in Google Docs, Microsoft Excel, or your favorite notebook.

Record your video

Lights, camera, action! Got a smartphone or a DSLR? Add a microphone and you're ready to film your first course from your home or wherever you happen to be.

Upload your Course

Create quizzes, exercises, and assignments to build interactivity. Upload your courses and earn Money

We're here to help

Our Support team is here for you 24/7 to assist with your course creation needs. Use our Teaching Center, a resource center to help you through the process. Join Studio U and get peer to peer support from our entire instructor community. This community group is always on, always there, and always helpful.

Join the world's online learning marketplace.

[Get Started](#)

Instagram Twitter Facebook LinkedIn YouTube

- By clicking on upload course teacher will move to upload course page.

Course Title

Course Sub-title

Author-name

Course Description

Price

Title video

Choose File No file chosen

Select Category: Development

Upload videos

Course Title

Advance operating system

Course Sub-title

operating system

Author-name

Suchit Jain

Course Description

You can learn full operating system

Price

1700

Title video

Choose File Part 1.1 - OperatingSystem- DefinitionofOS- NeedofOperatingSystem in HINDI (480 X 854).mp4

Select Category: Operating System

Upload videos

- After uploading title video you can upload more than one video and by clicking on finish video it will stop uploading otherwise you can upload more videos.

Video Title Goals of os

upload videos

Choose File Part 1.2 - GoalsofOperatingSystem- FunctionsofOperatingSystem- IntroductiontoOperatingSystem in Hindi (480 X 854).mp4

Finish Videos ☐ Upload videos

- After uploading video it will move to course page
- DDU (Faculty of Tech., Dept. of IT)

The screenshot shows the Course Academy website. The header includes the logo, navigation links (Home, Courses, About us, Contact us, Profile), and a Login button. The main content area features a video player for a course titled "Advance operating system". The video player shows a thumbnail of a document and a progress bar at 0:00 / 14:38. Below the video player, the price is listed as \$1700, with buttons for "Buy now" and "Add to Cart". To the right of the video player, the course details are displayed: "Advance operating system", "You can learn full operating system operating system", "Created By: Suchit jain", "3 Video Lectures", "0 Students", and a rating of 5 stars with the text "No review yet". Below the rating are buttons for "Add Exam" and "View Quiz". Below the course details, the "Course content :" section is visible, showing a list of topics with a tab labeled "Definition of os".

- After uploading video teacher can also add quiz by clicking on addexam and it will look like these.

The screenshot shows the quiz creation form. It has a light blue background. At the top, there are input fields for "Form Title" and "Form Description". Below these, there is a section for adding questions. It includes a "Q. Question" label, a radio button for "Option", and an "Answer" input field. To the right of the question input, there are "Marks" and "Marks" labels, with a small "x" icon. Below the question input, there is an "Add Option" button with a plus icon. At the bottom of the form, there are two buttons: "Add Question" and "submit".

- After uploading quiz teacher can view quiz by clicking view quz.

Getting started with python

Q. print("Hello")

5 Marks

- ☐ Hello
☐ Hii
☐ "Hello"
☐ None of these

Q. nums=[10,20,50,40,30] print(nums[4])

5 Marks

- ☐ [10,20,40,50,30]
☐ 30
☐ [30]
☐ None of these

Q. print(list(range(0,5,2)))

5 Marks

- ☐ [0,2,4]
☐ [0,2,4,6]
☐ 0,2,4
☐ All of these

Submit

- Teacher can also see student rating and feedback.

Customer Review :

Paras Savaliya



This is awesome course

Rate This Course:



Submit

9.0 Limitation and Future Enhancement

9.1 Limitation

1. Internet Connectivity is Mandatory.
2. Limited Modules.
3. Can't contact with teacher.
4. There is no documentation

9.2 Future Enhancement

- 9.2.1 Live Teaching
- 9.2.2 Upload documentation
- 9.2.3 Interact with teacher
- 9.2.4 Add notes in each video
- 9.2.5 Exam after particular module.

10.0 Conclusion and Discussion

E-learning is not just a change of technology. It is part of a redefinition of how we as a species transmit knowledge, skills, and values to younger generations of workers and students. This project has been implemented from what we have learned in our college curriculum and many rich resources from the web. The scope of this project is subjective to the type of web app that needs to be analysed, however, it was developed by keeping in mind the goal to keep the app as generic and minimal as possible.

11.0 References

<https://www.npmjs.com/>

<https://stackoverflow.com>

<http://www.mongodb.com/>

<https://nodejs.org/en/>

<https://www.youtube.com/>

<https://getbootstrap.com/>

<https://jquery.com/>

<https://undraw.co/illustrations/>

<https://www.w3schools.com/>