1. PROJECT STATEMENT
AND
DESCRIPTION

1.1 Technical Details: -

Project Title:	Scholar
Operating System:	Windows 11
Front-End:	HTML5, CSS3, Bootstrap, JavaScript
Back-End:	PHP, MYSQL
Memory:	8 GB
Hard-disk Space:	932 GB

1.2 Project Profile: -

Project Title:	**Scholar**
Front-End:	HTML5, CSS3, Bootstrap, JavaScript
Back-End:	PHP, MYSQL
Web Tool	Xampp, JavaScript, CSS, Bootstrap
Development Environment	Visual Studio Code
Project Duration	2 Months
Project Guide	Ms. Priyanshi Rana
Team Member	2

1.3 Project Definition: -

➢ In the last 20 years, the Internet has grown from being nearly non-existent into the largest, most accessible database of information ever created. It has changed the way people communicate, shop, socialise, do business and think about knowledge and learning. Much more than just a new twist on distance learning, online schooling is changing the face of traditional classrooms and making education more accessible than ever before.

➢ This project was widely used for education. Due to the situation of Corona, all the schools and colleges were closed, many students did classes online.

➢ Online education is a form of education where students use their home computers through the internet. For many non-traditional students, among them all those who want to continue working full time or raising families, online graduations and courses have become popular in the past decade. Often online graduation and course programmes, some of which are conducted using digital technologies, are provided via the online learning portal of the host university.

➢ Find the right instructor for you. Choose from many topics, skill levels, and languages. Shop thousands of high-quality on-demand online courses. Start learning today. Start learning today. Advance your career. Hone skills with practice.

➢ Scholar is a platform that allows instructors to build online courses on their preferred topics. Using Scholar's course development tools, instructors can upload videos, source code for developers, PowerPoint presentations, PDFs, audio, ZIP files and any other content that learners might find helpful. Instructors can also engage and interact with users via online discussion boards.

1.4 Organization Profile: -

➢ Smt Z.S. Patel College of Management And Technology made a humble beginning in 2009 in its journey of higher education with a view of provide quality education to build and shape the individuals who are relevant to the competitive world.

➢ Smt Z.S. Patel College of Management And Technology is a part of Vidhya Dhan Charitable Trust, the college affiliated to Veer Narmad South Gujarat University is one of the leading college imparting education at the University level. The institution is involved in various innovative programs apart from teaching regular curriculum. These programs are carefully designed to provide students a clear edge in placement or further education. The college has excelled in all disciplines, curricular, extracurricular and co-curricular activities.

1.5 Overview of Project: -

- Our experience guiding commercial development projects gives our clients a competitive advantage. Clients seek us out because we deliver the full range of services necessary to conceive, implement and complete significant projects.

- Among the projects we have handled are city center and urban redevelopment projects, multi - party air rights developments, office towers with parking and retail components, multi - phased mixed - use projects, mixed use resort properties and lifestyle center developments.

- 1.5 The real estate focuses on the purchase and sale of land, Apartments, Flats, Villa the client can Search the property, Upload property, contact us, and client can view the packages offered by our project.

- Planning is key to successful real estate and project development. Our experienced planning team supports our clients through all phases of a development project, from planning appraisals, applications and agreements, to enforcement, appeals, inquiries and challenges.

2. UNDERLYING PROCESS

OR

TECHNOLOGY

2.1 Hardware Software configuration: -

➤ Software Requirements: -

- ✓ **Server:** Apache Server, Xampp, MySQL
- ✓ **Client:** Microsoft Internet Explorer or later, Mozila Firefox or

    later, Google chrome.

➤ Hardware Requirements: -

- ✓ **Processor:** intel core i5 or above*
- ✓ **RAM:** 8 GB or above*
- ✓ **Hard Disk:** 932 GB or above*
- ✓ **System Type:** 64-bit Operating System

2.2 Tools and Technology Used: -

1. PHP: -

- ➢ PHP is a server-side scripting language for creating dynamic web pages.
- ➢ You create pages with PHP and HTML. When a visitor opens the pages, the server processes the PHP commands and then sends the results to the visitor's browser, just as with ASP or coldFunction. Unlike ASP or coldFunction, however, PHP is open source and cross-platform. PHP runs on windows NT and many Unix versions, and it can be built as an Apache module and as a binary that can run as a CGL.
- ➢ In addition to manipulating the content of your pages, PHP also send HTTP headers. You can set cookies, manage authentication, and redirect users. If offers excellent connectivity to many databases (and ODBS), and integration with various external libraries that let you do everything from generating PDF documents to parsing XML.

2) MySQLi: -

- ➢ **MySQL** is the old database driver, and **MySQLi** is the Improved driver. The "i" stands for "improved" so it is **MySQL** improved. **MySQLi** can be done procedural and object-oriented whereas **MySQL** can only be used procedurally.
- ➢ **MySQLi** also supports prepared statements which protect from SQL Injection.
- ➢ MySQLi is a fast, easy-to-use RDBMS being used for many small and big businesses.
- ➢ MySQLi Extension is developed, marketed, and supported by MySQL.
- ➢ MySQLi is released under an open-source license.
- ➢ So, you have nothing to pay to use it.

- ➢ MySQLi is a very powerful program in its own right.
- ➢ It handles a large subset of the functionality of the most expensive and powerful database packages.

3) HTML: -

- ➢ HTML stands for Hypertext Markup Language.
- ➢ HTML is the text markup language currently used on the world wide web.
- ➢ HTML developed by the Tim-Berners-Lee, a researcher at the consail European pour, Recherche Nuclear (CERN) laboratory in geneve, Switzerland since 1989.
- ➢ HTML is just one part of a larger process for building and delivering web pages.
- ➢ HTML can be used to structure documents, but I don't yet provide all the features necessary to make them.

4) JAVASCRIPT: -

- ➢ JavaScript lets you to create documents that run over the internet.
- ➢ Using JavaScript, you can create dynamic HTML pages that process user input and maintain persistent data using special objects, tiles and relational databases.
- ➢ You can build applications ranging from internal corporate information management and intranet publishing to mass-market electronic transactions and commerce.

5) Ajax: -

- ➢ Ajax shorthand for "Asynchronous JavaScript and XML", is a e\web development technique for creating Interactive web applications.

➢ The internet is to male web pages feel more responsive but exchanging small amounts of data with the server behind the scenes, so that entire web pages does not have to increase the web page's interactivity, speed and usability.

➢ **How Ajax works?**

➢ Instead of user request being made of the server via, for example a normal TTP POST or GET request, such as would be made by submitting a form of clicking a hyperlink, an Ajax script makes a request of server by using the JavaScript XMLHTTPREQUEST object.

➢ As when using JavaScript image object, we may dynamically change the URL of the image source without using a page refresh.

➢ XMLHTTPREQUEST retrieves information from the server in a similar invisible manner.

6) CSS: -

➢ **Cascading Style Sheets** is a style sheet language used for describing the look and formatting of a document written in a markup language.

➢ While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG and XUL.

➢ CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation.

➢ CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts.

7) JQuery: -

- ➢ JQuery is fast, small, and feature-rich JavaScript library.
- ➢ It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers.
- ➢ With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.
- ➢ JQuery is free, open-source software, licensed under the MIT License.
- ➢ jQuery's syntax is designed to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax applications.

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3. PROPOSED SYSTEM

PROPOSED SYSTEM: -

➢ The Proposed system which will allow the user to quickly and easily search a course for Buy and study.

➢ The system being an online system will give accurate information regarding the course which helps to view all the course information directly from anywhere.

➢ Proposed system is flexible and user friendly.

➢ Guidance for accessing the information site.

➢ Designing of site should be such that easy access of the information.

➢ If member avail the access of site they should register.

➢ Search option facility is provided for members to solve their queries.

➢ For avail services for selling and buying property, members should be able to access property detail.

➢ Member should be able to view overall course available on site.

3.1 Scope: -

➢ As of now we are supporting razor pay for payment gateway and in future we are supporting more vendors (ex. G-pay, Paytm, UPI, Phone Pay) …

➢ In this time our website only for use in some cities and in future our website uses all users across the India.

➢ In future our web site in study material also available.

➢ In this time some few people use my website and in future lacks of people use my website because our website is more scalable in future.

➢ In this time some few people use website so in performance take less time but in future this website use lacks of people but website don't take much time because performance and response time no changes.

➢ In future many latest features about study in add in our website.

➢ The system identifies various sources of course and accordingly provides information.

➢ A scholar classroom allows students to attend a class from the department and aims to provide a learning experience that is similar to a real classroom.

➢ **Through this project I have tried to automate the task of:**
   ✓ Category of Course
   ✓ Features of Course
   ✓ Details of Course
   ✓ Price Details
   ✓ Available course information
   ✓ Member id is generated automatically from the table by auto generation.
   ✓ Provide facility for entering the details like primary information, contact information and other information.

3.2 Aim And Objective: -

➢ Aim: -

- ➢ In this time our website only for use in some cities and in future our website uses all users across the India.
- ➢ In future many latest features about study in add in our website.
- ➢ In this time some few people use my website and in future lacks of people use my website because our website is more scalable in future.

➢ Objective: -

- ➢ This project is aimed at developing a web application that depicts online learning.
- ➢ This application helps student to find different type of courses of different material, videos and many more at a dynamic learning place.

3.3 Constraints: -

➢ The main limitation of the "SCHOLAR" is transaction for user can pay amount only via internet or UPI.

➢ The product can't be return.

➢ **There are few limitations in this web application which are following:**

    ✓ The need for extra training.

    ✓ Getting Lost in the Material.

    ✓ The need for extra training.

    ✓ One disadvantage of Scholar classroom is the fact some trainers and students are not confident using digital e Learning tools.

    ✓ Infrastructural challenges.

    ✓ Challenges related to infrastructure are considered as one of the main disadvantages of a Scholar classroom.

4. PRELIMINARY INVESTIGATION

4.1 Requirement Analysis: -

- ➢ After carefully analyzing the requirements and functionally of the web application, I had two important diagrams by the end of the analysis phase.

- ➢ They are the ER diagram and data flow diagram which were the basis for finding entities and relationships between them, the flow of information.

- ➢ To develop any online application, it is most important to identify the user requirements in very specific manner.

- ➢ Also, to function course, all interfaces of proposed system with surrounding system must be identified.

- ➢ The correct system is that satisfies all users requirements.

- ➢ Therefore, it is very important to analyze the existing system and to documents the web application requirements specifications for proposed system, which in turn provide the base for development of proposed system.

- ➢ Along with our technical training, we simultaneously started the system study & analysis.

- ➢ **The process of requirements analysis is carried out in three steps:**
  - ✓ Requirements anticipation
  - ✓ Requirements investigation
  - ✓ Requirements specification

4.2 Requirement Elicitation: -

- ➢ Requirements elicitation is the practice of collecting the requirements of a system from users and students.

- ➢ The practice is also sometimes referred to as " requirement gathering ".

- ➢ An extensive list of requirements elicitation techniques is covered in this course Having a long list of techniques to

choose from allows the analyst flexibility in their approach to gain maximum insight.

➢ They are supported by non - functional requirements, which impose constraints on the design or implementation (such as performance requirements, quality standards, or design constraints).

➢ A typical functional requirement will contain a unique name and number, a brief summary.

➢ Many requirements will be uncovered during the use case development When this happens, the requirement analysts should create a placeholder requirement with the name and summary and research the details later.

4.2.1 Functional Requirements: -

- ✓ The system must provide following functionalities.
- ✓ Keeping records of admission of Students Keeping the record of course.
- ✓ Storing the feedback given by the user.
- ✓ Keeping details about the course is enrolled or not etc.
- ✓ Storing the course selected by the user in the temporary storage.

4.3 Requirement Gathering: -

➢ As the goal of the application is ease of use and to provide an interactive interface, extensive research has been done to gain an insight into the needs and behaviours of various users.

➢ The working of the application is made convenient and easy to use for the end user Students receive amply opportunities

in class to practice the requirements gathering techniques taught.

➢ Individual and group feedback is provided by the expert facilitator to improve skills.

➢ Training is not a one-time activity.

➢ After class, the learning how we make learning stick.

➢ This course can be taken either stand - alone or as part of the 4 - day Essential Skills for Business Analysis course.

4.4 Problem Definition: -

➢ Requirements of the Scholar Website.

➢ The website must be able to store, retrieve, update data with the great ease and it should be very efficient.

➢ The website should be easy to understand and should be flexible to use.

➢ The profit method is used in many cases for Scholar appraisal, especially for untypical Scholar course.

➢ To illustrate the problems which occur during the application of this method.

5. ANALYSIS

AND

IMPLEMENTATION

5.1 Basic Functionality: -

➤ **Through this project I have tried to automate the task of:**
   ✓ Category of Course
   ✓ Features of Course
   ✓ Details of course
   ✓ Price Details
   ✓ Available course information
   ✓ Entering the detail contact information, and other information.
   ✓ Member id is generated automatically from the table by auto generation.
   ✓ Entering the details like primary information, contact information and other information.
   ✓ Add course and course detail.

5.2 Feasibility Study: -

➤ A feasibility study is a detailed analysis that considers all of the critical aspects of a proposed project in order to determine the likelihood of it succeeding.

➤ Success in business may be defined primarily by return on investment, meaning that the project will generate enough profit to justify the investment.

➤ develop a plan for professional development for online instructors,

➤ engage faculty with tools and resources for teaching online,

Resources to help you get started:

   ✓ Online Course Development Process
   ✓ Ensuring Online Course Quality

- ✓ Academic Integrity
- ✓ Intellectual Property and Copyright document

5.3 Risk Analysis: -

- ➢ At Risk in the Scholar Classroom With virtual learning ever increasing in popularity, the tendency is to implement online classrooms for all types of students regardless of their success or failure in the regular classroom.
- ➢ Is online learning for everyone? Can students deemed at risk be successful in a Scholar classroom? At risk students struggle with learning.
- ➢ The opportunity for success in online learning environments has exciting potential for at risk students.
- ➢ The Scholar Classroom can provide qualities and characteristics which are missing in the lives of many at risk students.
- ➢ But at-risk students present a challenge to the Scholar Classroom as well in this case, then, you would use our Rent Scenarios form and assign three rent probabilities based upon your own measurement of risk, and instantly you are the results so you can analyze what impact each rent might have on cash flows, rates of return, and profitability.

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6. SOFTWARE MODEL

➢ <u>Software Model: -</u>

- ✓ The goal of the development effort (to produce website or something else) is to produce some product. A development process is a set of activities together with ordering relationships between actives.

- ✓ Which if performed in a manner that satisfies the ordering relationship will produce the desired product. A process model is an abstract representing of a development process. In software development effort the goal is to produce high quality software.

- ✓ The development process is, therefore the sequence of activities of that will produces such software. The purpose of specifying a development process model is to suggest an overall process for developing software. There are different processes modelling software engineering.

- ✓ They deal with different applications and requirements. Among them waterfall model is the most common and widely used model. This is the model which is used for MySQL database tool. The main idea to follow waterfall model is that the requirements of MySQL database tool were and need not be changed during development.

7. DESIGN

7.1 Architecture Design: -

7.2 ER Diagram: -

7.3 Data Flow Diagram: -

7.4 Database Design: -

7.5 Interface Design: -

➢ 7.5.1 Admin Side: -

Admin Side – Login
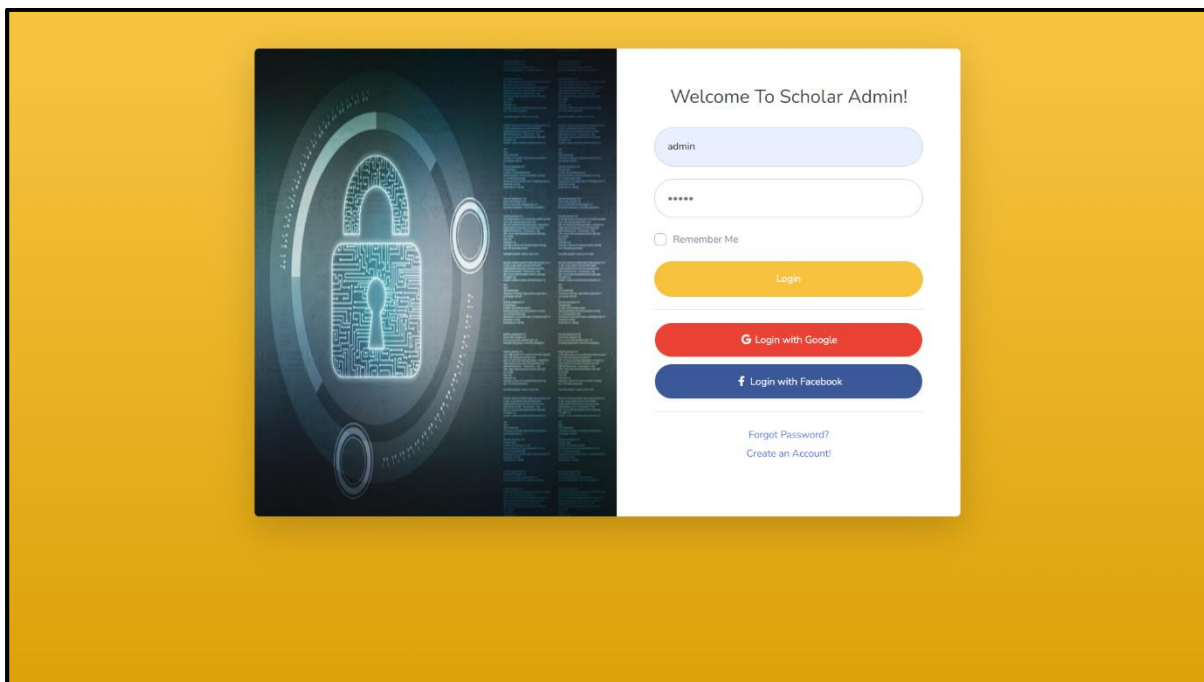
➢ Description: -

- ✓ Alternatively referred to as a sign in, a login or logon is a set of credentials used to gain access to an area requiring proper authorization.
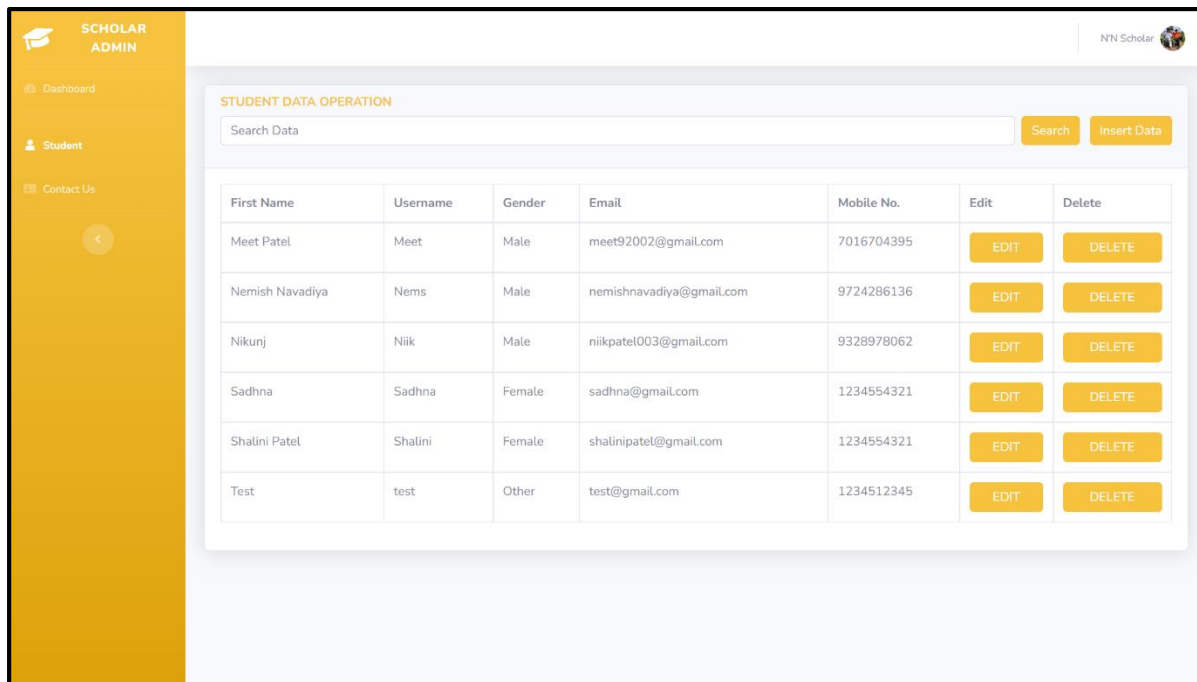
Admin Side - Dashboard
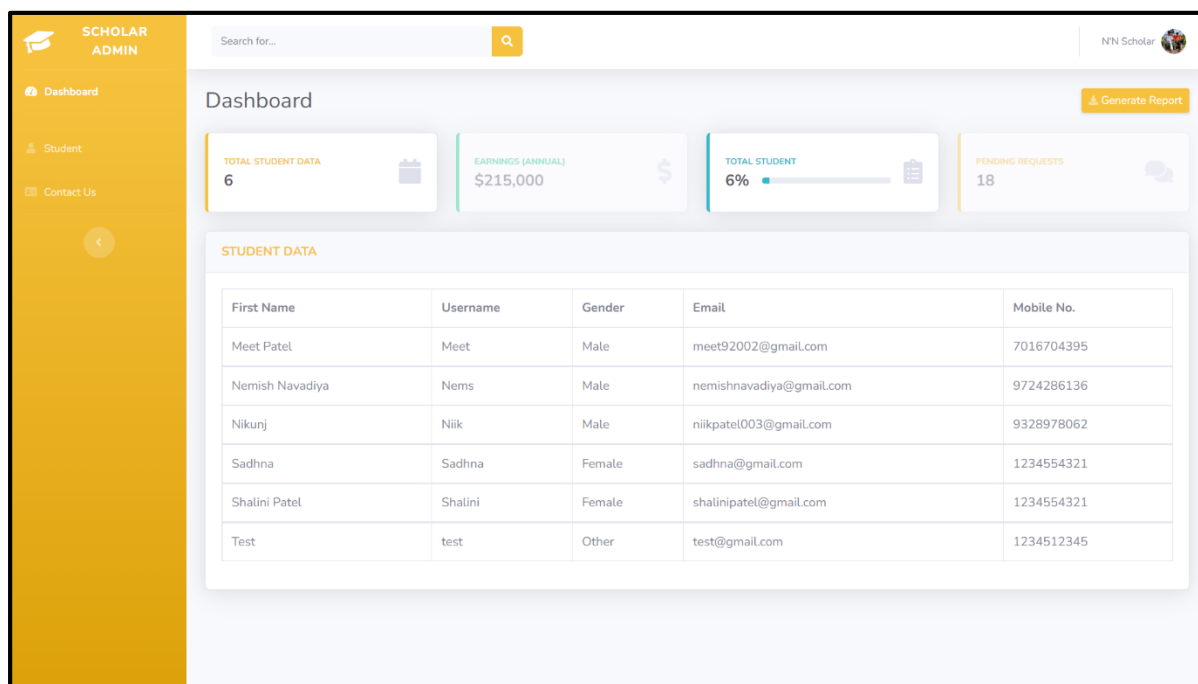
➢ **Description: -**

✓ Admin side dashboard show the data of students and contact us details and total number of student's data.

Admin Side – Students Data
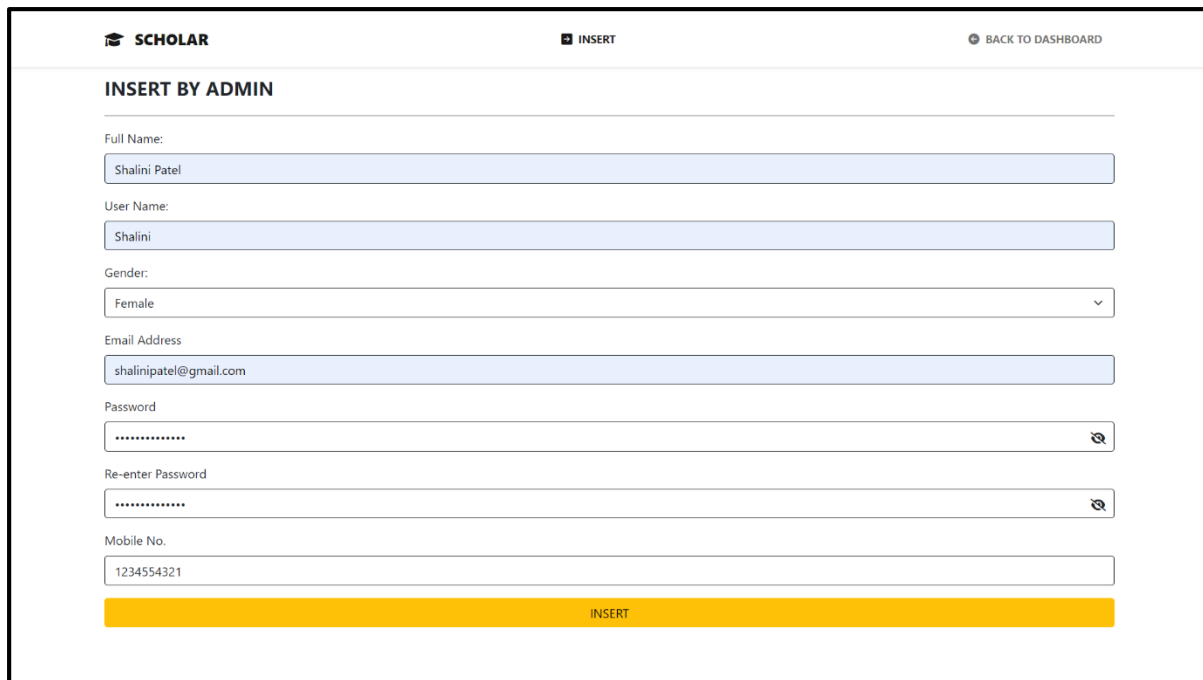
> **Description: -**

- ✓ Show the total number of student's data, details and access admin side crud operation.

Admin Side – Students Insert Data

➢ Description: -

✓ The insert operation is creating for the new data insert by the admin.

Admin Side – Students Insert Data Message

➤ Description: -

✓ It's indicate the message of inserted data.

Admin Side – Students Edit Data
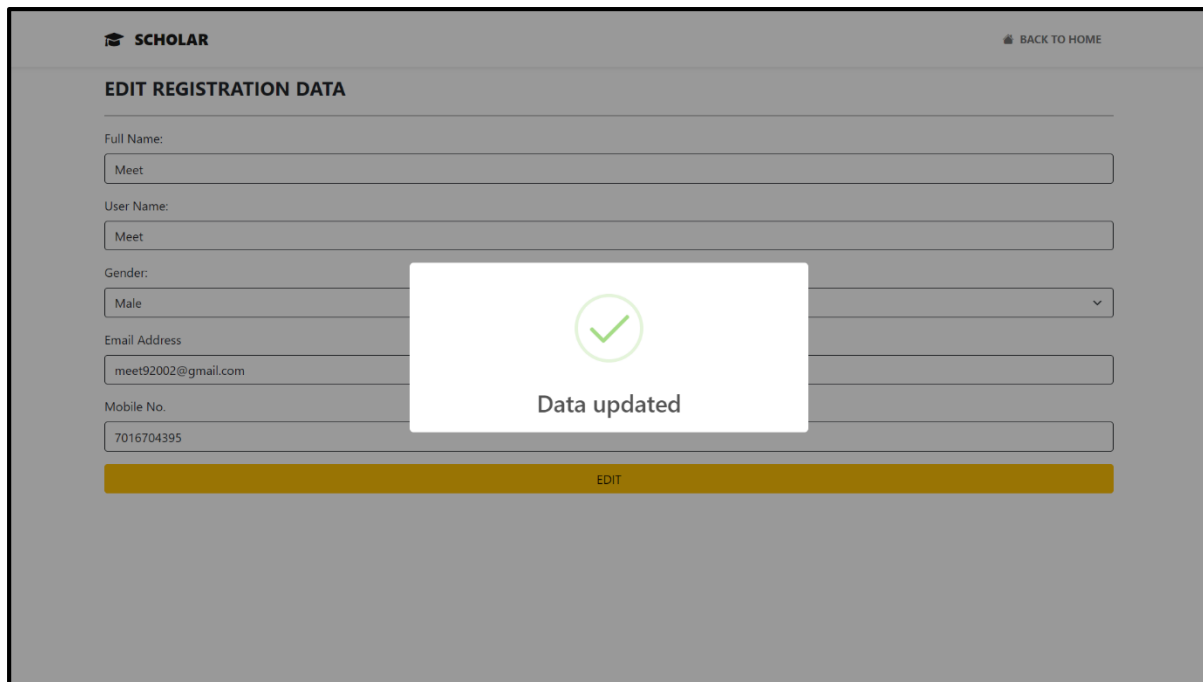
> ## Description: -

  ✓ The edit operation is creating for the old and new data edit
    by the admin.

Admin Side – Students Edited Data Message

➢ Description: -

✓ It's indicate the message of edited data.

Admin Side – Students Delete Data

> ## Description: -

✓ The delete operation is creating for the old and new data deleted by the admin.

Admin Side – Students Deleted Data Message
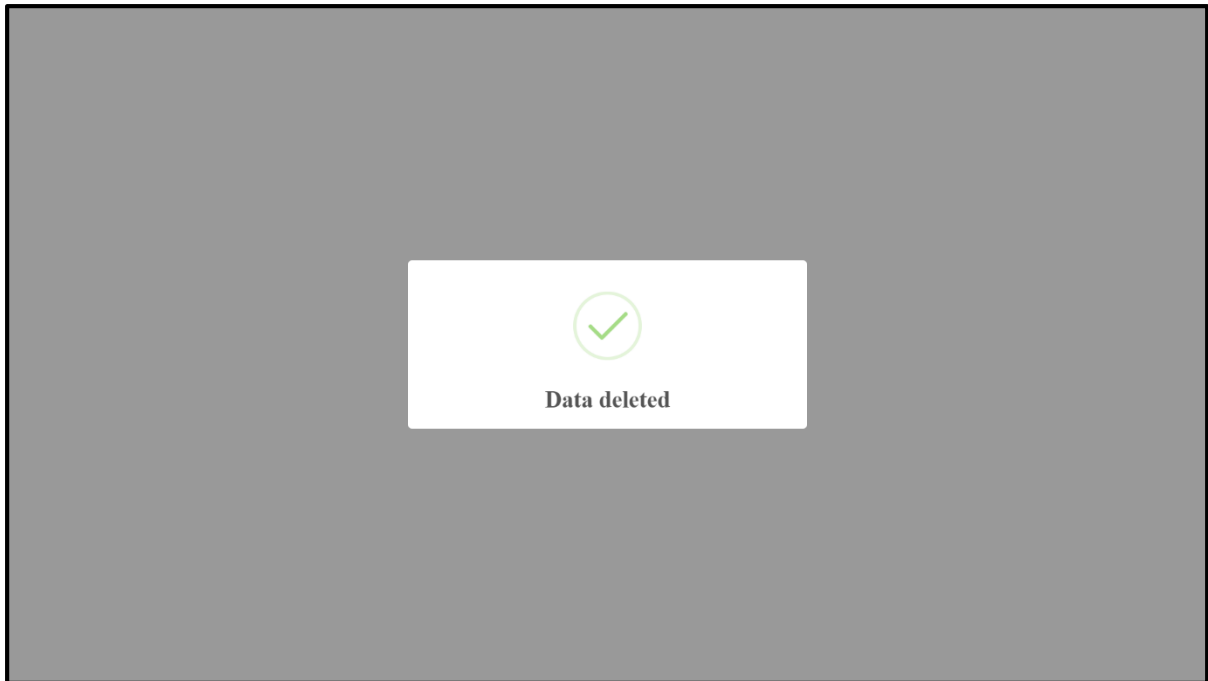
> **Description: -**

   ✓ It's indicate the message of deleted data.

Admin Side – Students Searching Data

> **Description: -**

✓ The search operation is creating for the old and new data searching by the admin.

Admin Side – Contact US
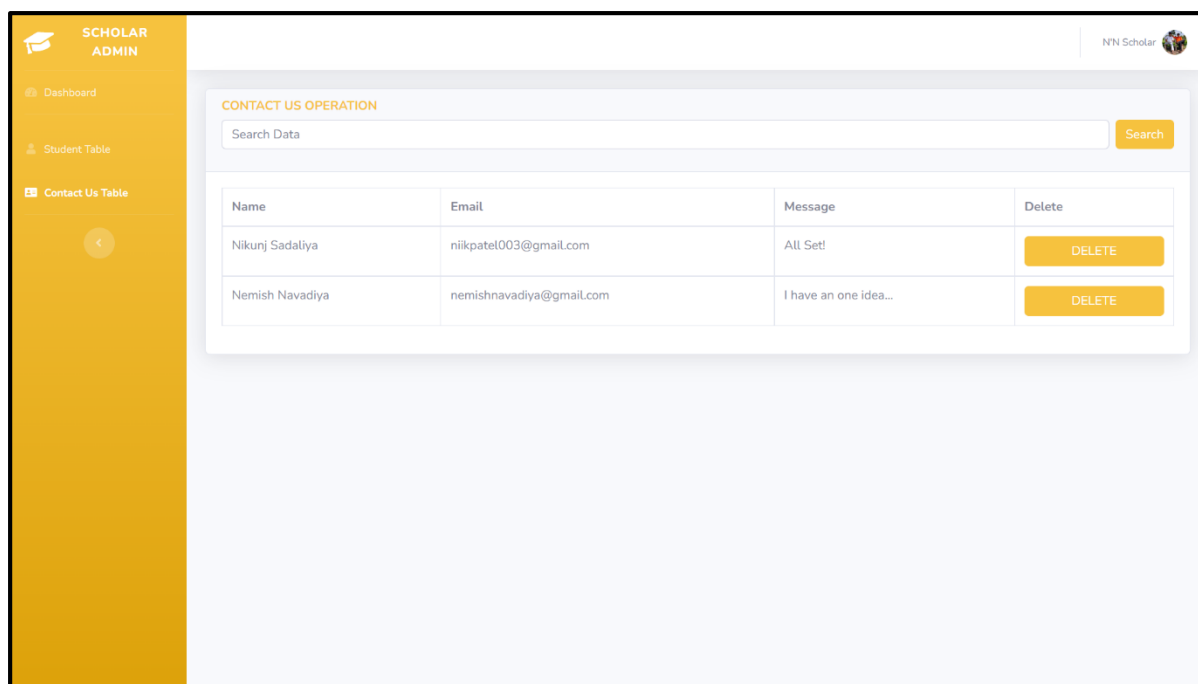
➢ **Description: -**

✓ It's indicate the particular data of who tell us about our website advantages and disadvantages and changes in our website and indicate the name with messages.

Admin Side – Contact US Delete
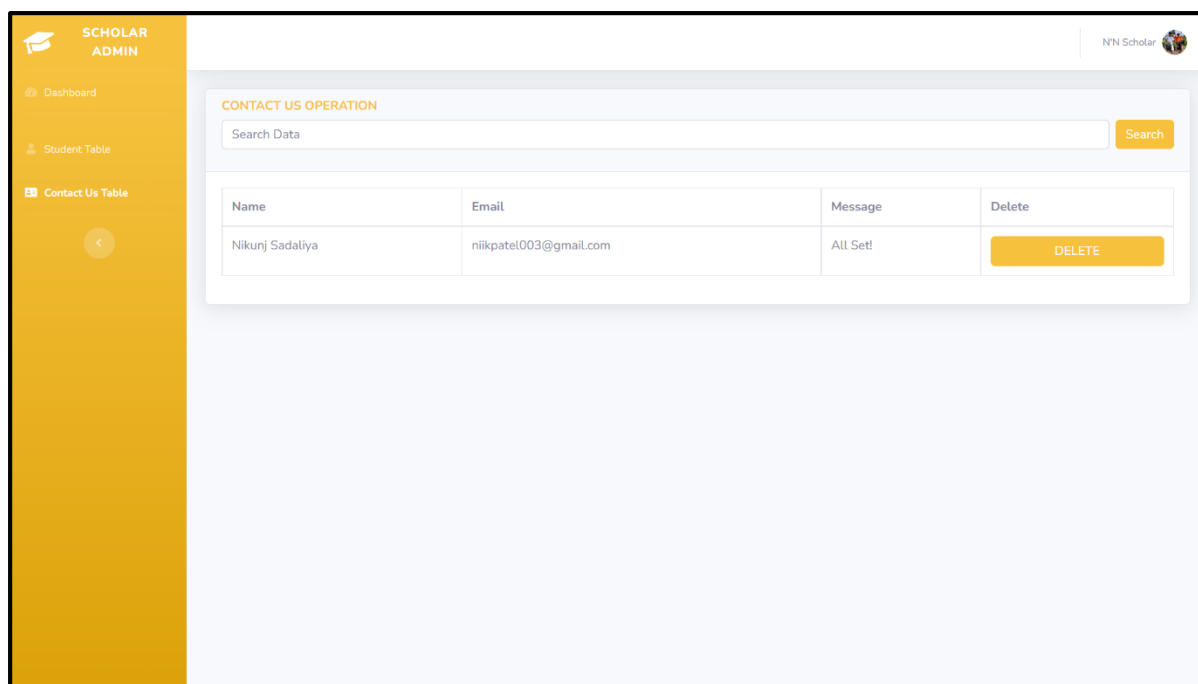
> ## Description: -

> ✓ The delete operation is creating for the old and new data deleted by the admin of contact us details.

Admin Side – Contact US Delete Message
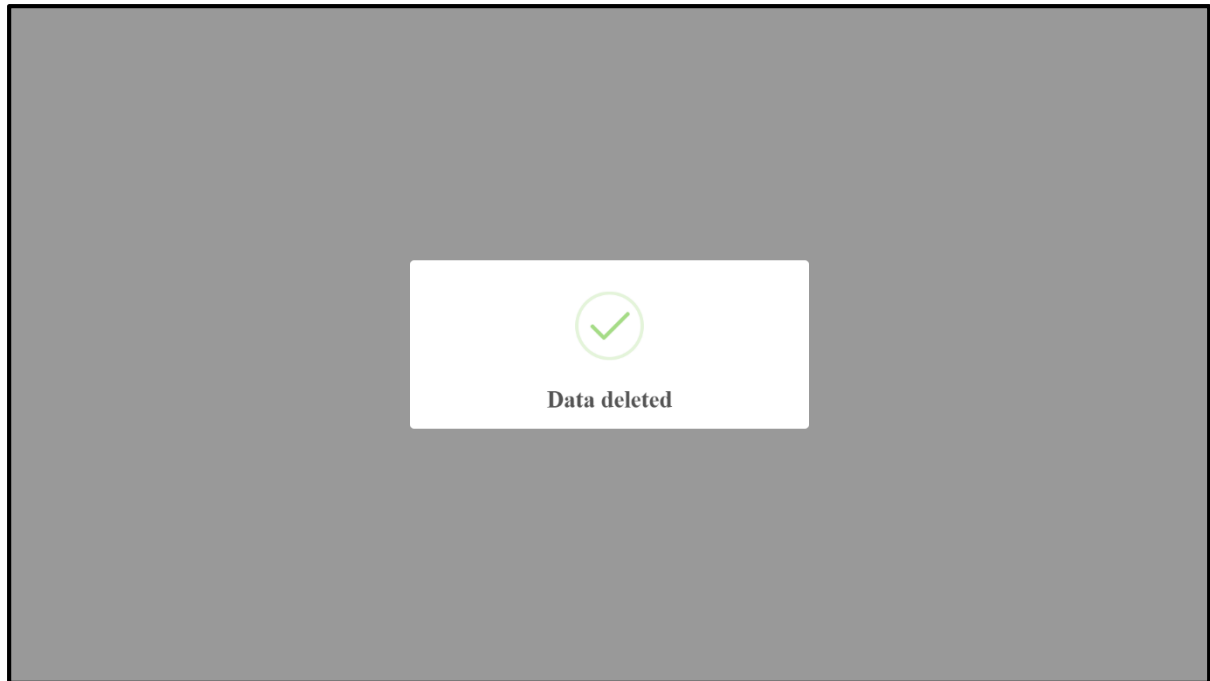
➢ **Description: -**

✓ It's indicate the message of contact us data deleted.

Admin Side – Contact US Searching

➢ Description: -

✓ It's indicate the specific data search in contact us page.

➢ **7.5.2 User Side: -**

User Side – Dashboard
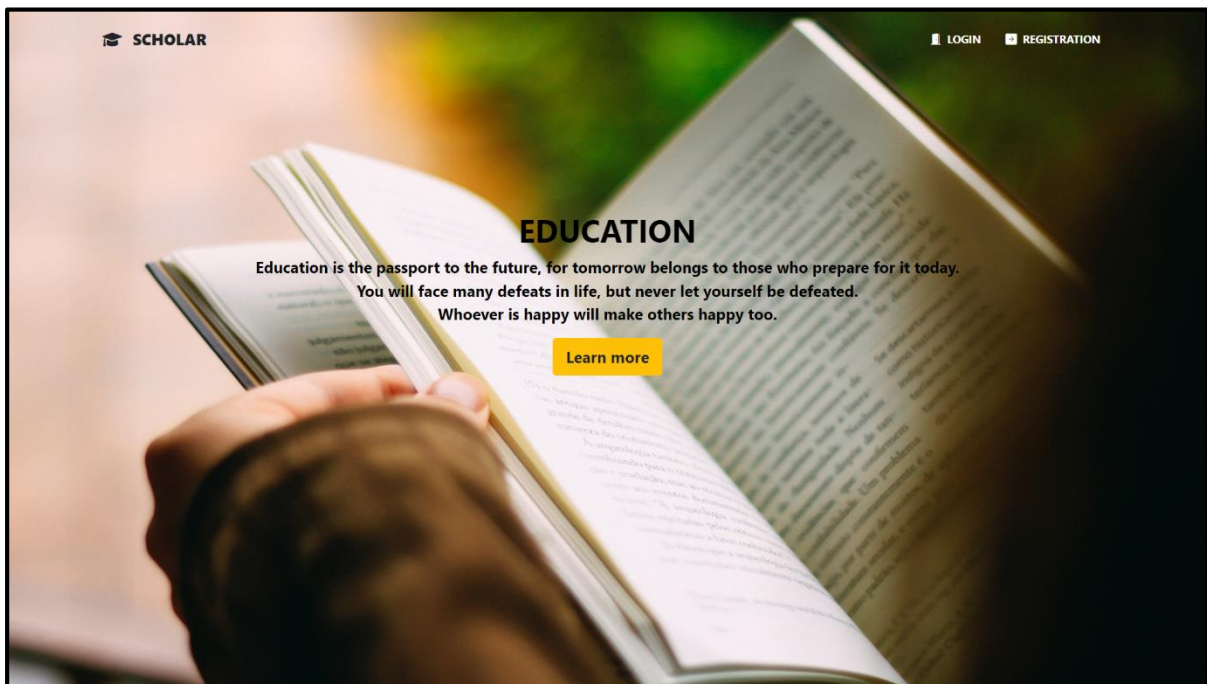
➢ **Description: -**
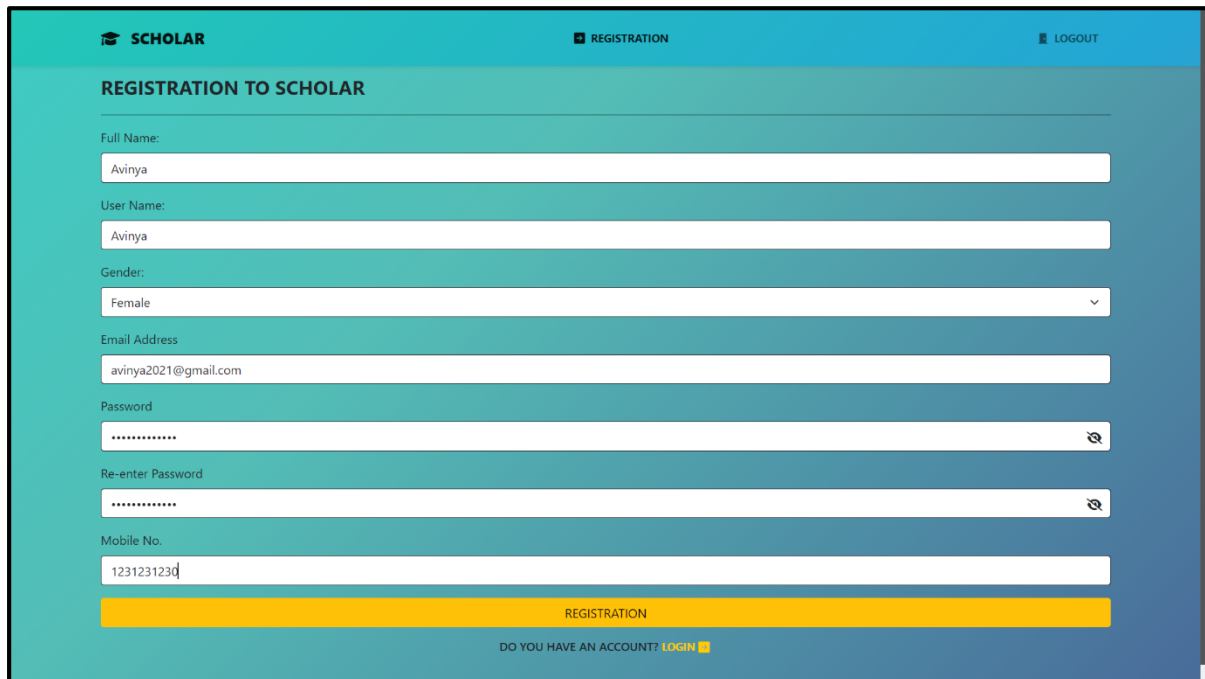
✓ At its simplest, a dashboard is a screen in your application that displays information. Normally, a dashboard provides the user a global overview, with access to the most important data, functions and controls. In reality, a dashboard often becomes a sort of homepage, especially for power users and add login and registration functionality it's work on entire user login or registration with your personal data.

User Side – Login

> ## Description: -

   ✓ Login functionality it's work on entire user login with your entire email & password and user using more features and functionality in our scholar web site.

User Side – Registration

➢ Description: -

✓ Registration functionality it's work on new user registration with your personal data and using more features and functionality in our scholar web site.

User Site – Registered

➢ Description: -

✓ It's indicate the message of user registered successfully.

User Site – Logout
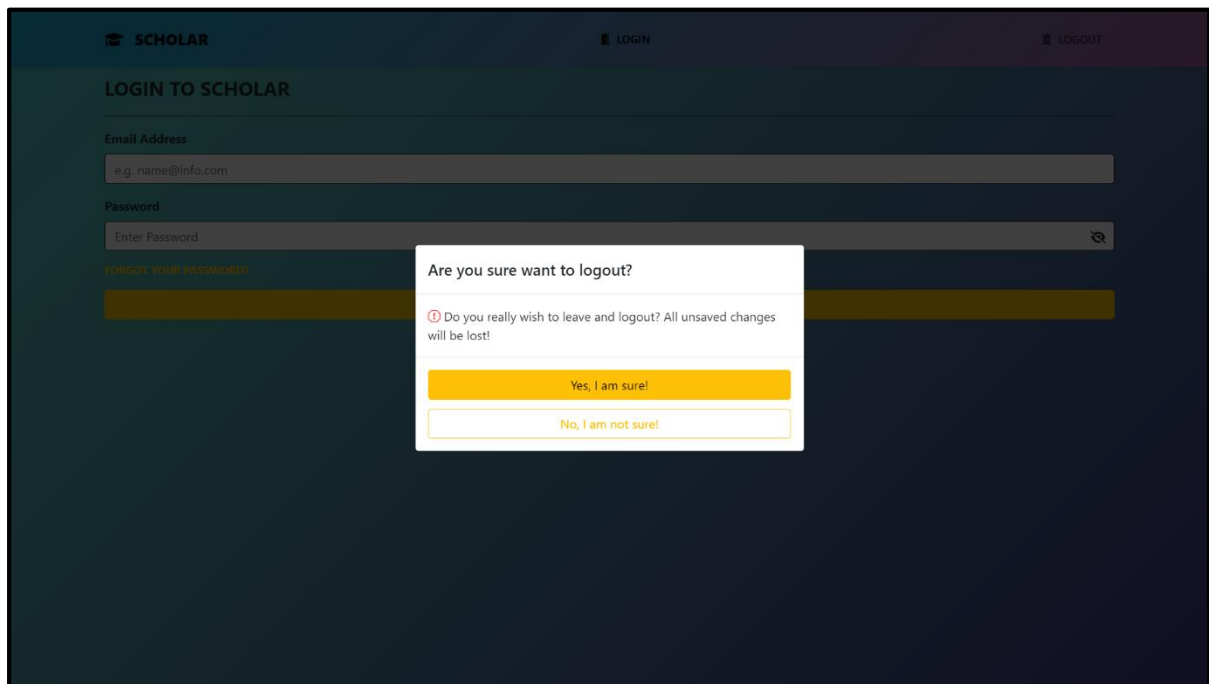
➢ Description: -

✓ Logout is the act of terminating an authenticated session when it's no longer needed, thus minimizing the likelihood that unauthorized parties can "take over" the session. This is typically achieved by provisioning a logout option on the user interface you provide to your users.

User Site – Home Page

➤ Description: -

✓ It's shows the carousel indicates study, education and teach images in slider and shows our areas and show the details of all programming languages and show the e-learning details in cards…

User Site – Course
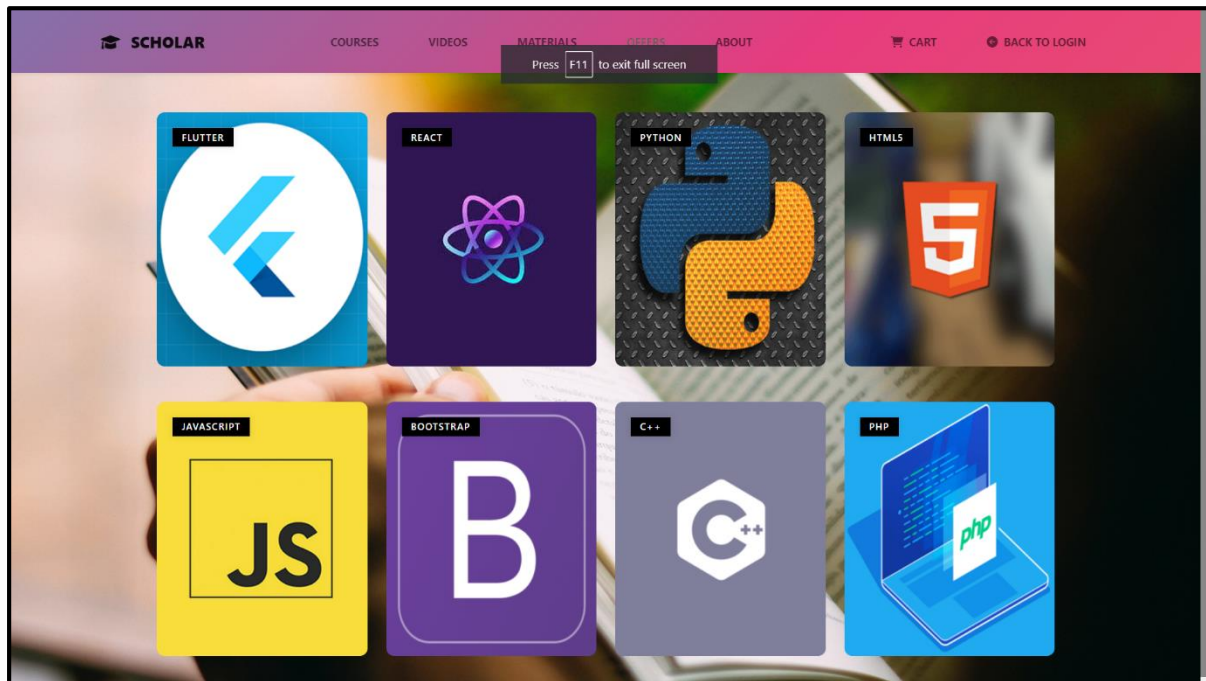
➢ Description: -

- ✓ summarize what your course covers, how it is taught, what students will learn, and what they will gain from the course.
- ✓ Optimize for sales conversions using our recommended best practices below for the tone and structure of your course description and user can buy the courses and learn it.
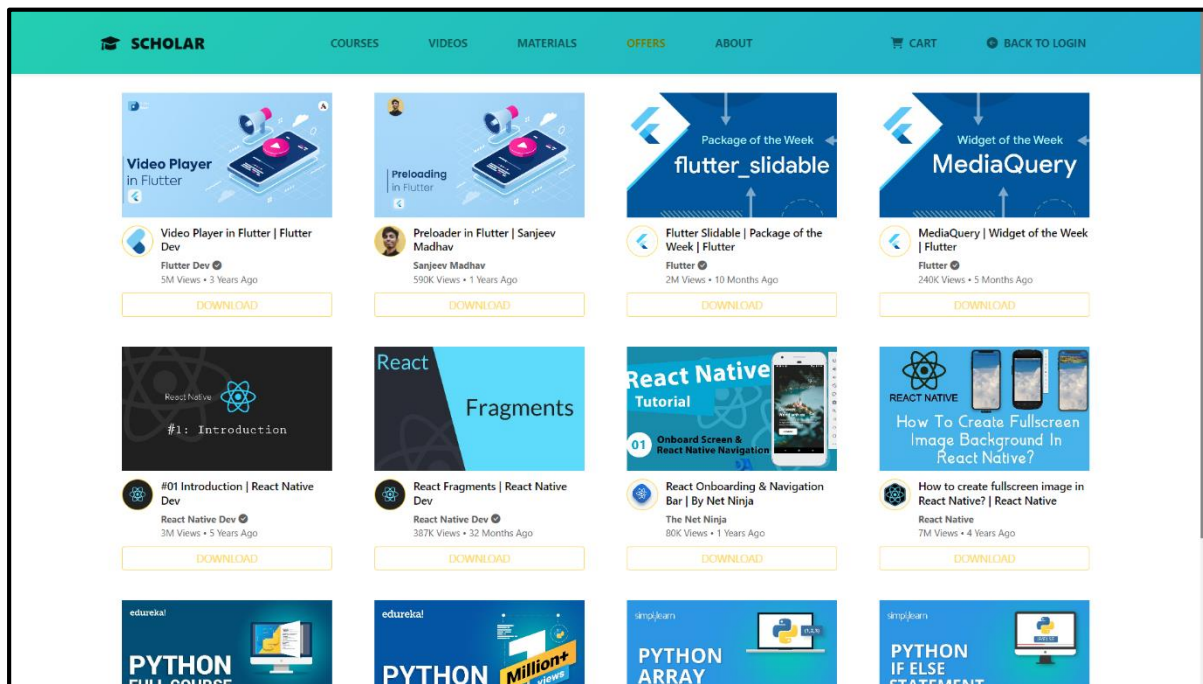
User Site – Course Details
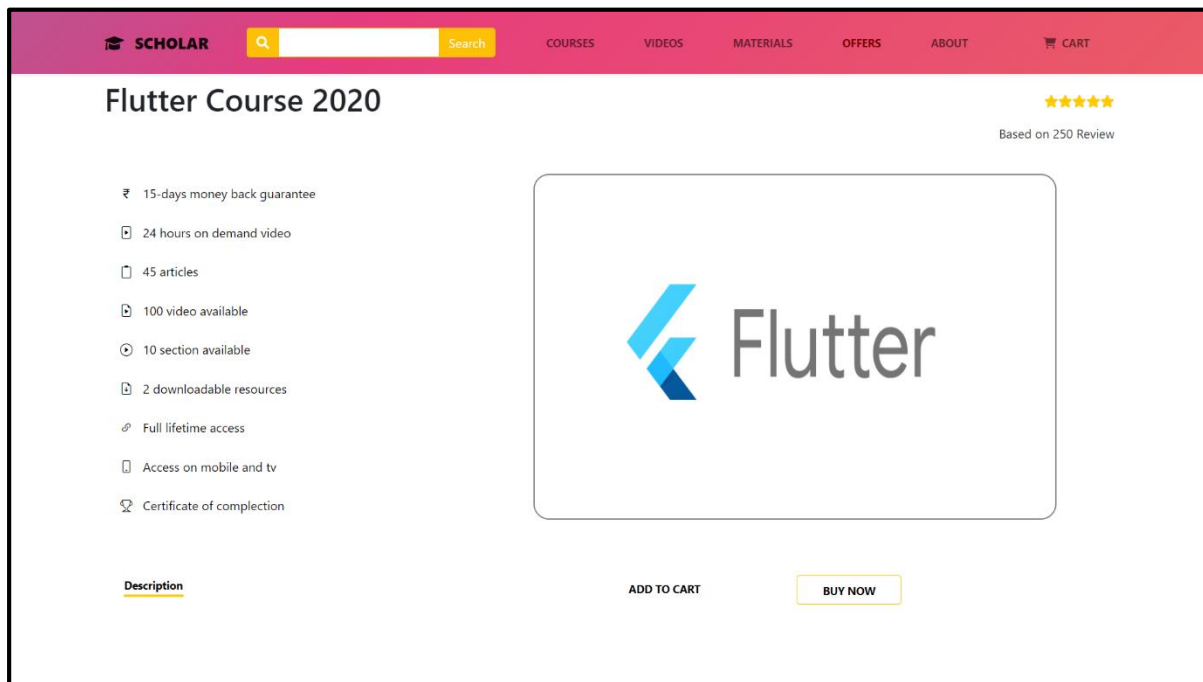
➤ Description: -

- ✓ summarize what your course covers, how it is taught, what students will learn, and what they will gain from the course.
- ✓ Optimize for sales conversions using our recommended best practices below for the tone and structure of your course description and user can buy the courses and learn it

User Site – Videos

> **Description: -**

  ✓ This functionality uses for who user learning from any videos ya refer any videos for future learning.

User Site – Videos Watch
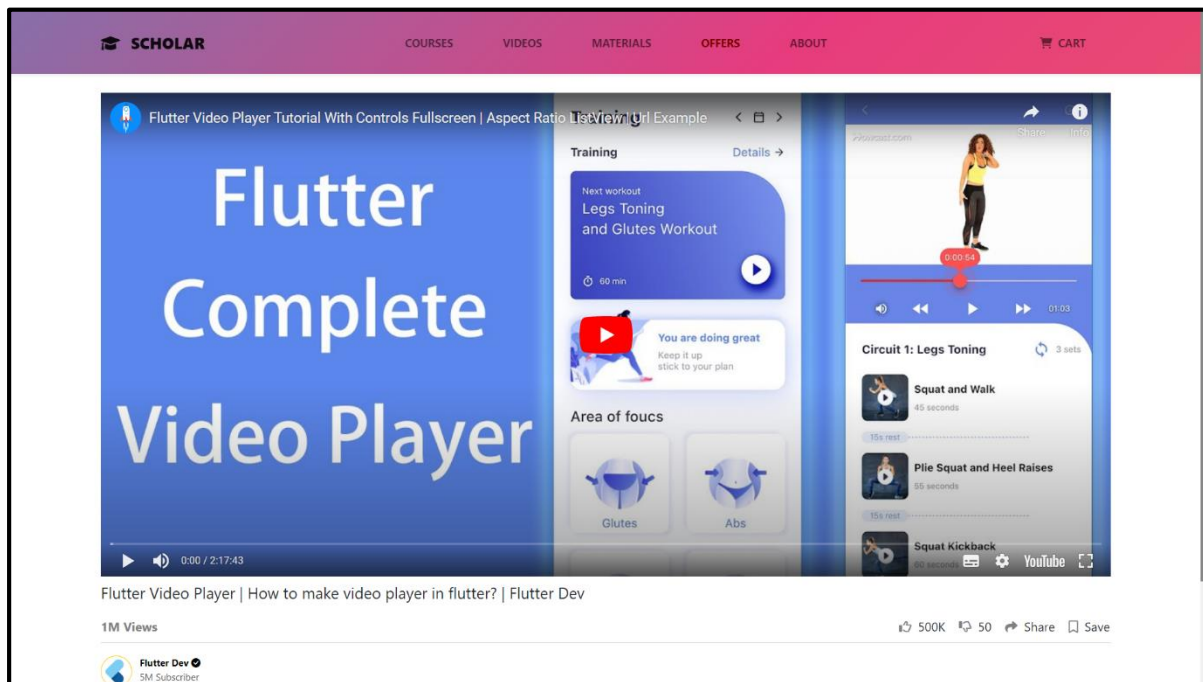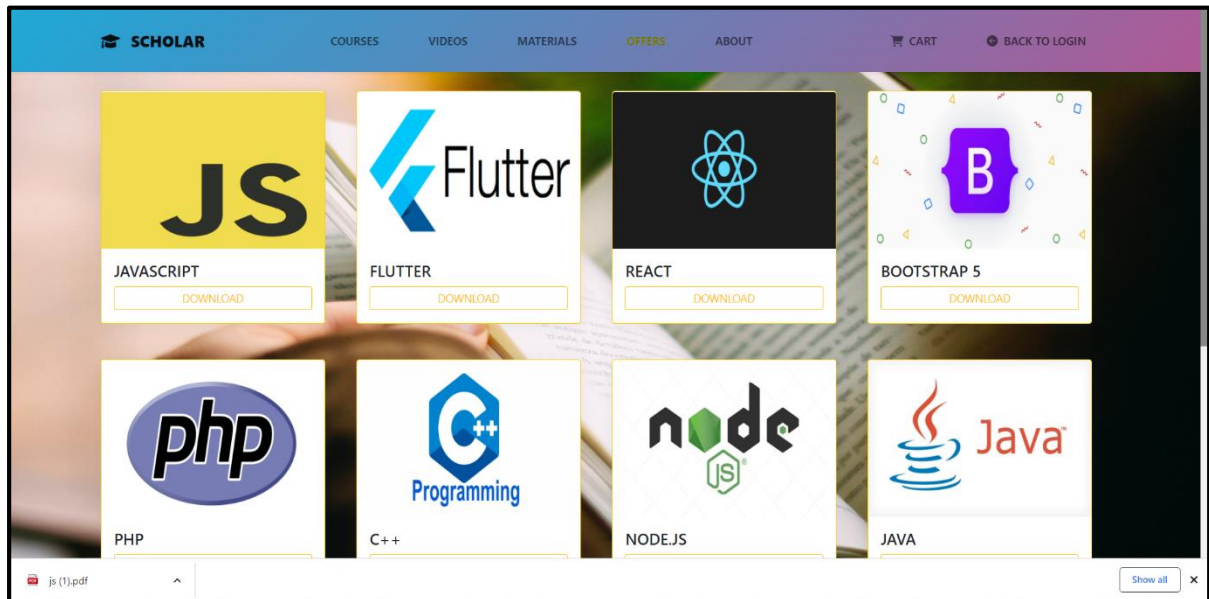
User Site – Materials
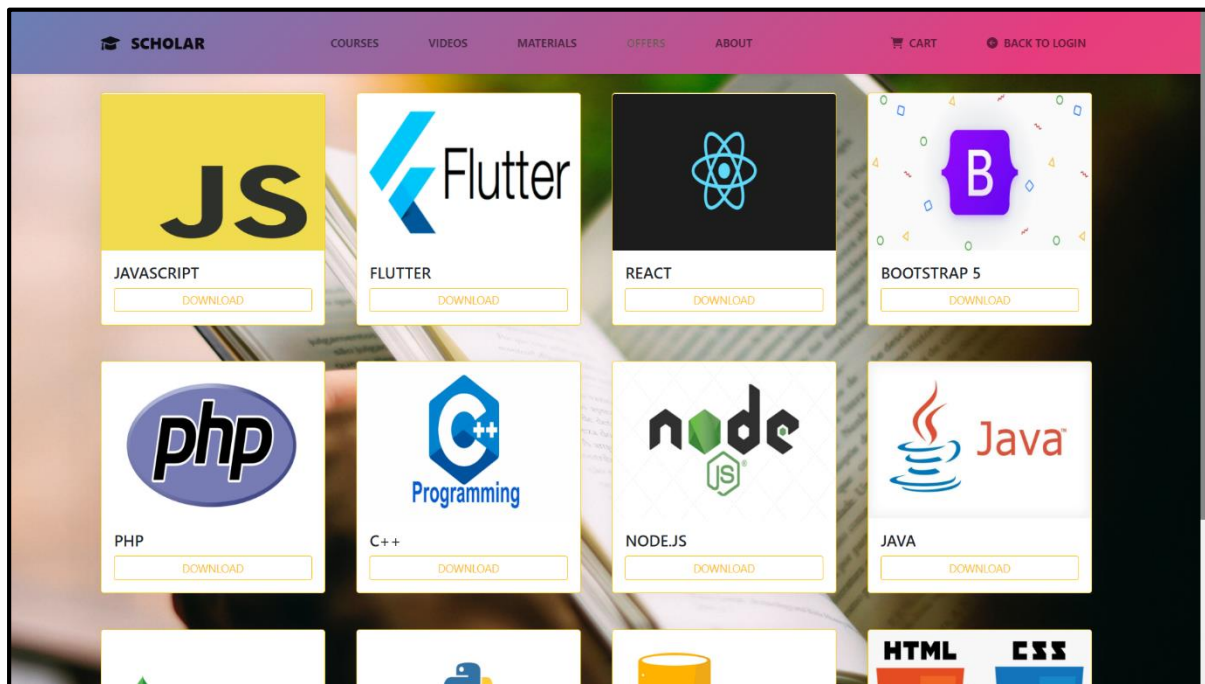
> ## Description: -

✓ User get the materials for personal uses and refer for study or learning.
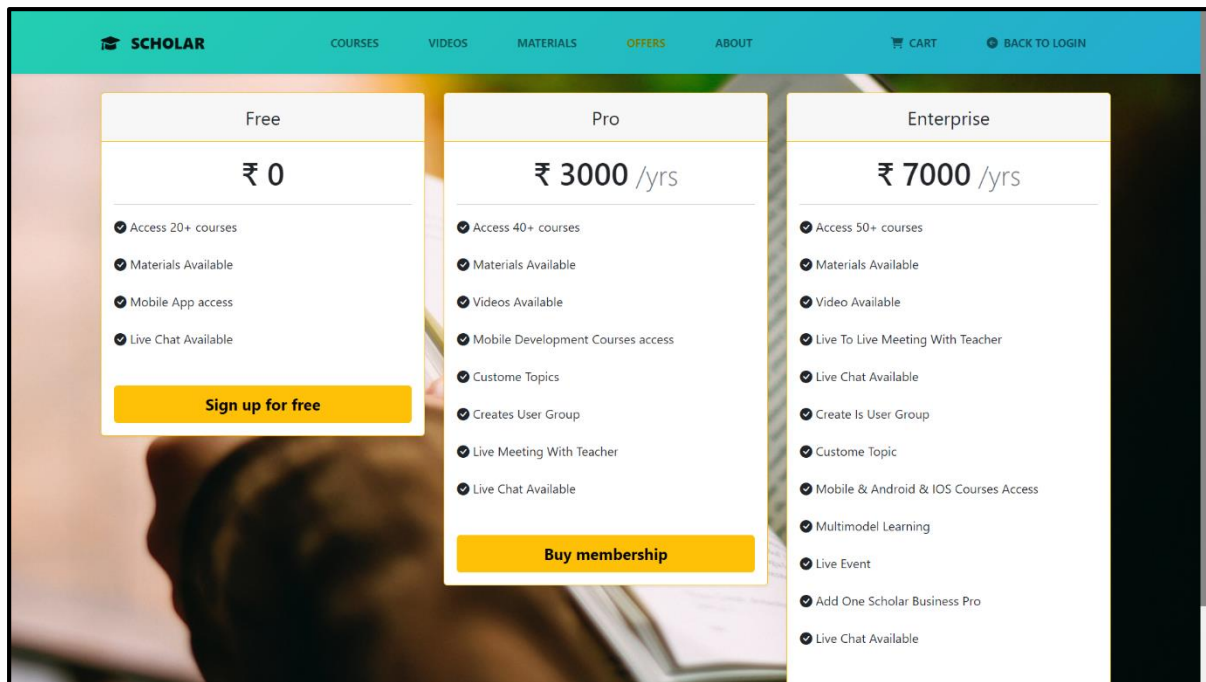
User Site – Materials Download

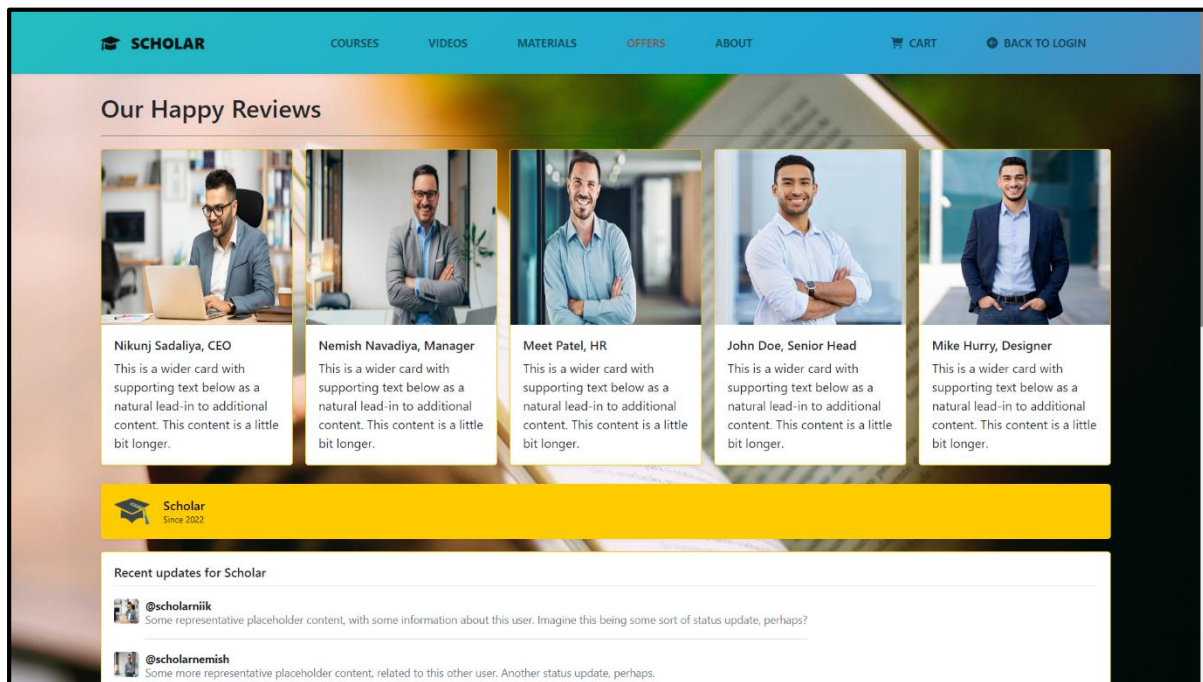# User Site – Materials View

User Site – Offers

> ## Description: -

- ✓ Define the core purpose. Let us work out the purpose of our product by asking a set of simple but revealing questions. ...
- ✓ Define the user base. ...
- ✓ Define the user needs. ...
- ✓ Define the product functions. ...
- ✓ Define product success criteria. ...
- ✓ Define the product foundation requirements.

User Site – About Us

➤ Description: -

✓ A testimonial is a statement from a past customer that describes how a product or service helped them. Testimonials are often written by the business based on specific questions they ask satisfied customers. They usually show impact through before-and-after comparisons or provide specific improvement statistics.

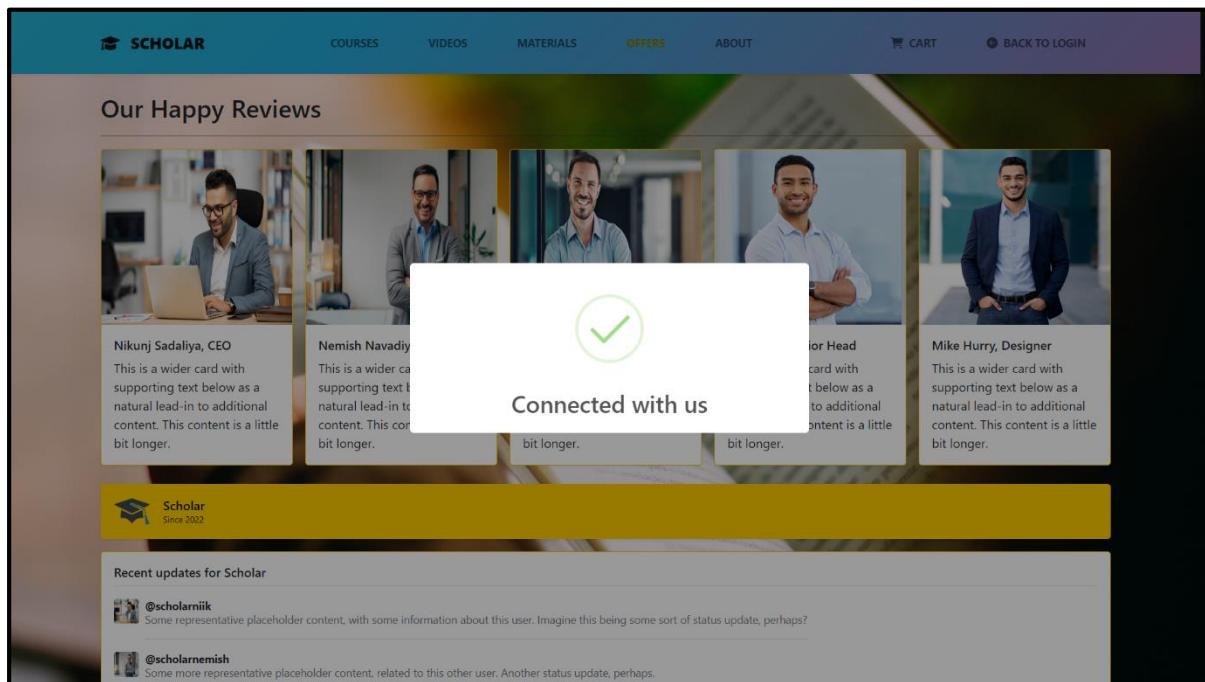# User Site – Contact Us

➢ Description: -

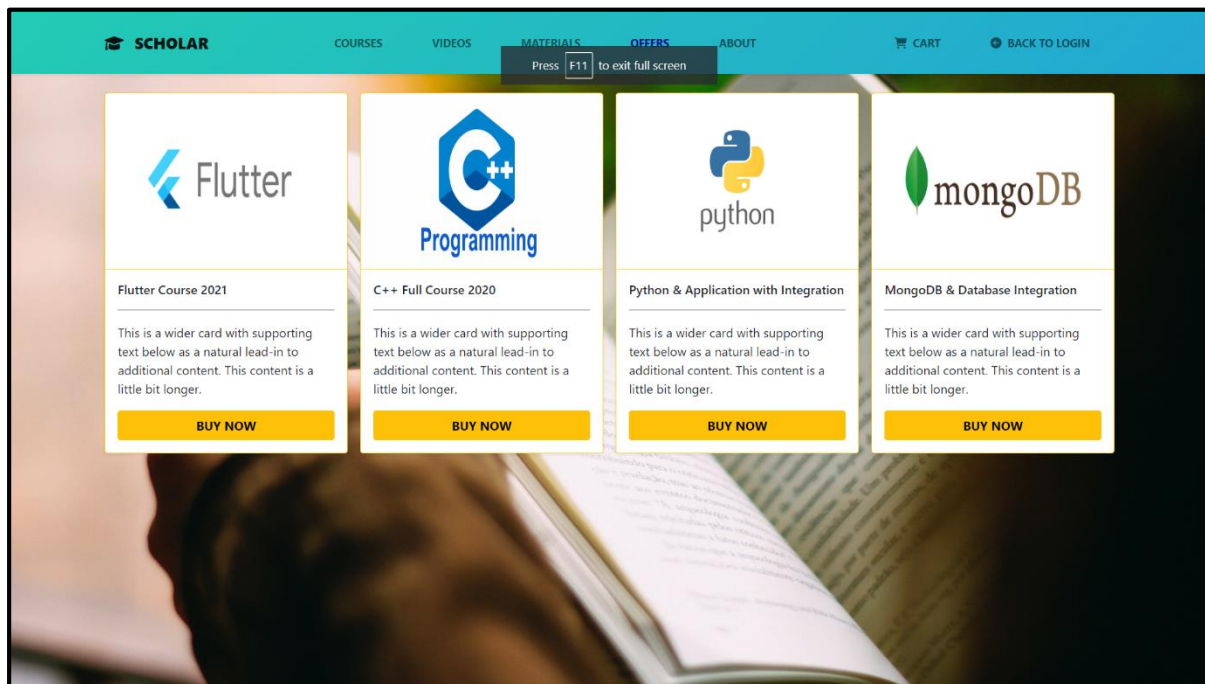✓ This Contact Us page is for a making communicate with our scholar community that works directly with our website.

User Site – Contact Us Message

➢ Description: -

✓ It's indicate the message of user connected with us.

User Site – Cart

➢ Description: -

- ✓ A shopping cart buy the particular course on an online educational site is a piece of website that facilitates the purchase of a product or courses.
- ✓ It accepts the customer's payment and organizes the distribution of that information to the merchant, payment processor and other parties.

User Site – Buy Now Details

> ## Description: -

> ✓ This facility is use for buying course details and user details.

User Site – Buy Now

➢ Description: -

✓ This facility is use for buying course.

8. TESTING

➢ <u>Testing: -</u>

- ✓ Testing plays a vital role System testing makes a logical assumption that system is correct, the goal program code has been developed, testing focuses on the logical internals of the statements have been tested, and on the functional externals, that is conducted tests to uncover errors and ensure that defined input will produce actual results that agree with required results.

➢ <u>OBJECTIVES OF TESTING: -</u>

- ✓ Testing is a process of executing a program with the intent of finding the error.
- ✓ A good test case is one that has a high probability of finding on unpredictable error.
- ✓ A successful test is one that provides solution for unpredictable error.
- ✓ The Minimum aim of testing process is to identify all defects existing in software product.
- ✓ Software product testing accomplishes a variety of things, but most importantly it measures the quality of the software that is developed.

➢ **Testing Plans: -**

➢ **Specifications of the product would be related to:**

✓ Functions of the system

✓ Response criteria

✓ Volume constraints (no. of users)

✓ Stability criteria (24 hour)

✓ Database responses (flushing, cleaning)

✓ Network criteria (network traffic)

✓ Compatibility (Environment & Browsers)

✓ User Interface / Friendliness criteria

✓ Modularity (ability to easily interface)

✓ Security

➢ **OBJECTIVES OF TESTING: -**

✓ As each module is developed it is tested and if found faultless is integrated in main module.

✓ If the module is not perfect it is built again. Each test plan item should have the following specific characteristics.

✓ It should be uniquely identifiable.

✓ It should be unambiguous.

8.1 Test Case: -

➢ Purpose: -

✓ The main purpose of test cases is that the system should flow as it has been made, even if user puts inputs in a wrong manner the output generated will give error. The flow of the system should go as it is defined by the developer.

8.2 Validation Testing: -

➢ TYPES OF TESTING: -

✓ **Unit testing**
✓ **Integration testing**
✓ **Validation testing**
✓ **System testing**

9. TIME LINE CHART

10. BIBLIOGRAPHY