

# COS209FinalProjectATL

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## **SPECIFICATION & PROJECT MANAGEMENT (SECTION-A)**

### **1.Project Overview**

The project's goal was to develop a user-friendly UI/UX for a website where visitors could publish and read blog-style entries. The website had categories, titles, and post sections that let users group their articles into categories and make it simpler for visitors to do topic-specific searches. I was an AI language model, so I didn't personally contribute to the project's creation, but I can provide an evaluation based on the details that were provided to me. The website's sleek, contemporary design, which was both aesthetically pleasing and user-friendly, was one of its significant advantages. The typefaces and color scheme were both well-chosen, which improved the user experience overall. A bigger audience may visit the website because it was optimized for both desktop and mobile devices. The application was created using a database-based user interface, allowing users to upload several categories with the post to the web application page with their own title selections and make them available for viewers to see using a contemporary UI/UX modern design.

#### **1.1.Purpose**

The goal of a project may be to develop a website that allows users to publish and read blog-style content with an emphasis on enhancing user experience through an easy-to-use and cutting-edge UI/UX design. To make it simpler for consumers to explore and find specific material, the website might have features like categories, titles, and post sections. In order to promote accessibility to a larger audience, the project might also attempt to optimize the website for both desktop and mobile devices. The main purpose of the website is to let the viewer became the user to access the page and can administer some part related to database such as editing post, adding new post and deleting the post. The restricted part is to control and administer the existing and the new user data.

## 1.2. Scope

The brand recognition for the website name is “Alternese”. Alter stands for the function that user and admin can operate with the project, Nese stands for everything related to the UI/UX Design withstand by web page. The scope of the website is to build a community that discusses alternative themes, encourages a sustainable lifestyle, and exchanges information and experiences in those areas.

### **Admin can operate the function described it below**

- ♥ Admin Data (Search/View/Insert/Update/Delete)
- ♥ User Data (Search/ View/Insert/Update/Delete)
- ♥ Posts Data (Search/View/ Insert/Update/Delete)
- ♥ Category Data (Search/View/Insert/Update/Delete)

Admin can have the control over the function of the system like manipulating of various data such as Search,View,Insert,Update and Delete Functions.

### **User can operate the function described it below**

- ♣ Admin Data (Search/View)
- ♣ User Data (Search/View)
- ♣ Posts Data (Search/View/ Insert/Update/ Delete) --only the existing of own user's posts.
- ♣ Category Data (Search/ View)

User can only view and search of the Admin Data, User Data and Category Data but can manipulate the existing post of the own users.

## Project Objectives:

### **User**

- The Alternese website offers a platform for new users to find out more about alternative subjects connected to lifestyle, education, nature and health while interacting with a community of like-minded people.

- User acquire knowledge by viewing the beautiful post uploaded by the existing user and the system admin.
- The user may go through the website's categories to find certain information that relates to their interests.
- The user may utilize the search box to look for specific material, and the latest and most popular articles sections let users keep up with the most pertinent and recent information.
- If the user wants to view the post, he/she can click the post and can completely read all the written word related to selected topic with the user detail and the duration Information.
- If the new user wants to add post or edit post by selecting the different categories, he/she would first to became the user of this website.
- If not, the user has to follow the sign-up procedure to add a new post.
- After the procedure of signup, the user has to sign in again for the sake of High alert security and the Authentication.
- Now the user can access by adding post, deleting post, editing post and many more.

## **Admin**

The Alternese website will provide administrators access to a dashboard where they may control the website's content, users, and general functionality. Only those employees who have been given permission and are in charge of upholding the website's integrity and standards.

- The system must identify the login of the admin.
- Posts and categories can be added, edited, and deleted by the admin. In order to guarantee that user-posted content complies with the rules and standards of the website, the admin can also monitor it.
- The administrator has control over user accounts, the acceptance or rejection of user-generated material, and comment moderation. Additionally, the administrator can control user rights and roles, such as limiting access to particular website sections.
- Through the use of analytics tools, the administrator may monitor the functionality and user interaction of the website. By keeping an eye on the speed and making sure it is operating effectively, the admin may also improve the website's performance.

- By putting security rules into place, the admin may control the security of the website and thwart viruses, hacking attempts, and unauthorized access.
- The admin can manage the website's design and theme by customizing the website's layout, typography, and color schemes.
- The admin can vary by assigning of the replace posts, the category and the users. The admin can make other user to became admin to manage all the functionality as describe above of the following.

Overall, the Alternese website's admin area offers the administrator the instruments required to oversee and enhance the website's content, performance, and security, making sure that it complies with the site's standards and rules.

### **1.3. Project Constraints and Risks**

Risks and restrictions related to the project might have an impact on its success. Resources, time, money, technology, and other limits may all be constraints that affect a project's viability or efficiency. Both internal and external elements, such as human mistake, technological malfunctions, environmental conditions, or legal and regulatory difficulties, might pose risks. Project managers must recognize, evaluate, and minimize potential risks and limits in order to complete the project on schedule, within budget, and with the intended level of quality. The ability of the project managers and stakeholders to be aware of potential risks and constraints and to take proactive measures to manage them effectively is particularly important in addressing the project constraints and risks.

### **1.4. Schedule and Budget Summary**

The Alternese Project requires a minimum of 20 members. The customer is a key player in the project's timeline and cost breakdown for developing a website. They give the project specifications and give their approval for the final budget and timeline. The stakeholder's job is to keep an eye on the project's development and make sure that it is completed on time and within the allocated budget. In order to

make sure that activities are performed on time and within budget, the project manager is in charge of developing and overseeing the schedule and budget. The analyst examines the project specifications and assists in identifying possible hazards that could have an effect on the project's budget and schedule. The developer is in charge of designing and testing the website to make sure it adheres to the project specifications and is delivered on schedule. The tester verifies the website's functionality and checks it for defects. Together, the client, stakeholder, project manager, analyst, developer, and tester can make sure that the project is delivered on time, within budget, and to the specified quality standards. They can also make sure that the schedule and budget summary is correct.

Task	Initial Date	Final Date	Organizer	Budget
Project Planning	15 <sup>th</sup> March 2023	20 <sup>th</sup> March 2023		\$16,000
Requirements For the Enterprises	20 <sup>th</sup> March 2023	25 <sup>th</sup> March 2023		\$50,000
Design implementation and Prototyping	25 <sup>th</sup> March 2023	26 <sup>th</sup> March 2023		\$3000

Website Development	26 <sup>th</sup> April 2023	6 <sup>th</sup> April 2023		\$50000
Website Testing	6 <sup>th</sup> April 2023	8 <sup>th</sup> April 2023		\$1000
Implementation and Integration	8 <sup>th</sup> May 2023	12th May 2023		\$3000
Operations and Management	12 <sup>th</sup> May 2023	16 <sup>th</sup> May 2023		\$4500
			<b>Total Budget</b>	\$127,500

## **2.Requirements Definition**

The following definitions are required before a website can be developed: the website's purpose and goals, its target audience, its features and functionalities, its design and layout, the content management system (CMS) to be used, its web hosting platform, its user interface and user experience (UI/UX) design, its content creation strategy, and its search engine optimization (SEO) strategy. These definitions will serve as a roadmap for creating and launching the website, ensuring that it adheres to project specifications and is delivered on time and on budget. For example, the project team members, software and hardware specifications and many more.

### **Software Requirement**

The website is basically the blog type posts where abundant necessity software has been used.

- To design and administer the content of the website, used a content management system (CMS) like WordPress, Joomla, or Drupal.
- To design and create the website, use a web development application programming language like HTML5, CSS, JAVASCRIPT, PHP and the database system for MYSQL and many more.
- To host the website online, use a web hosting service like Bluehost, Site Ground, or HostGator.
- Utilize a web browser, such as Microsoft Edge, Mozilla Firefox, or Google Chrome and Opera Browser to view and test the website.
- Must use code editor such as Visual Studio Code to write and edit the website code.
- To develop and alter website graphics and pictures, used an image editing program like Adobe Photoshop and Canva for the better user experience.

### **Hardware Requirements**

- The requirement needed to debug the system we need the high efficiency operating system and the driver related to the system.
- A portable laptop or the Monitor-desktop not less than 8GB dual Core-processor is required.

- 1920\*1080 resolution is required to design and develop the website for the better UI/UX design.
- For web surfing, website testing, and online collaboration, a dependable internet connection with a minimum speed of 12 Mbps is required.
- Website papers, contracts, and invoices may be created and printed using a printer and scanner.

### Project Members

Project Members	Responsibility
Client	<p>The client's duties and responsibilities include outlining specific project needs, offering suggestions and approvals, creating and managing content, conducting testing and validation, and providing continuing maintenance and support.</p>
Project Manager	<p>The project manager's duties and responsibilities include managing the project's scope, timeline, and budget, coordinating the project team, ensuring effective stakeholder communication, resolving problems and risks, and ensuring that the website is successfully delivered in accordance with the specified specifications and quality standards.</p>
Stakeholder	<p>The stakeholder's role and responsibility include giving input and feedback on the project's requirements, goals, and objectives; participating in decision-making processes; reviewing and approving project deliverables; providing the necessary resources and support; and making sure that the website project is successful overall and meets their needs and expectations.</p>
Analyst	<p>The Analyst's role and responsibilities include carrying out research and analysis to comprehend user requirements, identifying and documenting project specifications, working with stakeholders to collect and clarify project requirements, and offering insightful guidance and recommendations to direct the development of the website, ensuring that it satisfies user needs and is in line with project goals.</p>

Developer	Implementing the website's functionality and design is a key part of the Developer's duty and obligation. This entails writing clear and effective code, creating the necessary features, such as blog post creation, category tagging, and user interaction, making sure the website is responsive across a variety of devices, integrating the front-end with the back-end systems, handling data storage and retrieval, and carrying out extensive testing to find and fix any bugs or problems. In order to make the website functional and to ensure its creation, the developer is essential.
Assurance Tester	The Assurance Tester's position and duty in the pictured scenario entail thoroughly testing the web application to guarantee its usability, quality, and overall user experience. The Assurance Tester is tasked with developing test plans and test cases, carrying out different testing methodologies such as functional testing, usability testing, and performance testing, finding and documenting any flaws or problems, and working with the development team to address them. They want to make that the website is functional, provides a great user experience, and complies with the standards.

### **3.Work Breakdown Structure**

#### **1.0 Project Planning**

- 1.1 Define project scope and objectives
- 1.2 Identify project team members
- 1.3 Develop project schedule and budget
- 1.4 Monitor and control project progress

#### **2.0 User Interface (UI) Design**

- 2.1 Conduct user research and analysis
- 2.2 Develop wireframes and prototypes
- 2.3 Create visual design concepts
- 2.4 Refine design based on feedback

## **3.0 User Experience (UX) Design**

- 3.1 Define user personas and user scenarios
- 3.2 Develop user journeys and flowcharts
- 3.3 Conduct usability testing
- 3.4 Analyze and refine user experience

## **4.0 Blog Functionality**

- 4.1 Define blog post categories and tags
- 4.2 Develop blog post creation and editing functionality
- 4.3 Create blog post search and filtering options
- 4.4 Implement commenting and social sharing functionality

## **5.0 Front-end Development**

- 5.1 Convert design into HTML/CSS templates
- 5.2 Develop responsive design for different screen sizes
- 5.3 Implement UI interactions and animations
- 5.4 Integrate blog functionality into the front-end

## **6.0 Back-end Development**

- 6.1 Set up database and data models
- 6.2 Develop authentication and authorization functionality
- 6.3 Implement blog post storage and retrieval
- 6.4 Develop API endpoints for front-end integration

## **7.0 Testing and Quality Assurance**

- 7.1Conduct functional testing of all features
- 7.2Perform user acceptance testing
- 7.3Identify and fix bugs and issues
- 7.4Ensure cross-browser compatibility and accessibility

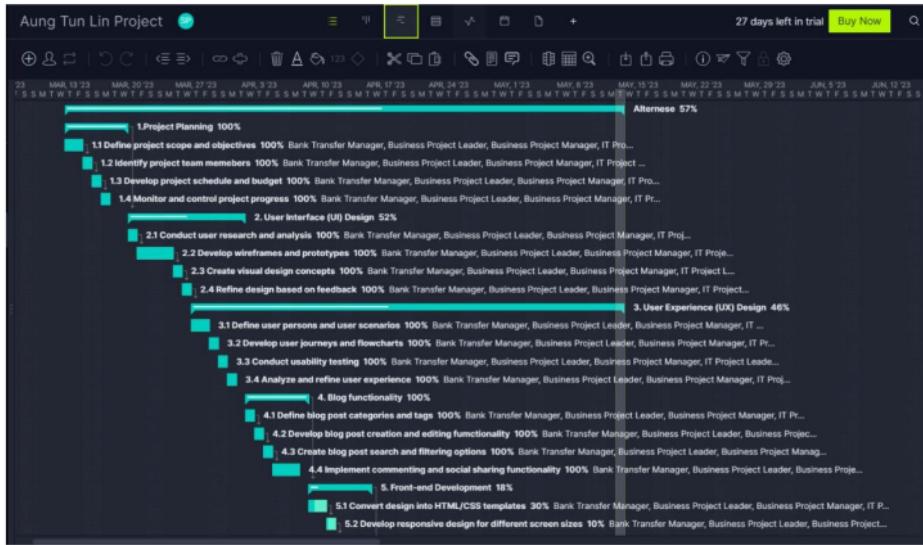
## **8.0 Deployment and Maintenance**

- 8.1Prepare for deployment to production server
- 8.2Launch the web application
- 8.3Monitor and maintain server and database performance
- 8.4Provide ongoing maintenance and support for the application.

## **9.0 Project Management/Close Out**

- 9.1Monitoring and tracking project progress and performance.
- 9.2Managing and mitigating project risks and issues.
- 9.3Communicating and reporting project status to stakeholders and sponsors.
- 9.4Conducting project closure activities and performing a post-implementation review.

## Gantt Chart



	<b>Names</b>	<b>Approximate Cost</b>
<b>System Requirement</b>	Software Licenses	\$2500
	Database Store Licenses	\$1000
	Network Licenses	\$500
	Servers Licenses	\$2500
<b>Personnel (Project Management Team)</b>	Consultants	\$2000
	Project Manger	\$2500
	Software Developer	\$3000
	End Users	\$1000
	Finical Manager	\$2500
	Software Tester	\$1000
	Security Team	\$2000
	Maintenance and support	\$1500
	Total	\$22000

## **Section B (System Requirements Specification and Analysis)**

### System Requirement Specifications

#### Functional Requirements

Functional requirements are a collection of guidelines that specify what the website must be able to accomplish and how it must function to satisfy the demands of its users. These specifications, which specify the operation, features, and capabilities of the website, are precise and quantifiable.

Here, functional Requirements that is essential for the Alternese UI/UX Experience

- User authentication enables users to write and manage their own blog entries by allowing them to register and log in to the website.
- Search functionality: The website should allow users to conduct keyword or other search-related searches to find specific content.
- The website has a category system that enables users to arrange blog articles according to subjects or topics.
- Navigation and menus: The website have an easy-to-use navigation structure, complete with menus and links that direct visitors to specific pages.
- In order to allow people to view the material on a range of devices, the website is responsive, which means that it can adjust to changing screen sizes and device kinds.

#### Nonfunctional Requirements

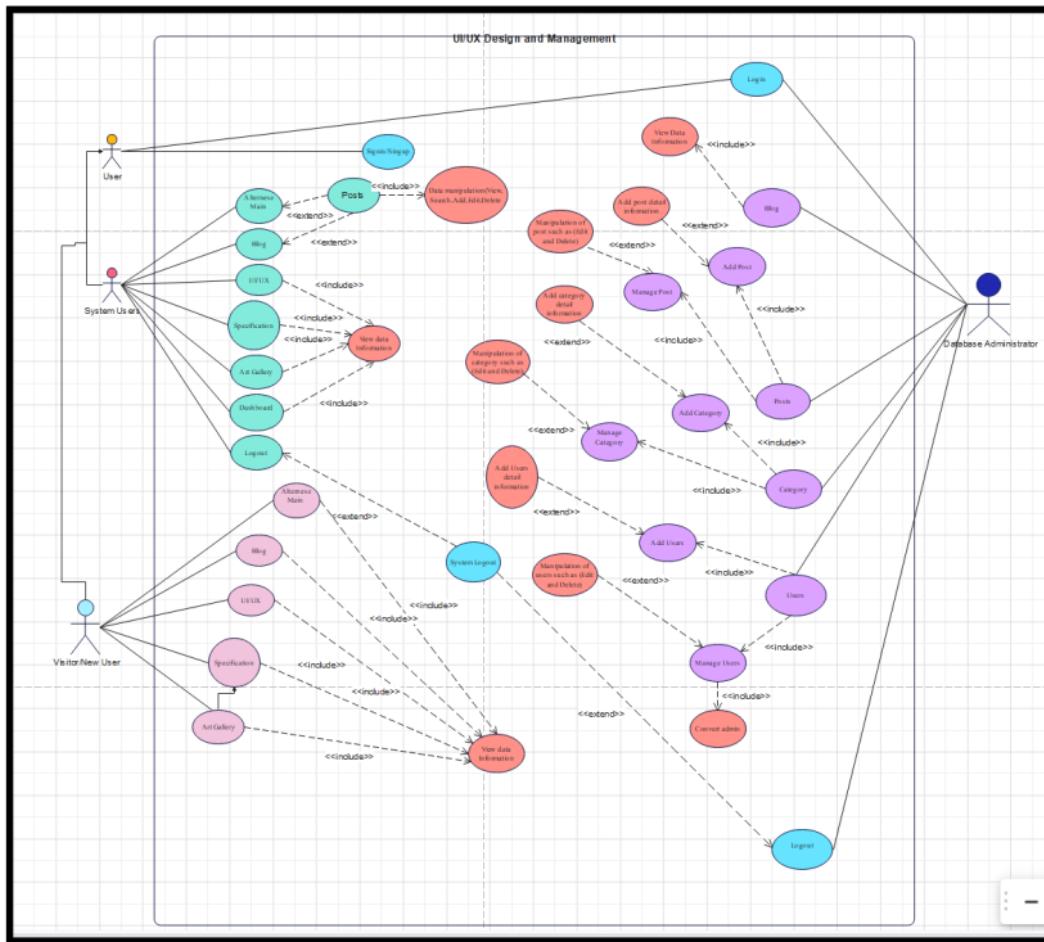
Non-functional requirements are the operational or technical specifications that specify how the system should behave rather than what it should accomplish. These specifications are necessary to make sure the system lives up to the expectations of the user and describe system attributes like performance, dependability, usability, and security. Non-functional needs must be quantifiable and testable in order to be verified during the project's development and testing phases. A website's page load time, for instance, is swift enough to guarantee that users can access the site without any delays. Regardless of the device being used to view it, websites that are

responsive allow people to engage with them without any issues. In order to protect user data from harmful assaults, security regulations have been put in place.

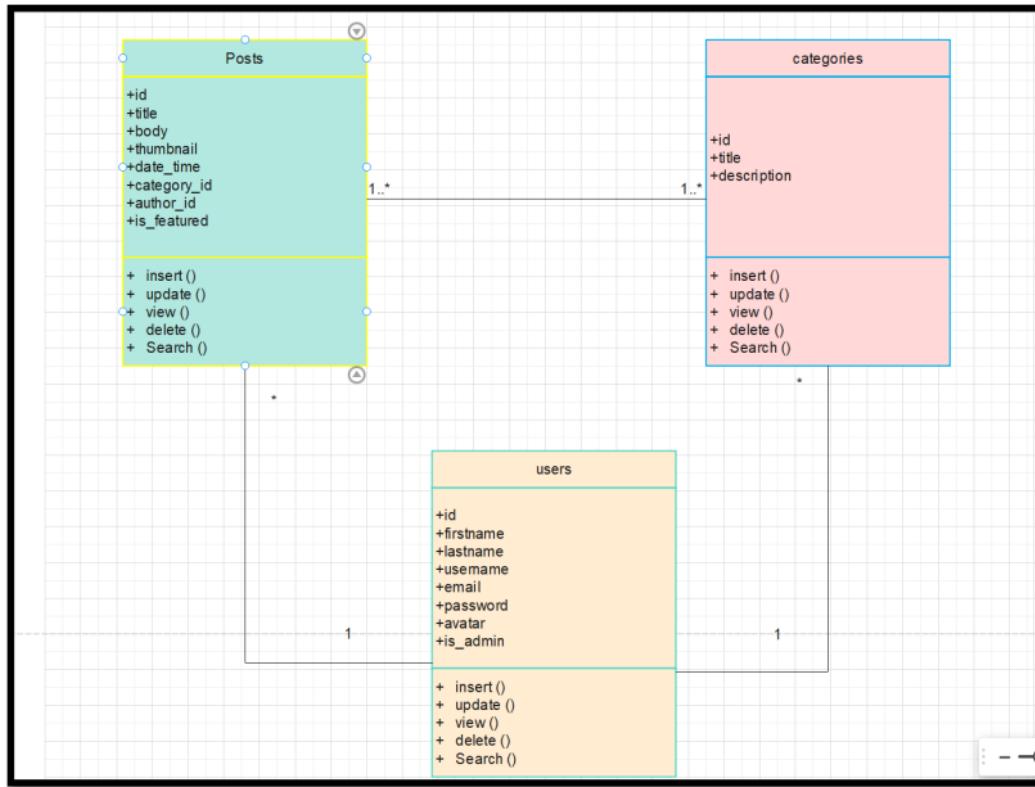
In conclusion, non-functional criteria are essential to a website project's success because they guarantee that the website not only functions as intended but also operates at its best and satisfies the users' needs in terms of usability, security, and performance.

## UML Diagrams for Alternese Website

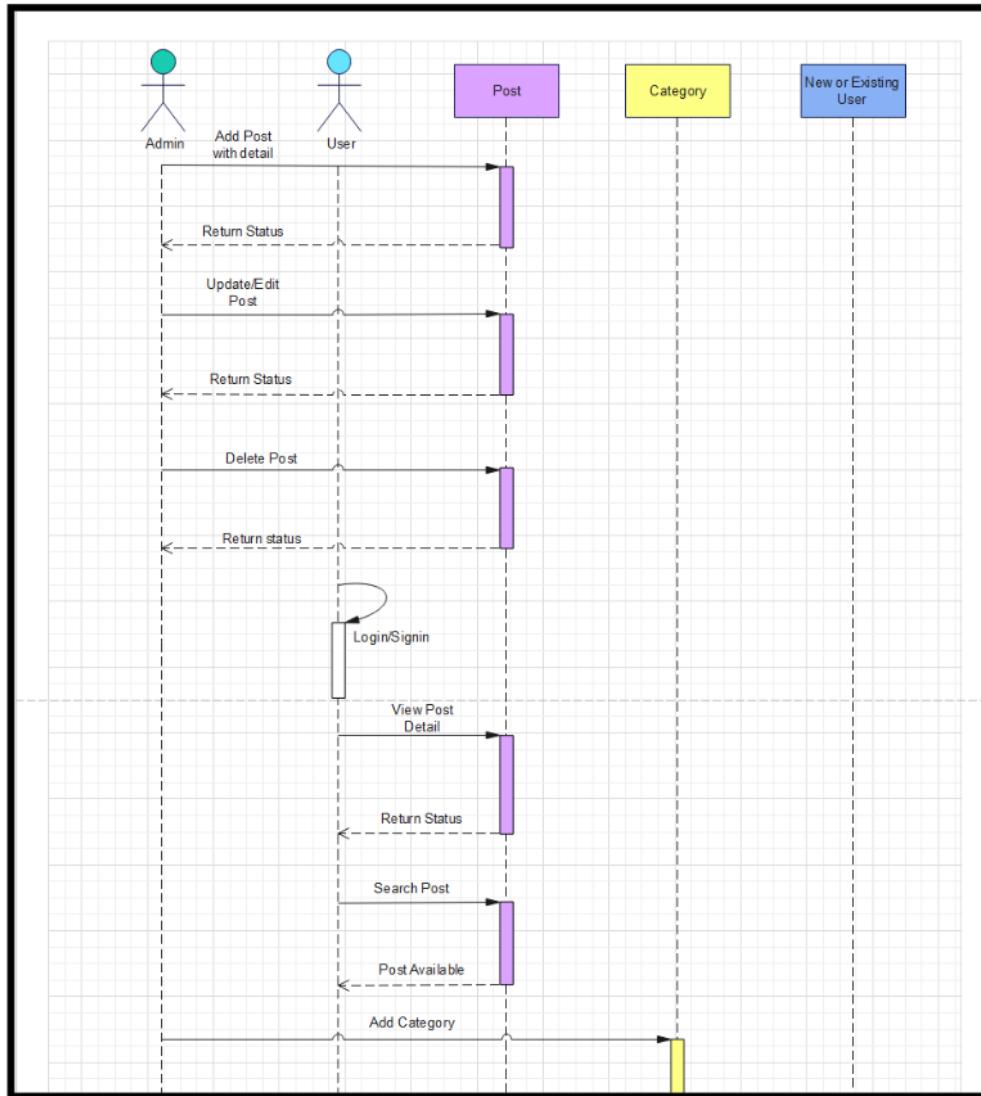
### 1.1 Use Case Diagram

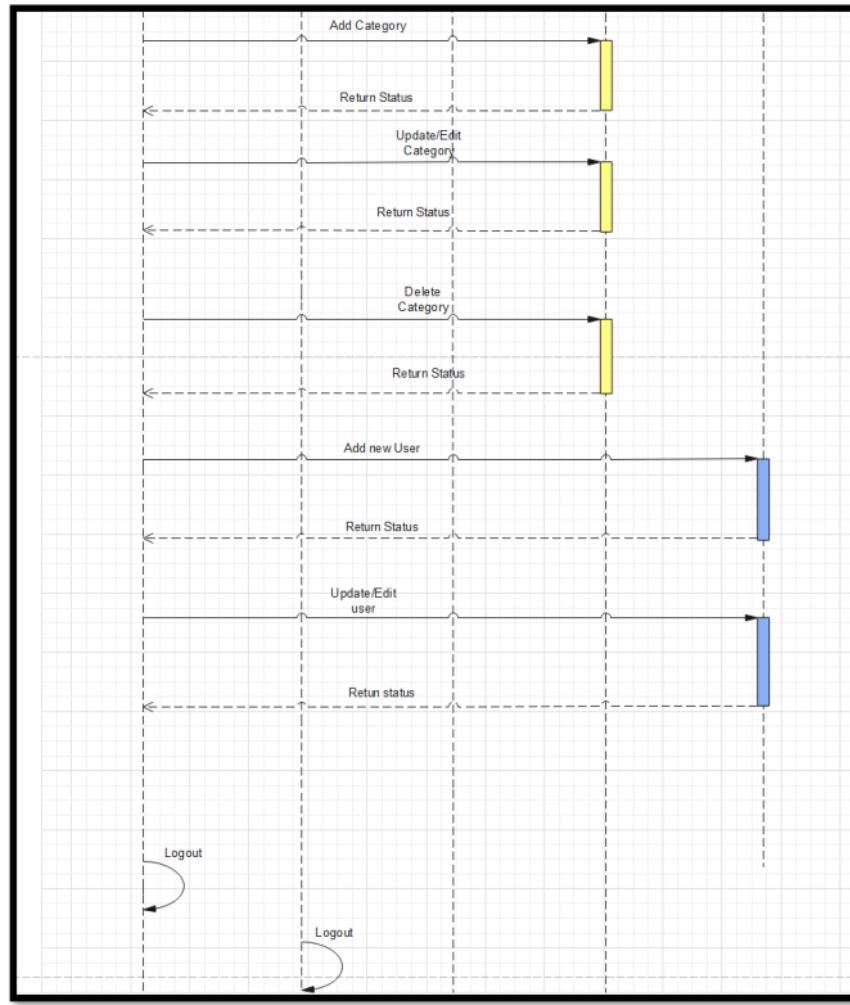


## 1.2 Class Diagram

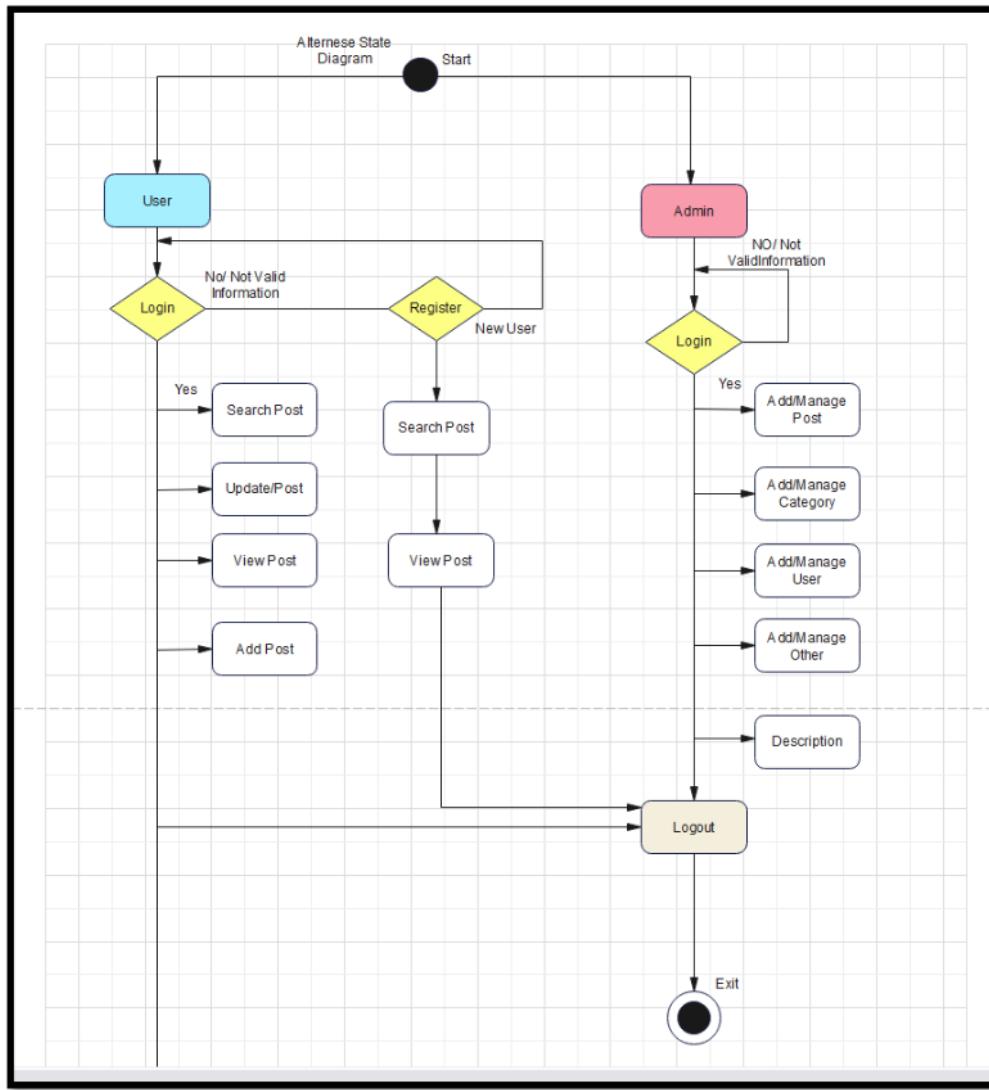


### 1.3 Sequence Diagram

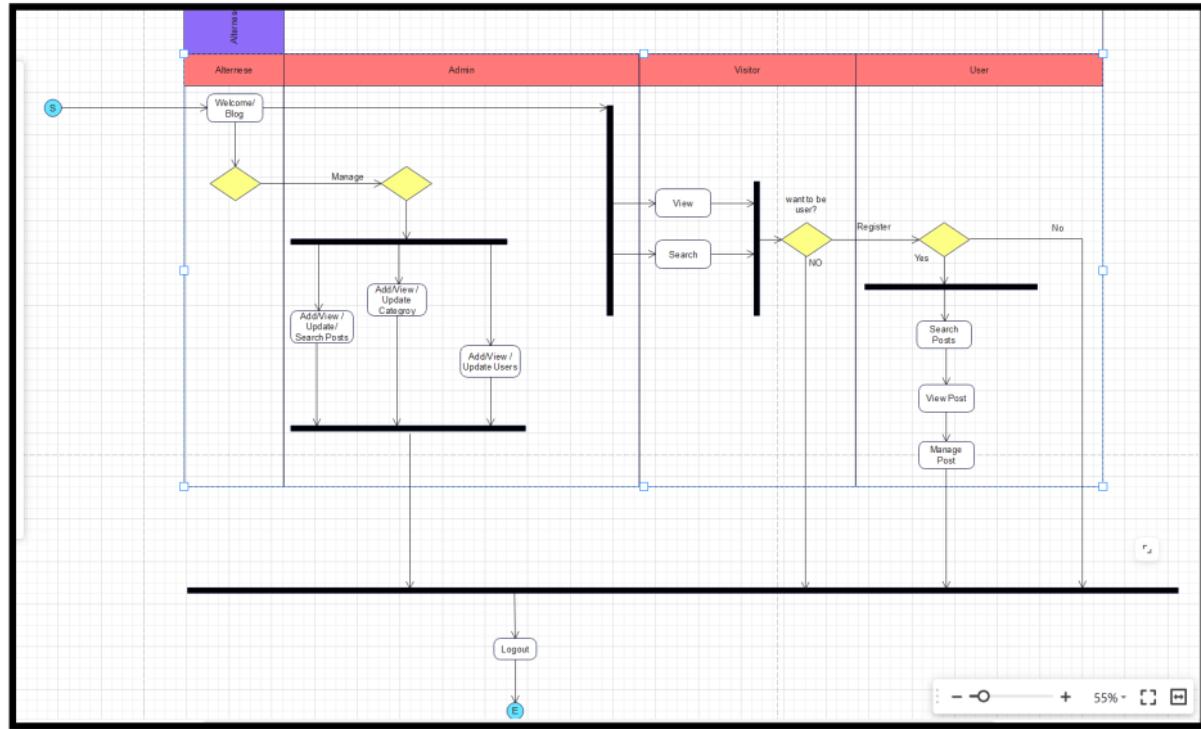




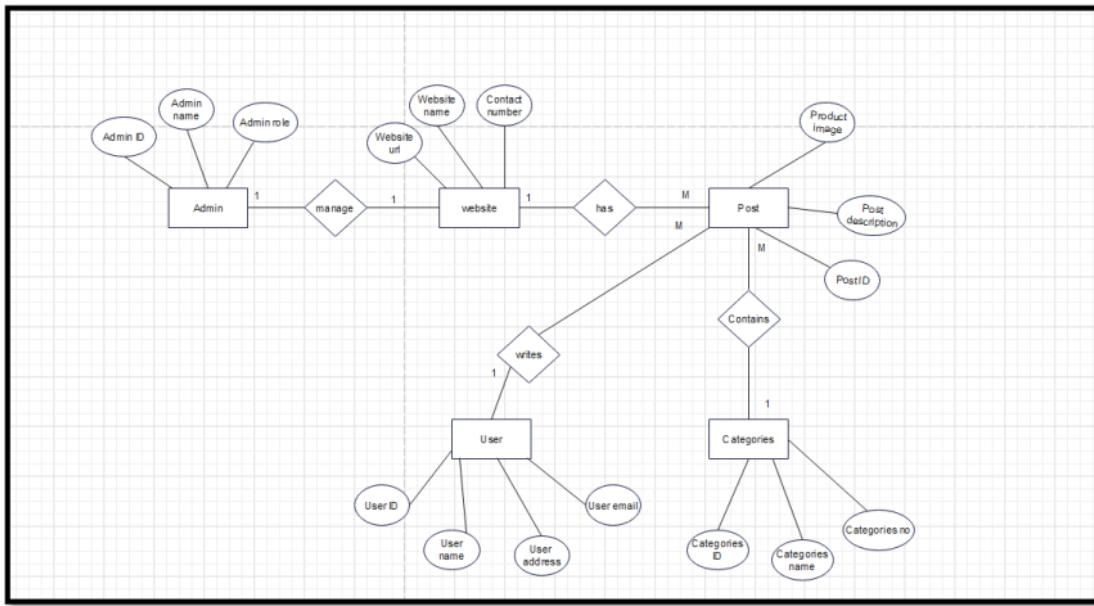
#### 1.4 State Transition Diagram



## 1.5 Activity Diagram



## 1.6 Entity Relationship Diagram (ERD Diagram)



## 1.7 Process Description

Process Name	Description
1.0 Project Planning	<p>1.1 Define project scope and objectives</p> <p>The goal of the project is to construct and implement a web application that enables users to write and publish blog entries with various categories and headings. The program must have a user interface that is both appealing and simple to use, as well as a smooth user experience. Creating a reliable and secure database to house user information and blog entries is also included in the scope.</p> <p>To develop a user-friendly online application that enables users to compose and publish blog entries with categories and titles.</p> <p>To improve user experience, to offer a user-friendly and appealing UI/UX design.</p>
	<p>1.2 Identify project team members</p> <p>Choosing the people or positions responsible for building and managing the website is referred to as identifying project team members. Project manager, UI/UX designer, web developer, content writer, tester, and more positions fall under this category. To guarantee that the project is finished effectively, within the allotted time limit, and within budget, it is crucial to choose the right team members. The team members should also be knowledgeable and skilled enough to contribute to the project's goals.</p>

	1.3 Develop project schedule and budget	<p>Creating a timeline and assigning resources, such as staff, equipment, and money, is required when developing a project plan and budget. The project must be divided into smaller, more manageable jobs, and the time and resources needed for each work must be estimated. Along with identifying possible risks, the project manager must create backup plans to deal with those that could have an impact on the project's budget or schedule. The project schedule and budget for a blog-style website with UI/UX design expertise might include tasks like designing the website's layout, writing the necessary code for the blog functionality, testing the website's usability, and conducting user testing to ensure the best UI/UX design. Expenses like site hosting, software licensing, and any contractual work with designers or developers would need to be covered by the budget.</p>
	1.4 Monitor and control project progress	<p>To keep the project on track, it entails monitoring its development and making necessary modifications. This entails keeping an eye on the project's tasks, money, and schedule as well as spotting any possible risks or problems and taking remedial action to keep the project on track. In the case of a web application for a blog-type website with UI/UX design, this step might involve keeping track of how the website's various features are being developed and making sure they are meeting the project's scope and objectives, keeping track of the project team's progress, and</p>

		identifying any problems that might crop up throughout the development process. The project's budget and schedule may also need to be under control to guarantee that it is finished on time and within the allocated budget.
2.0 User Interface (UI) Design	2.1 Conduct user research and analysis	Conducting user research and analysis is a crucial stage in creating a successful UI/UX for a web application that functions like a blog. Through a variety of research techniques, including surveys, interviews, and analytics, it entails discovering the target audience's wants, preferences, and pain points. After being studied, the data is utilized to develop user personas, user journeys, and wireframes. This makes it easier to make sure that the web application's design is user-centered and satisfies the target market's demands and expectations.
	2.2 Develop wireframes and prototypes	A visual depiction of the website's layout, including the positioning of various categories, post titles, and content on the page, would be created as part of the UI/UX design, wireframe development, and prototyping processes. In order to make sure that readers can easily use and navigate the website, the wireframes and prototypes would also assist test and improve the user experience design. During this stage, wireframes and prototypes may be produced using design software like Sketch, Figma, or Adobe XD.
	2.3 Create visual design concepts	This stage involves developing the website's visual identity, which will include color schemes, typography, and graphics. The target audience, brand image, and

		<p>project goals should all be reflected in the design concepts. The visual design should match the wireframes and prototypes created in the earlier stage, and it is crucial to put the user's experience at the center of all design choices. The design of the website must be beautiful and engaging in order to draw people in and keep them there.</p>
	2.4 Refine design based on feedback	<p>These comments may originate from a variety of sources, including user testing, polls, or feedback forms. Based on this feedback, the design team will alter the visual design and user interface as needed to improve the user experience and make sure the website achieves its goals. Until the desired design is attained, this process of improving the design may need several iterations. The ultimate aim of improving the design in response to user input is to provide a website that is user-friendly, aesthetically pleasing, and caters to the demands of the target audience.</p>
3.0 User Experience (UX) Design	3.1 Define user personas and user scenarios	<p>The target audience's needs, goals, habits, and pain points are all identified at this phase of the project by the project team. The fictitious characters known as "user personas" were developed to reflect the usual users of an online service. The traits, objectives, and requirements of the target audience are represented by these personas, which were developed using research data. On the other hand, user scenarios are made-up tales that illustrate how a user may utilize a web application to accomplish their objectives. These scenarios are employed to pinpoint</p>

		user experience problems and areas for development.
	3.2 Develop user journeys and flowcharts	User journeys show the series of actions a user takes on a website to achieve a certain objective, such as writing a new post or looking for a category. Flowcharts show the user's actions and how the system reacts to those actions. They aid website designers in laying out the logical interaction and flow of information between various pages or parts. In order to make sure that the website's navigation is simple and easy to use, as well as that the user can easily achieve their goals, it is vital to develop user journeys and flowcharts.
	3.3 Conduct usability testing	This includes creating test cases and scenarios, choosing testers who match the user personas, and facilitating the testing process. The feedback gathered is then analyzed and used to improve the overall user experience of the application. In the context of a blog-type web application with category, title, and post features, usability testing may involve tasks such as testing the navigation menu, testing the search function, and evaluating the ease of creating and editing posts.
	3.4 Analyze and refine user experience	To make sure it satisfies the requirements and expectations of the user, this entails examining the website's usability, accessibility, visual design, and content. Updates to the website's design, navigation, search capabilities, content organization, and other user-experience-related components may be made as part of the research and improvement process.

		The ultimate aim is to guarantee that the website offers a satisfying user experience that motivates visitors to interact with the content and return to the site in the future.
4.0 Blog Functionality	4.1 Define blog post categories and tags	Tags are particular words or phrases that characterize the substance of the article, whereas categories are general subjects that blog entries can be categorized under. This improves search engine ranking and makes it easier for people to locate relevant postings on a certain subject. For instance, categories can be "Technology," "Fashion," or "Travel," whereas tags might be "Artificial Intelligence," "Machine Learning," "Programming Languages," etc. for a technical article.
	4.2 Develop blog post creation and editing functionality	This can involve features like a text editor, the capacity to insert pictures or videos, formatting choices (bold, italic, bullet points, etc.), and the capacity to save drafts and submit posts. Additional features that you might wish to add include the option to allow comments on posts as well as the capability to schedule posts for publication in the future. To make sure the intended audience can use it easily and intuitively, this functionality should be developed in accordance with the overall user experience design.
	4.3 Create blog post search and filtering options	This may be done by implementing filters and search capabilities into the layout of your website's blog area. Users should be able to use the search capability to look for certain keywords in the blog post titles and content, and users should be able to utilize the filters to limit the results of their searches based

		on categories, tags, dates, and other pertinent criteria. This function can improve user experience and make it easier for users to discover the blog content they are looking for.
	4.4 Implement commenting and social sharing functionality	This would involve adding features that allow users to comment on blog posts and share them on various social media platforms. The commenting functionality could include options for users to reply to other comments, upvote or downvote comments, and flag inappropriate comments. The social sharing functionality could allow users to share blog posts on social media platforms such as Facebook, Twitter, Instagram, and LinkedIn. This would require integration with the respective APIs of these platforms. The UI/UX design should also consider the placement and visibility of these functionalities to ensure that they are easily accessible and intuitive for users.
5.0 Front-end Development	5.1 Convert design into HTML/CSS templates	In order to achieve this, the design must be disassembled into its component pieces, with code templates being created for each one. The templates must be responsive, meaning they should adjust to various screen sizes and gadgets. Following the creation of the templates, the blog site's real web pages, which display the blog entries, categories, tags, and other pertinent data, will be developed.
	5.2 Develop responsive design for different screen sizes	When creating a responsive design, the HTML/CSS templates and UI/UX design will be modified and optimized to accommodate a variety of devices with varied screen sizes, such as smartphones,

		tablets, laptops, and desktops. Whatever device consumers use to browse your website with, they will get a consistent and optimal experience thanks to this.
	5.3 Implement UI interactions and animations	To make the user experience more interesting and natural, this might involve adding hover effects, click animations, page transitions, and other visual feedback. The intention is to give the app a more dynamic, responsive feel that will help maintain users' attention and engagement.
	5.4 Integrate blog functionality into the front-end	The process of integrating blog features into the user interface of a web application include enhancing the user interface with the appropriate code and features to give users access to and interaction with blog features including creating and editing blog posts, leaving comments, searching, and filtering. This entails creating the required pages, templates, and user interface components as well as including the essential back-end functions, such database queries and API calls. The aim is to produce a smooth user experience that enables users to simply access and utilize the blog features without any technological challenges or misunderstanding.
6.0 Back-end Development	6.1 Set up database and data models	It describes the procedure for creating and putting into use the database structure and data models that will be used to store and arrange the data for the blog application. This entails defining the different entities and connections existing in the system and developing tables, columns, and relationships to represent them in a useful and effective manner.

		<p>The process also entails deciding how the data will be retrieved and stored, including the use of indexes and other speed optimization methods. Any web application must go through this crucial stage since it creates the framework for all subsequent functionality. This part of the development process won't be visible to the user, but it's crucial to make that the blog application functions well and can manage high volumes of data and traffic.</p>
	<p>6.2 Develop authentication and authorization functionality</p>	<p>It refers to the implementation of a system that enables users to set up accounts, log in, access restricted material, or carry out certain tasks depending on their role or permissions. This can entail developing a registration and login process for a blog online application as well as implementing several levels of user access, including admin, editor, and normal user. It guarantees user data protection and privacy and gives users control over who may make specific website-related decisions, such as posting, editing, or deleting comments or blog entries. According to the user's point of view, this capability enables them to have a tailored experience on the website, access their profile and preferences, and engage with the information in various ways depending on their role.</p>
	<p>6.3 Implement blog post storage and retrieval</p>	<p>It refers to the creation of the functionality that enables users to write, save, and retrieve blog articles. This includes setting up a database to hold the post data, defining data models to reflect the post structure, and writing the code.</p>

		<p>that enables users to create new posts, update existing ones, and read posts. The provision of this capability is crucial for the blog's fundamental operation since it allows users to generate and post material on the website.</p>
	<p>6.4 Develop API endpoints for front-end integration</p>	<p>It refers to the creation of the web application's back-end features that will enable server communication between the front-end (UI) and the application. This may involve developing API endpoints for accessing and submitting blog posts, categories, and tags, as well as including search and filtering capability in the case of a blog-type post with categories, a title, and a post. The front-end of the web application will make use of these API endpoints to obtain and display blog entries as well as to manage user interactions with the blog, such as leaving comments or sharing content on social media. This is an essential step in the development process as it guarantees proper communication between the front-end and back-end of the web application, giving a smooth user experience.</p>
<p>7.0 Testing and Quality Assurance</p>	<p>7.1 Conduct functional testing of all features</p>	<p>In order to do this, testing needs to be done for all the various functionalities, including developing API endpoints for front-end integration, implementing authentication and authorization functionality, creating and editing blog posts, categorizing and tagging them, implementing commenting and social sharing functionality, setting up databases and data models, implementing blog post storage and retrieval, and more. Before deploying the application, faults</p>

		<p>and errors are often found and fixed throughout the testing phase by using a predetermined set of test cases and scenarios. The web application's ultimate objective is to guarantee that it is completely functioning and offers a seamless user experience.</p>
	7.2 Perform user acceptance testing	<p>When a web application is being tested for user approval, a set of users are invited to participate and share their opinions. Testing is carried out to make sure that the software is functional, user-friendly, and satisfies users' demands. Users will carry out a variety of actions during this phase to test the functioning of the application, including writing and modifying posts, searching for and filtering posts, as well as commenting on and sharing posts. Prior to the app's distribution to the general public, the users' input on their interactions with the app will be utilized to make any required modifications.</p>
	7.3 Identify and fix bugs and issues	<p>The term "identify and fix bugs and issues" refers to the process of locating and fixing any technical flaws or mistakes that could arise during development, testing, or after the web application has been released. Debugging programming, resolving functionality problems, and dealing with potential compatibility problems are some examples of this. It is crucial to take this stage in order to make sure the application is reliable and usable for people to use and appreciate.</p>
	7.4 Ensure cross-browser compatibility and accessibility	<p>In order to find any compatibility issues and make the required modifications, this requires testing the application across several</p>

		browsers and gadgets. The goal of accessibility is to make an application accessible to all users, including those with impairments. This could entail adding functions like keyboard navigation, high contrast settings, and screen readers.
8.0 Deployment and Maintenance	8.1 Prepare for deployment to production server	The term "prepare for deployment to production server" refers to the process of getting the web application ready to be put on a live server where it may be viewed by people. The responsibilities involved in this procedure include setting up databases, establishing server settings, improving performance, and assuring security. Additionally, it entails developing a deployment strategy and getting all the files and configurations ready to deploy the application to the production server. This stage is crucial to ensuring that the application functions without any problems in a live environment and that users can access it without any problems.
	8.2 Launch the web application	This entails installing the program on a production server and making sure that a public IP address or domain name can access it. Once the application has been started, users may use a web browser or mobile device to access the blog posts, categories, and tags and interact with the UI/UX design to read, search for, and comment on the blog articles. The web application development process ends with the launch phase, which marks the beginning of continuing maintenance and upgrades to make sure the program stays functional and pertinent to user demands.

	8.3 Monitor and maintain server and database performance	<p>"Monitor and maintain server and database performance" refers to the continuing activity of keeping the server and database operating efficiently after the online application has been deployed. This comprises keeping an eye on the server and database to make sure they are operating properly, tweaking server and database configurations to optimize performance, and spotting and resolving any potential problems. In order to provide consumers with a great user experience, the web application must function at its peak performance.</p>
	8.4 Provide ongoing maintenance and support for the application.	<p>This might involve activities like frequently upgrading the application's plugins and software, diagnosing any difficulties that may occur, and offering assistance to users who need it. The performance and user experience of the application may also be improved as part of continuing maintenance and support based on analytics and user input.</p>
1.2 Project Management/Close Out	9.1 Monitoring and tracking project progress and performance.	<p>The term "monitoring and tracking project progress and performance" describes the procedure of monitoring the project's status, milestones, and deliverables throughout the development lifecycle. This entails frequently evaluating the project's performance in comparison to set goals, spotting possible obstacles or problems that might hinder its success, and making modifications as necessary to keep the project on course.</p> <p>Monitoring and tracking project progress and performance could</p>

		<p>involve routinely reviewing development timelines, making sure that all features and functionality are being implemented as planned, and spotting any potential problems or bugs that could negatively affect the user experience for a web application that is related to blog posts with categories, titles, and posts.</p> <p>It could also entail monitoring user interaction with the program, such as page visits, click-through rates, and user reviews, in order to spot potential areas for development that would improve the user experience and encourage more involvement.</p> <p>Overall, tracking and monitoring project progress and performance is crucial to making sure that the web application is successfully constructed and released and that on-going enhancements are made to maintain the program's high performance over time.</p>
	9.2 Managing and mitigating project risks and issues.	<p>Managing and reducing project risks and issues entails spotting possible problems and dangers that could emerge during the creation of the web application and putting preventative or mitigating measures in place. This include assessing the risks and issues' possible effects, creating backup plans to deal with them, and informing stakeholders of the project's progress and any looming problems. By doing this, it is guaranteed that the development process will go as planned and that any problems or risks will be quickly resolved to reduce their</p>

		<p>negative effects on the finished product. This might entail identifying possible security concerns, including unauthorized access to user data, and putting precautions in place to prevent them in the context of a blog-style post online application. To make sure that the program can support an increasing number of users and blog posts, it may also require resolving concerns with the scalability of the application.</p>
	<p>9.3 Communicating and reporting project status to stakeholders and sponsors.</p>	<p>To make sure that everyone is on the same page and aware of the project's progress, difficulties, and dangers, communicating and reporting the project status to stakeholders and sponsors is a crucial component of project management. Stakeholders may also provide opinions and make choices that will help the project move in the right direction.</p>
	<p>9.4 Conducting project closure activities and performing a post-implementation review.</p>	<p>"Conducting project closure activities and performing a post-implementation review" describes the formal process of ending a project and evaluating its effectiveness and lessons gained. This includes checking that all project deliverables have been finished, archiving project materials, holding a final project review with stakeholders, and determining if the project was successful in meeting its goals. The project's performance is examined, along with what worked and what didn't, and suggestions for improvement are made for future endeavors. This assignment would entail looking at the development and deployment procedures for the web application in the context of blog postings,</p>

		evaluating its functionality and usability, getting user feedback, and finding areas that may be improved in subsequent iterations.
--	--	---

## 1.8 Data Dictionaries

### Posts Table

Data Name/Field Name	Table	Data Type	Field Size	Constraint	Description
id	Posts Table	int	11	Primary Key	Post Id, auto generated
title	Posts Table	varchar	255	No null	Title of the Post
body	Posts Table	text	-	No null	Content of the post
thumbnail	Posts Table	varchar	255	No null	The picture/video/file for the post
date_time	Posts Table	timestamp	-	No null	The duration of the post upload and update
Category_id	Posts Table	int	11	Yes Null	The posts belong to which category
Author_id	Posts Table	int	11	Foreign Key	The user and the admin who posted the post
is_featured	Posts Table	tinyint	1	Foreign Key	The post that is featured by the user and the admin

## Normalization

id	title	body	thumbnail	date_time	Category_id	Author_id	is_featured
4	excuse me this is my edit post	For as long as humanity has existed, art has been....	1681900485mu.jpg	2023-04-17 16:44:10	2	3	0
7	Hello this is the AI File	Lorem Ipsum is simply dummy text of the printing ...	1681831337e2.jpg	2023-04-18 21:41:45	4	6	1
8	This is the Wild Life Photo	Contrary to popular belief, Lorem Ipsum is not sim...	1681983510nature852.png	2023-04-19 16:59:30	3	6	1

## Categories Table

Data Name/Field Name	Table	Data Type	Field Size	Constraint	Description
id	Categories Table	int	11	Primary Key, Auto Increment	This is the categories id with the auto generated
title	Categories Table	varchar	50	NO Null	This the title id/name for the category
Description	Categories Table	text	--	No Null	The Description is the content of the post posted by user.

## Normalization

id	title	Description
1	Foods	Food is one of the most essential necessities to my life.
2	Animals	This is the section of Animals.
3	Art	This is an Art studio.
4	Science and Technology	This is the description of science and technology
5	Uncategorized	This is the description of uncategorized categories
6	Wildlife	This is the description of Wildlife...

## Users Table

Data Name/Data Field	Table	Data Type	Max Field Size	Constraints	Description
id	Users	Int	11	Primary Key	User ID, auto Generated
firstname	Users	varchar	50	No Null	The first name is required to sign up the form

Lastname	Users	varchar	50	No Null	Also, the last name is for the signup page
Username	Users	varchar	50	No Null	The username is need to sign in and login back to be part of the system
Email	Users	varchar	100	No Null	Email Validation is also required to fill in the signup form.
password	Users	varchar	255	No Null	Password is required for users' security.
avatar	Users	varchar	255	No Null	Avatar is an image that is used to display the personality of the user.
is_admin	Users	tinyint	1	No Null	The user can be admin if requested to the system administrator.

## Normalization

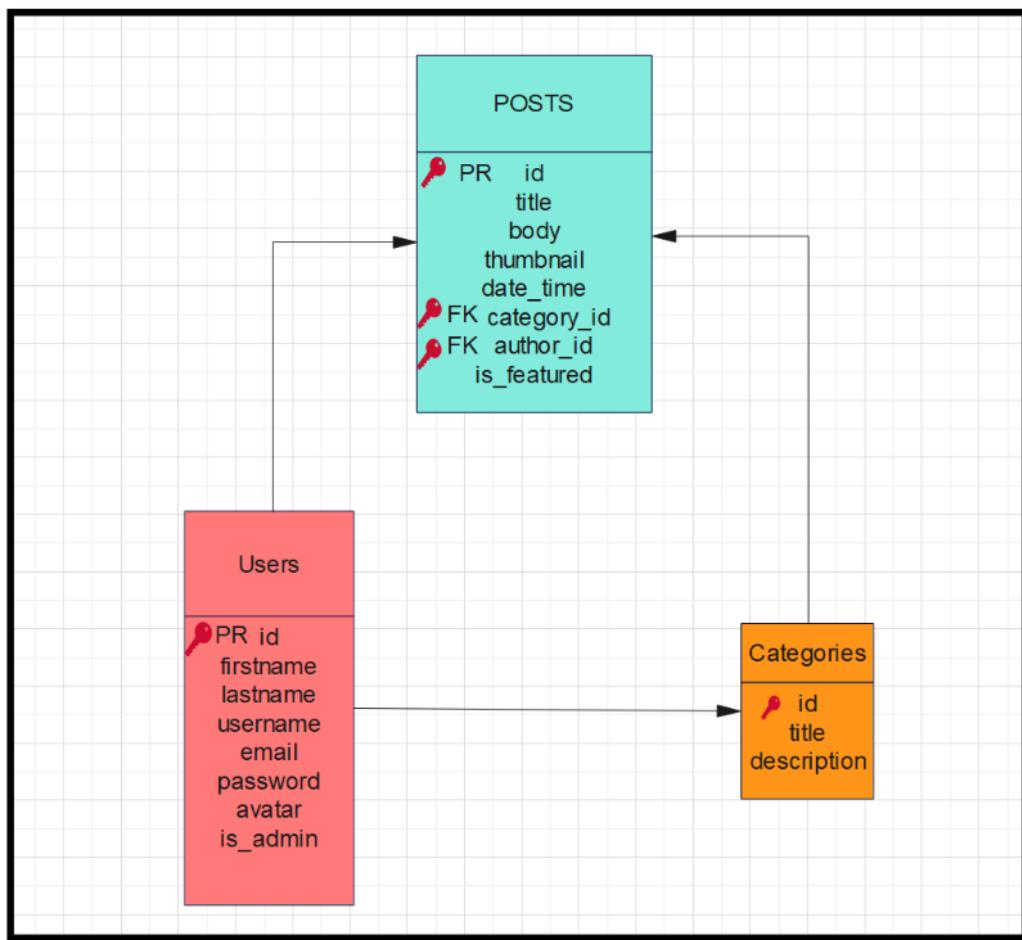
Id	firstname	lastname	username	email	password	Avatar	is_admin
1	Aung Tun	Lin	DIAN	Gerard@gmail.com	\$2y\$10\$0vgtGvX.9cVmHcr./8OciufcPZR9m2BL4DeEb5SdrT2QBE9nIbW	1681549104icon.png	0
3	Selena	Gomez	Selgo	Gomezsel34@gmail.com	\$2y\$10\$dZ3urPhx8X2O1MC0r0SQvOKkaydxTnGB15lrH8NiRUQbzyYC5gEAa	1681641146download.jpg	1
6	Sing	is	sing	Sing45@gmail.com	\$2y\$10\$o2aLpsQtqw7h6FGMnxwG5uhWcU3r.hYC0LZY3dRCzi2OoG8RSpZEm	1681830478wizard.png	0
7	Su	Hlaing	Teacher Su	hlaing@gmail.com	\$2y\$10\$o2aLpsQtqw7h6FGMnxwG5uhWcU3r.hYC0LZY3dRCzi2OoG8RSpZEm	1681983661girl.jpg	0

## Section C

### 1. System Design

#### Database Design

#### DB Relationship



## Section C Database Design

### Posts Table

The screenshot shows the phpMyAdmin interface for a database named 'lifephp'. On the left, the database structure is displayed with tables: categories, posts, and users. A 'Create new table' dialog is open in the center, showing fields for 'Table name' (set to 'posts') and 'Number of columns' (set to '4'). Below the table list, there is a 'Create' button.

The screenshot shows the 'posts' table data grid in phpMyAdmin. The table has columns: id, title, body, thumbnail, date\_time, category\_id, author\_id, and is\_featured. Three rows of data are visible:

	id	title	body	thumbnail	date_time	category_id	author_id	is_featured
	4	excuse me this is my edit post	For as long as humanity has existed, art has been	1681900485mu.jpg	2023-04-17 16:44:10	2	3	0
	7	Hello this is the AI file	Lorem Ipsum is simply dummy text of the printing	1681831337e2.jpg	2023-04-18 21:41:45	4	6	0
	8	This is the wild life photo	Contrary to popular belief, Lorem Ipsum is not	1681983510nature852.png	2023-04-19 16:59:30	3	6	1

**Table structure**

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	<b>id</b>	int(11)	utf8mb4_general_ci	unsigned	No	None	AUTO_INCREMENT	More	Change  Drop More
2	<b>title</b>	varchar(255)	utf8mb4_general_ci		No	None		More	Change  Drop More
3	<b>body</b>	text	utf8mb4_general_ci		No	None		More	Change  Drop More
4	<b>thumbnail</b>	varchar(255)	utf8mb4_general_ci		No	None		More	Change  Drop More
5	<b>date_time</b>	timestamp			No	current_timestamp()		More	Change  Drop More
6	<b>category_id</b>	int(11)	unsigned	Yes	NULL			More	Change  Drop More
7	<b>author_id</b>	int(11)	unsigned	No	None			More	Change  Drop More
8	<b>is_featured</b>	tinyint(1)			No	None		More	Change  Drop More

Change Drop Primary Unique Index Spatial Fulltext Add to central columns  
 Remove from central columns

1 column(s) after is\_featured

## Categories Table

**Browse**

Showing rows 0 - 5 (6 total). Query took 0.0003 seconds.

	<b>id</b>	<b>title</b>	<b>description</b>
	1	Food	Food is one of the most essential necessity to my...
	2	Animals	This is the section of Animals
	3	Art	This is an Art studio
	4	Science and technology	This is the description of science and technology
	5	Uncategorized	This is the description of uncategorized categorie...
	6	Wildlife	This is the description of Wildlife

Copy Delete Export  
 25 Filter rows Search this table Sort by key None  
 Copy to clipboard Export Display chart Create view

phpMyAdmin

Servers: 127.0.0.1 \* Databases: finalphp \* Table: categories

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	<b>id</b>	int(11)	utf8mb4_general_ci	unsigned	No	None	AUTO_INCREMENT	More	
2	<b>title</b>	varchar(50)	utf8mb4_general_ci		No	None		Primary	
3	<b>description</b>	text	utf8mb4_general_ci		No	None		Unique	

Add 1 column(s) after description Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY		BTREE	Yes	No	id	6	A	No	

## User's Table

phpMyAdmin

Servers: 127.0.0.1 \* Databases: finalphp \* Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

	id	firstname	lastname	username	email	password	avatar	is_admin	
	1	Aung	Tunn	DIAN	Gerrard@gmail.com	\$2y\$10\$0vgtGvX.9cVmHkr.lOcuufPZR0m2BL4dEb5SdT...	1681549104icon.png	0	
	3	Selena	Gomez	Seigo	Gomezsel04@gmail.com	\$2y\$10\$dzJurPx8201MCOr05QvOkkeydxTnGB15iH8NRIUQ...	1681641146download.jpg	1	
	6	Sing	is	sing	Sing45@gmail.com	\$2y\$10\$2alpsQtew76FGHmxwG5uhWCU3rHYC0LZY3dRCz2...	1681830478wizard.png	0	
	7	Su	Huang	Teacher Su	Huang@gmail.com	\$2y\$10\$VqSrLJUxpIDUvIJZq5.Yzuo1BXIfO0SiEi1164wQS...	1681903661girl.jpg	0	

Check all With selected:

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Bookmark this SQL query

Label:  Let every user access this bookmark

Bookmark this SQL query

phpMyAdmin

Server: 177.0.0.1 > Databases: Altemese > Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	<b>id</b>	int(11)	utf8mb4_general_ci	UNIQUE	No	None	AUTO_INCREMENT		More
2	<b>firstname</b>	varchar(50)	utf8mb4_general_ci		No	None			More
3	<b>lastname</b>	varchar(50)	utf8mb4_general_ci		No	None			More
4	<b>username</b>	varchar(50)	utf8mb4_general_ci		No	None			More
5	<b>email</b>	varchar(100)	utf8mb4_general_ci		No	None			More
6	<b>password</b>	varchar(255)	utf8mb4_general_ci		No	None			More
7	<b>avatar</b>	varchar(255)	utf8mb4_general_ci		No	None			More
8	<b>is_admin</b>	tinyint(1)			No	None			More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns

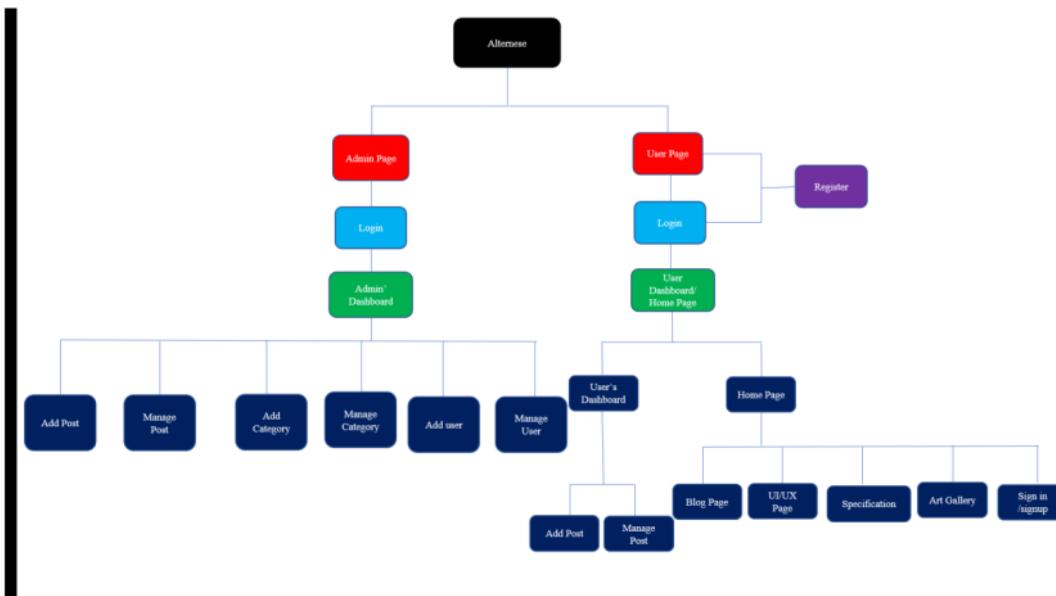
Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after is\_admin Go

Indexes

## Hierarchy Chart



## Mini Specification

### User

**Registration**-The Visitor can become the user and the admin after completing of registration

**Login**-After the Registration the user has to login back to access this page. Admin also has to login to access the Dashboard

**Home Page**-It is the first impression of the webpage when the visitor surf to it.

**User's Dashboard**-The Dashboard of user is to manipulate user's post.

**Add post**- Users Can Add a new post to the blog page.

**Manage Post**-Users Can Manage the existing post such as editing and deleting of the post

**Blog Page**-The main blog page is to get the knowledge from the post with the body as a content.

**UI/UX page**- This Page represent the motion of the art for the user to experience those art.

**Specification**- This Page contain of UI/UX Page with the more specification.

**Art Gallery**- This an Art Gallery Page where the random photo is rotating 360 degrees.

### Admin

**Login**- The admin can log into the system for the sign in form.

**Admin's Dashboard**- The admin Dashboard is to manipulate the Data of the Users and the admin.

**Add Post**- The admin can Add Post of his own to the web page.

**Manage Post**- The admin can manage the post of the admin and the users by updating and deleting.

**Add Category**- The administrator can add the different Category of the different users.

**Manage Category**- The admin can Manage the Category of the different users by editing and deleting.

**Add User**-Admin can add new user easily.

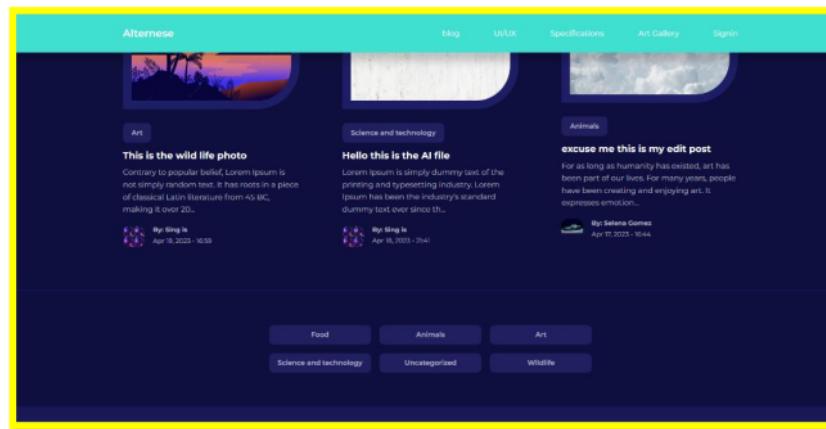
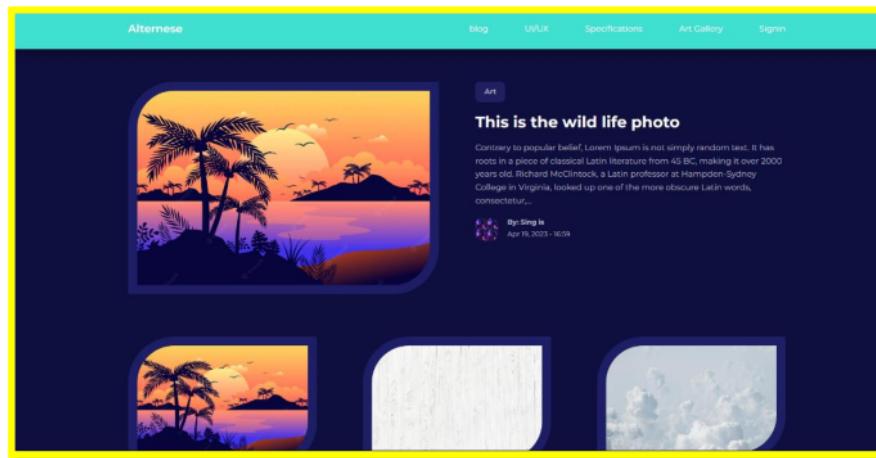
**Manage user**- Admin can manage the users by giving the authority of the Admin to manipulate the data of the users.

## 1.4 Interface Design

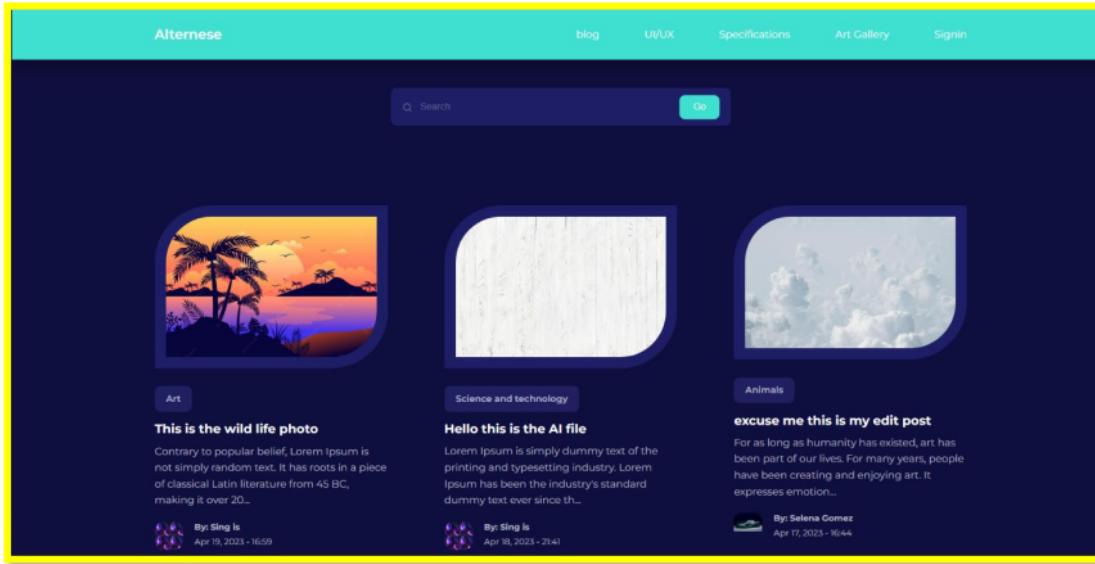
### Design Plan

User Interface / Visitor Interface

Home Page

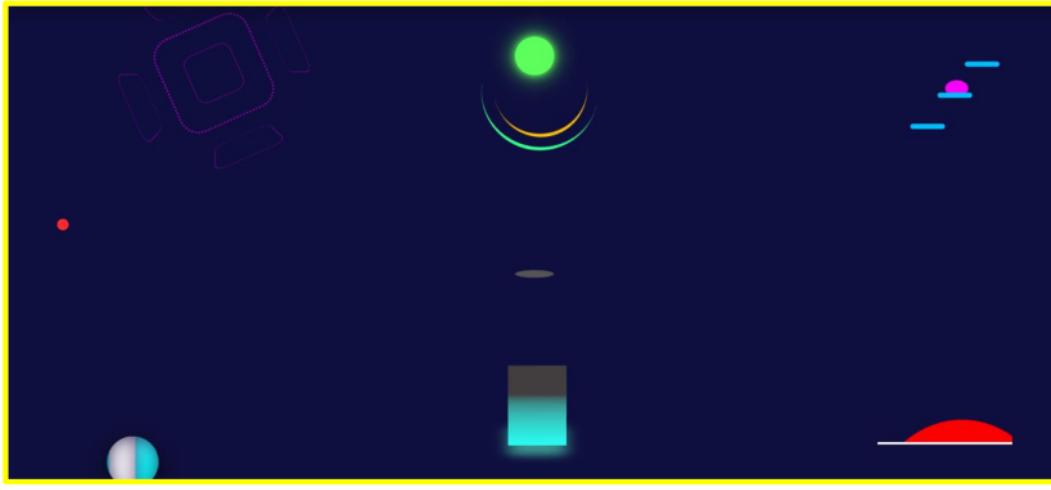


## Blog Page

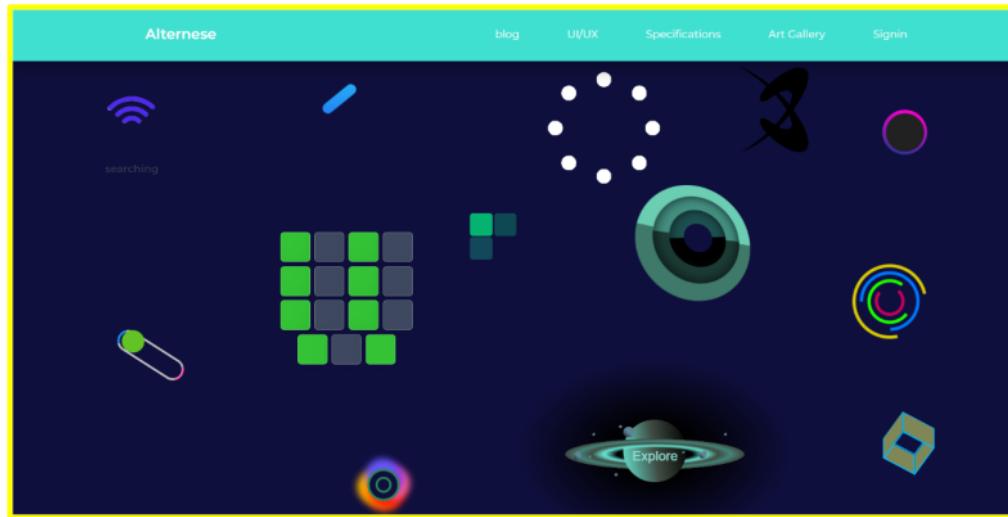


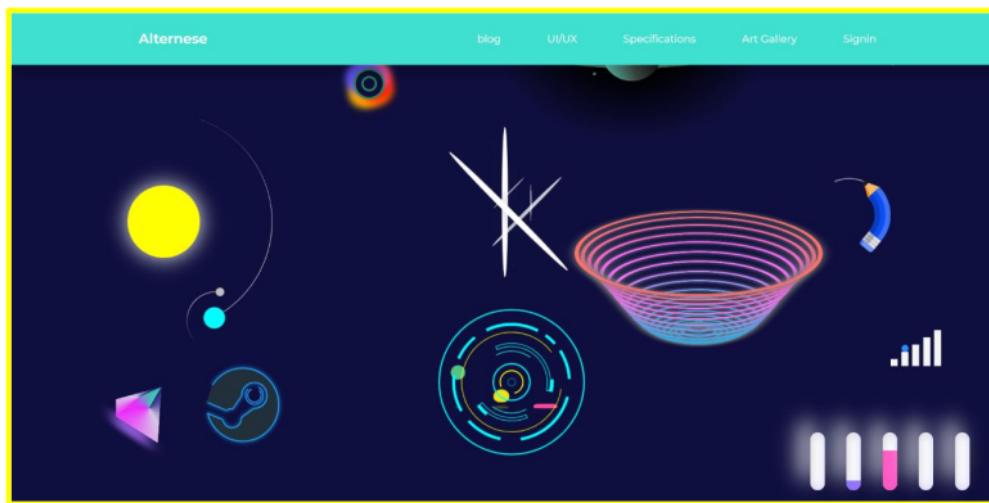
## UI/UX Page



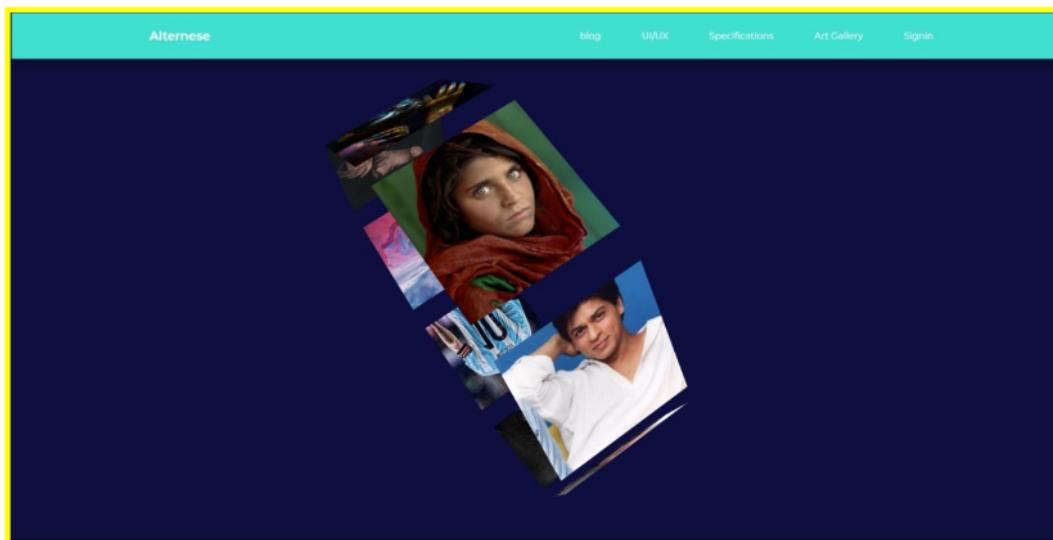


## UI/UX Specification

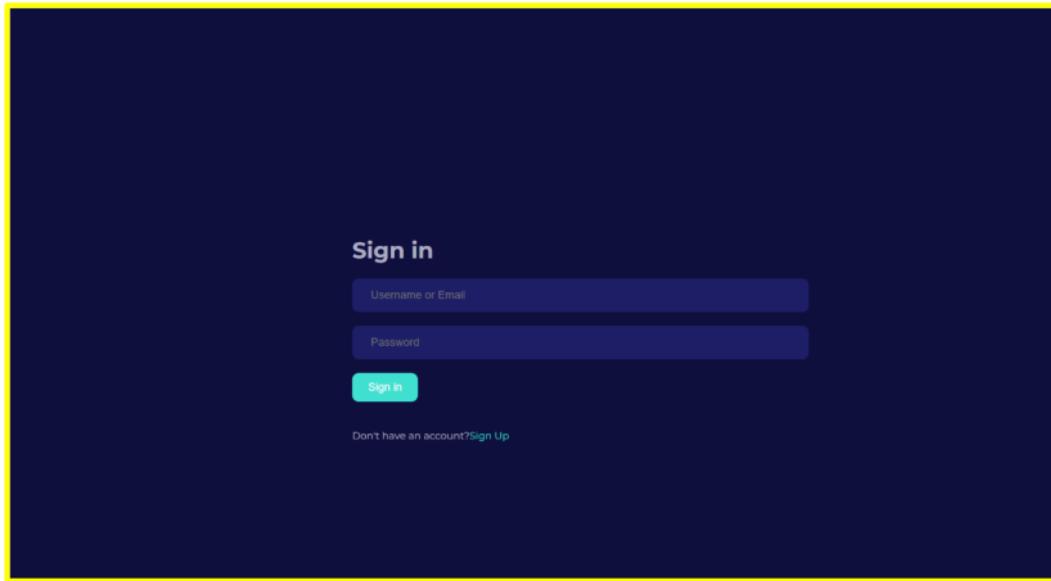




## Art Gallery

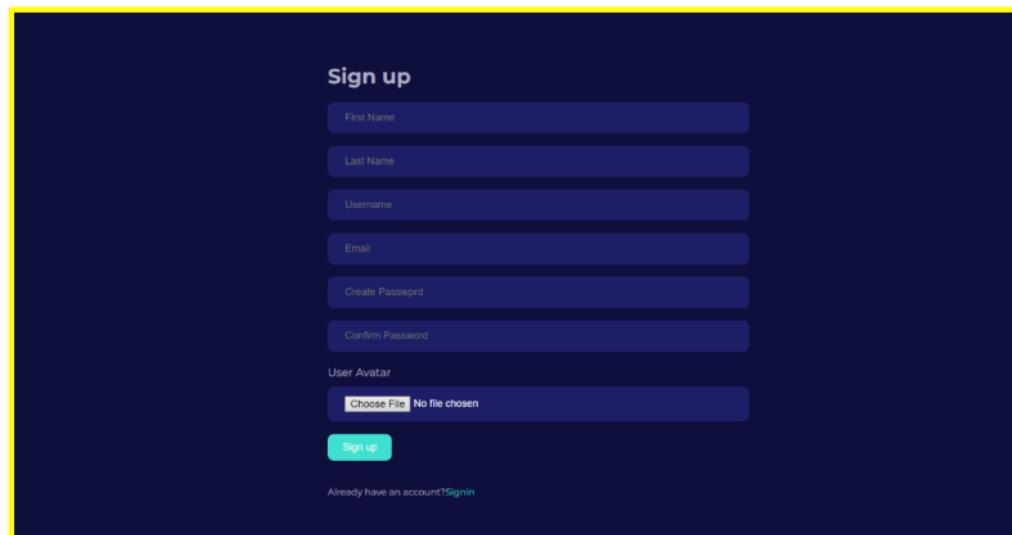


Sign in/Login page



The sign-in page features a dark blue header with the word "Sign in" in white. Below the header are two input fields: "Username or Email" and "Password", both with placeholder text. A teal "Sign in" button is positioned below the password field. At the bottom, a link reads "Don't have an account? [Sign Up](#)". The entire form is enclosed in a yellow border.

Signup page



The sign-up page has a dark blue header with the word "Sign up" in white. It contains six input fields for "First Name", "Last Name", "Username", "Email", "Create Password", and "Confirm Password". Below these is a "User Avatar" section with a file input field labeled "Choose File" and "No file chosen". A teal "Sign up" button is located at the bottom. A link at the very bottom reads "Already have an account? [Signin](#)". The entire form is enclosed in a yellow border.

### User's Dashboard for Manage Post

The screenshot shows the user's dashboard for managing posts. The top navigation bar includes links for blog, UI/UX, Specifications, and Art Gallery, along with a user profile icon. A sidebar on the left contains buttons for 'Add Post' and 'Manage Posts'. The main content area is titled 'Manage Users' and displays a table with two rows of data. Each row represents a post with fields for Title, Category, and actions (Edit, Delete). Below the table are social sharing icons.

Title	Category	Edit	Delete
This is the wild life photo	Art	<a href="#">Edit</a>	<a href="#">Delete</a>
Hello this is the AI file	Science and technology	<a href="#">Edit</a>	<a href="#">Delete</a>

### User's Add Post Page

The screenshot shows the user's add post page. The top navigation bar includes links for blog, UI/UX, Specifications, and Art Gallery, along with a user profile icon. The main content area is titled 'Add Post' and contains fields for 'Title' and 'Category' (set to 'Food'). There is a large text area for the post content. Below these fields is a section for adding a thumbnail, with a 'Choose File' button and a placeholder 'No file chosen'. At the bottom is a green 'Add Post' button.

## Admin's Dashboard Page

The screenshot shows the Admin's Dashboard Page. At the top, there is a navigation bar with links for 'blog', 'UI/UX', 'Specifications', and 'Art Gallery'. On the right side of the navigation bar is a user profile icon. Below the navigation bar, the main content area has a dark blue header with the title 'Manage Users' in white. To the left of the main content, there is a sidebar with a teal background containing several management options: 'Add Post', 'Manage Posts', 'Add User', 'Manage User', 'Add Category', and 'Manage Category'. The main content area displays a table with two columns: 'Title' and 'Category'. There is one row visible with the title 'excuse me this is my edit post' and the category 'Animals'. To the right of this row are 'Edit' and 'Delete' buttons.

## Admin's Add post page

The screenshot shows the Admin's Add post page. At the top, there is a navigation bar with links for 'blog', 'UI/UX', 'Specifications', and 'Art Gallery'. On the right side of the navigation bar is a user profile icon. Below the navigation bar, the main content area has a dark blue header with the title 'Add Post' in white. The form fields include a 'Title' input field containing 'Food', a dropdown menu set to 'Food', a large text area for the post content (which is currently empty), a checked checkbox for 'Featured', a 'Add Thumbnail' section with a file input field showing 'Choose File No file chosen', and a final 'Add Post' button at the bottom.

### Admin Edit Post Interface

The screenshot shows the 'Edit Post' interface. At the top, there's a navigation bar with links for 'blog', 'UI/UX', 'Specifications', and 'Art Gallery'. Below the navigation is a title 'Edit Post' and a text input field containing 'excuse me this is my edit post'. A dropdown menu shows 'Food' as the selected category. The main content area contains a rich text editor with the following text:  
For as long as humanity has existed, art has been part of our lives. For many years, people have been creating and enjoying art. It expresses emotions or expression of life. It is one such creation that enables interpretation of any kind.  
It is a skill that applies to music, painting, poetry, dance and more. Moreover, nature is no less than art. For instance, if nature creates something unique, it is also art. Artists use their artwork for passing along their feelings.  
Thus, art and artists bring value to society and have been doing  
A checkbox labeled 'Featured' is checked. Below it is a 'Change Thumbnail' section with a file input field showing 'Choose File No file chosen'. At the bottom right is a blue 'Update Post' button.

### Admin's Manage User and Delete design page

The screenshot shows the 'Manage Users' interface. At the top, there's a navigation bar with links for 'blog', 'UI/UX', 'Specifications', and 'Art Gallery'. On the left, a sidebar contains buttons for 'Add Post', 'Manage Posts', 'Add User', 'Manage User', 'Add Category', and 'Manage Category'. The main area is titled 'Manage Users' and displays a table of users:

Name	Username	Edit	Delete	Admin
Aung Tun Lin	DIAN	<a href="#">Edit</a>	<a href="#">Delete</a>	No
Sing is	sing	<a href="#">Edit</a>	<a href="#">Delete</a>	No
Su Hlaing	Teacher Su	<a href="#">Edit</a>	<a href="#">Delete</a>	No

## Admin's Add users design page

Add User

First Name

Last Name

Username

Email

Create Password

Confirm Password

Author

User Avatar

Choose File No file chosen

Add user

## Edit User Design Page

Edit User

Aung Tunn

Lin

Author

Update user

### Admin's Manage and Delete Category Design Page

Title	Edit	Delete
Animals	<button>Edit</button>	<button>Delete</button>
Art	<button>Edit</button>	<button>Delete</button>
Food	<button>Edit</button>	<button>Delete</button>
Science and technology	<button>Edit</button>	<button>Delete</button>
Uncategorized	<button>Edit</button>	<button>Delete</button>
Wildlife	<button>Edit</button>	<button>Delete</button>

### Admin's Add Category Design Page

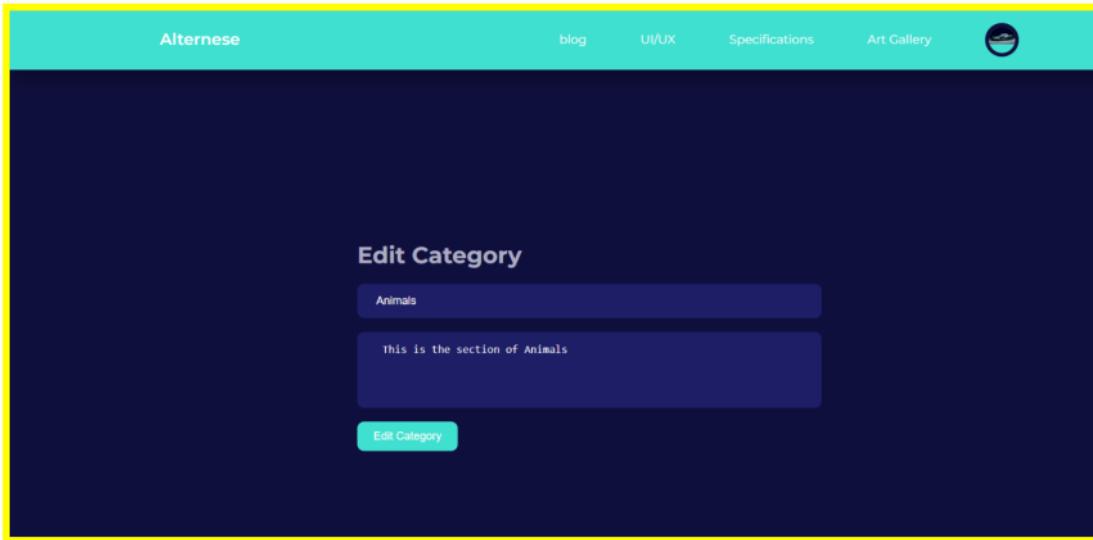
Add Category

Title

Description

Add Category

## Admin's Edit Category Design Page



## 1.5 Security Feature of the System

In order to authenticate users and manage their access to private features and data, secure login procedures, password encryption, and role-based access control are implemented. Data is transferred securely over the network by using encryption protocols like HTTPS to secure communication between the web server and users' browsers. Implementing input validation and data sanitization techniques can help prevent common security flaws like cross-site scripting (XSS) and SQL injection attacks.

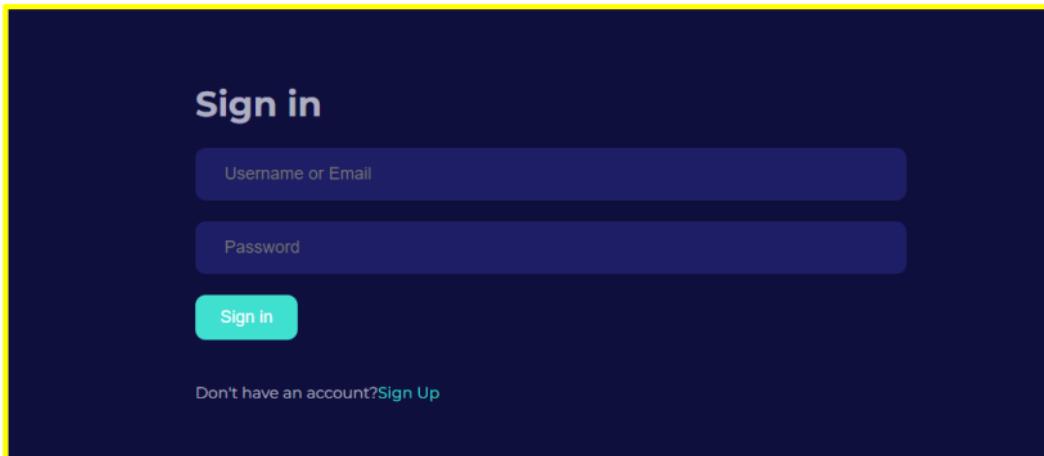
Protection against cross-site request forgery (CSRF) involves putting in place systems to validate and check the accuracy of user requests as well as safeguards against illegal activities taken on behalf of authorized users. Patching and updating software on a regular basis maintaining the most recent security updates and fixes for addressing known vulnerabilities on the web application and its supporting software frameworks. Backup and disaster recovery: Performing routine backups of the program and its data to make sure that, in the case of any unanticipated problems or data loss, the system can be restored to a prior state. Setting up monitoring systems to find and address any security lapses or suspicious activity, as well as documenting significant security-related occurrences for auditing and investigative needs.

## Section D

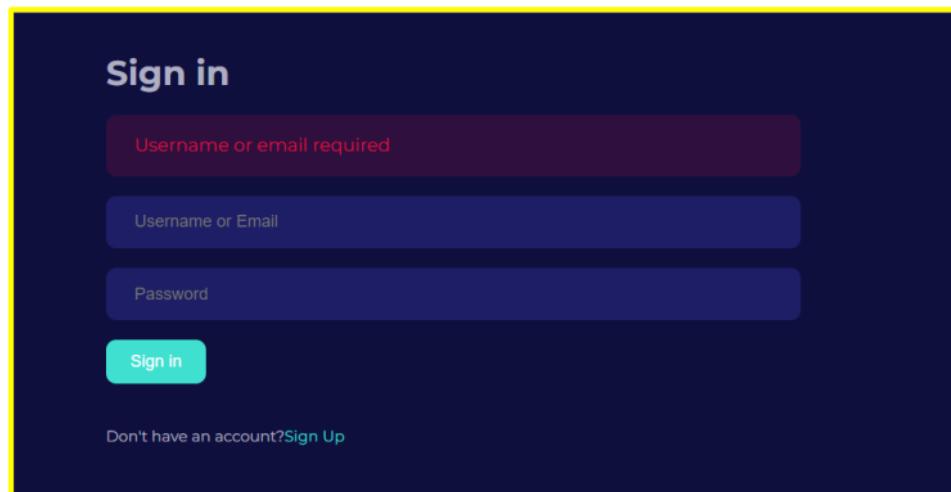
### 1. Testing Frame Data & Result

#### 1.1 Test Plan

No.1 Sign in / Login Page for User



Sign in page contain username or email and Password field to sign in for the existing user and the admin. If the user or the visitor is new to system, they can sign up easily.



If the user or Admin does not enter the data it will show the validation that “Username or email is required.

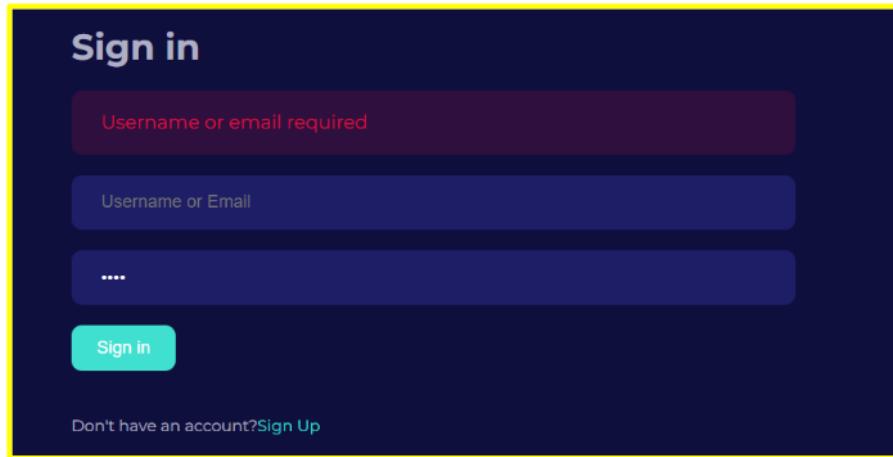
## Sign in

Username or email required

Username or Email

Sign in

Don't have an account? [Sign Up](#)

A screenshot of a sign-in form with a yellow border. At the top, the word "Sign in" is displayed in white. Below it is a red error message box containing the text "Username or email required". Underneath is a blue input field labeled "Username or Email". Below that is a blue input field labeled "Password" with three dots visible. At the bottom is a teal "Sign in" button. At the very bottom of the form, there is a link "Don't have an account? [Sign Up](#)".

If the user just types the password and click sign in it won't proceed because the Username or email is required.

## Sign in

Password required

Sing

Sign in

Don't have an account? [Sign Up](#)

A screenshot of a sign-in form with a yellow border. At the top, the word "Sign in" is displayed in white. Below it is a red error message box containing the text "Password required". Underneath is a blue input field labeled "Sing". Below that is a blue input field labeled "Password" with three dots visible. At the bottom is a teal "Sign in" button. At the very bottom of the form, there is a link "Don't have an account? [Sign Up](#)".

If the user does not enter the password, it will show the field that password is required

## Sign in

sing

.....|

Sign in

Don't have an account? [Sign Up](#)

A screenshot of a sign-in form with a yellow border. At the top, the word "Sign in" is displayed in white. Below it is a blue input field labeled "sing". Underneath is a blue input field labeled "Password" with three dots visible and a cursor at the end. At the bottom is a teal "Sign in" button. At the very bottom of the form, there is a link "Don't have an account? [Sign Up](#)".

If the user enters the correct Name and the password that match in the Database it will take you to the user's Dashboard page

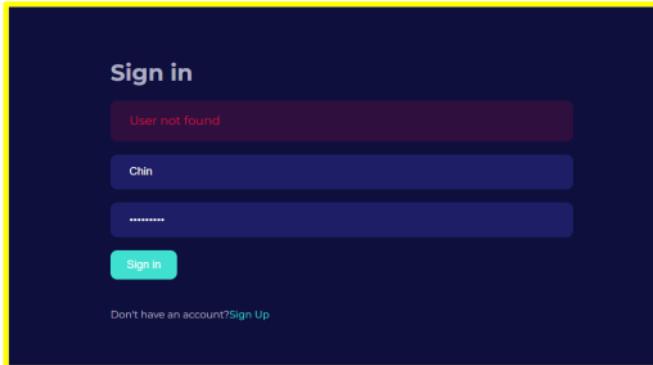
The screenshot shows a dark-themed web application interface. At the top, there's a navigation bar with links for 'blog', 'UI/UX', 'Specifications', 'Art Gallery', and a user profile icon. Below the navigation is a secondary header with 'Manage Users' and 'Dashboard/Logout' options. On the left, there's a sidebar with 'Add Post' and 'Manage Posts' buttons. The main content area displays a table with four columns: 'Title', 'Category', 'Edit', and 'Delete'. The first row contains the title 'This is the wild life photo', category 'Art', and edit/delete buttons. The second row contains the title 'Hello this is the AI file', category 'Science and technology', and edit/delete buttons.

If the user enters the correct username and password in the sign in page it will take you to the user's Dashboard page. If the user wants to logout just put pointer on the avatar profile it will appear the option Dashboard and the logout option. Out of these the user can select logout to logout the page.

This screenshot shows a post detail page. At the top, there's a navigation bar with 'blog', 'UI/UX', 'Specifications', 'Art Gallery', and 'Signin'. The main content area features a large image of a sunset over palm trees. To the right of the image, the title 'This is the wild life photo' is displayed, along with a small 'Art' tag. Below the title is a paragraph of placeholder text (Lorem Ipsum) about the origin of the word. Further down, there's a profile picture, the author's name 'Sing Is', and the date 'April 19, 2023 - 16:59'. At the bottom of the page, there are three smaller thumbnail images.

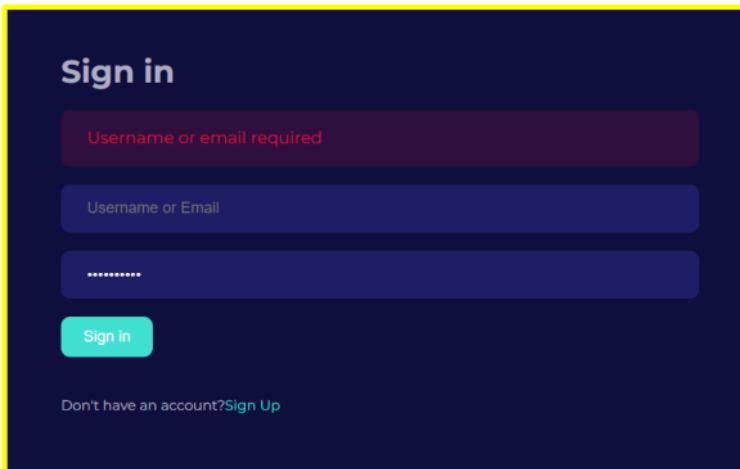
After the logout page it will take user to Welcome page where user can view the post and get the knowledge from the post.

## No.2 Sign in / Login Page for Admin



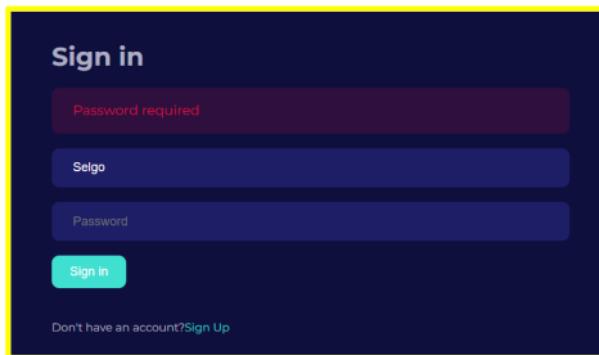
The screenshot shows a dark-themed sign-in form. At the top, it says "Sign in". Below that, a red error message box contains the text "User not found". The next two input fields are filled with "Chin" and ".....". A green "Sign in" button is at the bottom. Below the form, a link says "Don't have an account? [Sign Up](#)".

If the admin enters the wrong username it will validate by showing that User not found



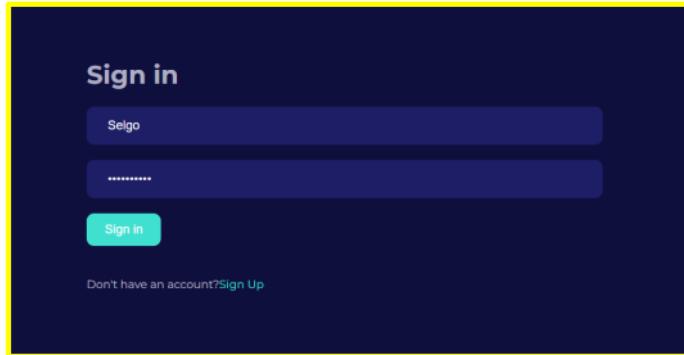
The screenshot shows a dark-themed sign-in form. At the top, it says "Sign in". Below that, a red error message box contains the text "Username or email required". The next two input fields are empty. A green "Sign in" button is at the bottom. Below the form, a link says "Don't have an account? [Sign Up](#)".

If the admin just types the password and click sign in it won't proceed because the Username or email is required.



The screenshot shows a dark-themed sign-in form. At the top, it says "Sign in". Below that, a red error message box contains the text "Password required". The first input field is filled with "Selgo". The second input field is empty. A green "Sign in" button is at the bottom. Below the form, a link says "Don't have an account? [Sign Up](#)".

If the admin does not enter the password, it will show the field that password is required.



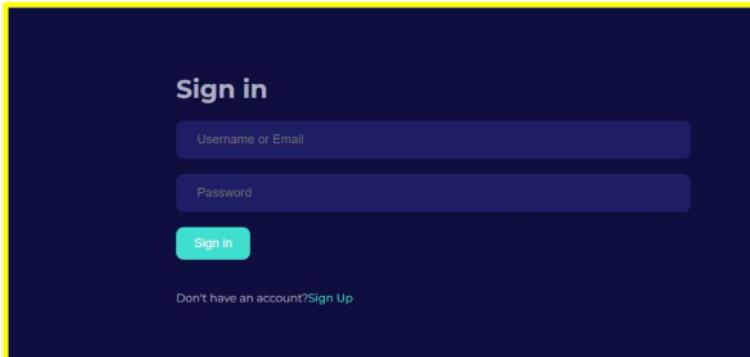
If the admin enters the correct Name and the password that match in the Database it will take you to the admin's Dashboard page.

A screenshot of the Admin's Dashboard titled "Manage Users". The interface has a teal header bar with the site name "Alternese" and navigation links for "blog", "UI/UX", "Specifications", and "Art Gallery". On the right, there's a user profile icon. The main content area shows a table with columns "Title", "Category", "Edit", and "Delete". One row in the table contains the text "excuse me this is my edit post", the category "Animals", and buttons for "Edit" and "Delete". To the left of the table is a sidebar with buttons for "Add Post", "Manage Posts", "Add User", "Manage User", "Add Category", and "Manage Category".

This the Page of Admin's Dashboard where the admin can manage the Users, Post and its related category. The admin can logout to go back to the user's page.

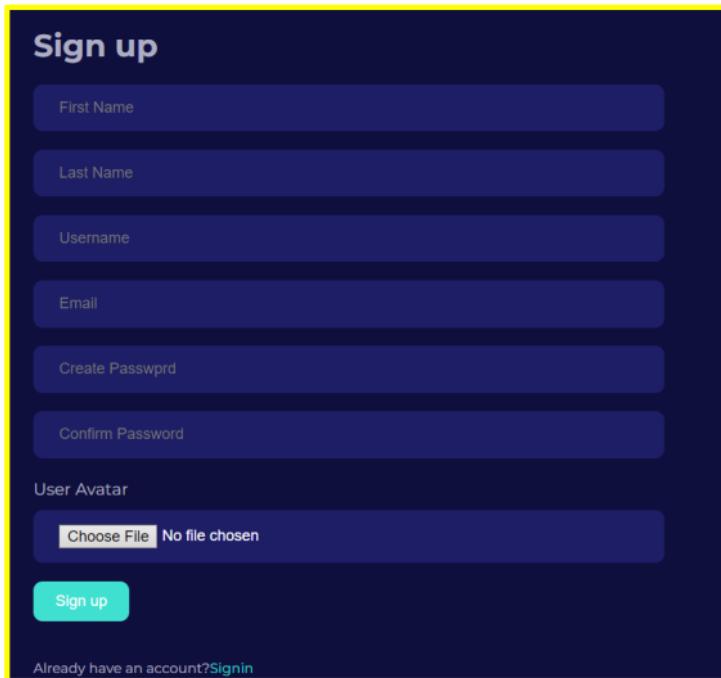
A screenshot of the Admin's Dashboard titled "Manage Users", identical to the previous one. However, a red rectangular box highlights the "Logout" link in the top right corner of the teal header bar. The rest of the interface, including the sidebar and the table in the main content area, remains the same.

### No.3 Sign up for new user



The sign in page features a dark blue header with the word "Sign in" in white. Below the header are two input fields: "Username or Email" and "Password", both with placeholder text. A teal "Sign In" button is centered below the fields. At the bottom, a link reads "Don't have an account? [Sign Up](#)".

The new user can register to become the part of this system by simply registering on the Sign-Up page



The sign up page has a dark blue header with the word "Sign up" in white. It contains seven input fields labeled "First Name", "Last Name", "Username", "Email", "Create Passwprd", "Confirm Password", and "User Avatar". The "User Avatar" field includes a "Choose File" button with the text "No file chosen". A teal "Sign up" button is located at the bottom. At the very bottom, a link reads "Already have an account? [Signin](#)".

This is the Signup page for the new user. The new user can simply insert the personal information to sign up. It consists of Firstname, Lastname, Username, Email, Password and the Avatar.

Please enter your First Name

First Name

Last Name

Username

Email

Create Passwprd

Confirm Password

User Avatar

Choose File | No file chosen

Sign up

The new user cannot submit the sign up without entering any data. It validates to Enter your first name.

### Sign up

Please enter your valid email address

Tanat

Arora

Naveen

Email

Create Passwprd

Confirm Password

User Avatar

Choose File | No file chosen

Sign up

For the new user it is not enough to just put the name and the username because it requires the email address to keep an update of the post.

**Sign up**

Password does not match!

Tanat

Arora

Naveen

Tanat78@gmail.com

.....

.....

User Avatar

Choose File No file chosen

Sign up

This screenshot shows a sign-up interface with a yellow border. At the top, it says "Sign up". Below that is a red error message box containing the text "Password does not match!". The form fields include: Name (Tanat), Last Name (Arora), Middle Name (Naveen), Email (Tanat78@gmail.com), and two password fields (both showing "....."). There is also a "User Avatar" input field with a placeholder "Choose File No file chosen" and a "Sign up" button at the bottom.

If the user enters all the information including the password but if the confirm password does not much the original password it will validate that password does not match as shown in the snap.

**Sign up**

Password must be at least 8 characters

Tanat

Arora

Naveen

Tanat78@gmail.com

Create Passwprd

Confirm Password

User Avatar

Choose File No file chosen

Sign up

This screenshot shows a sign-up interface with a yellow border. At the top, it says "Sign up". Below that is a red error message box containing the text "Password must be at least 8 characters". The form fields include: Name (Tanat), Last Name (Arora), Middle Name (Naveen), Email (Tanat78@gmail.com), and two password fields ("Create Passwprd" and "Confirm Password"). There is also a "User Avatar" input field with a placeholder "Choose File No file chosen" and a "Sign up" button at the bottom.

Again, the password must be at least 8 characters as required by the system for its high security.

## Sign up

Please add avatar

Tanat

Arora

Naveen

Tanat78@gmail.com

.....

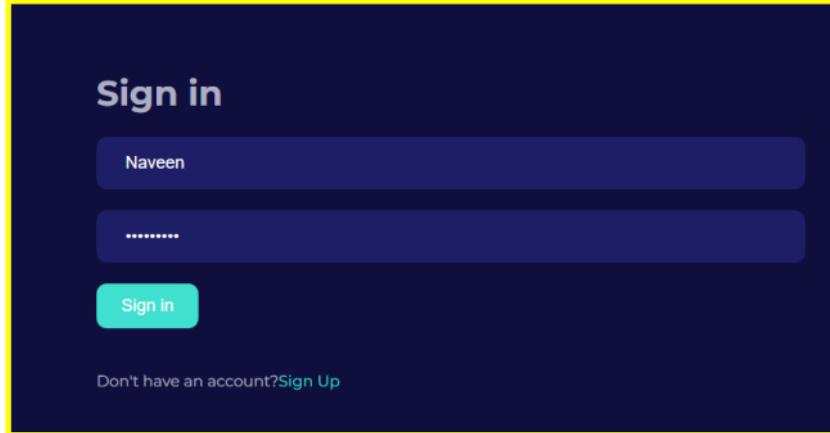
.....

User Avatar

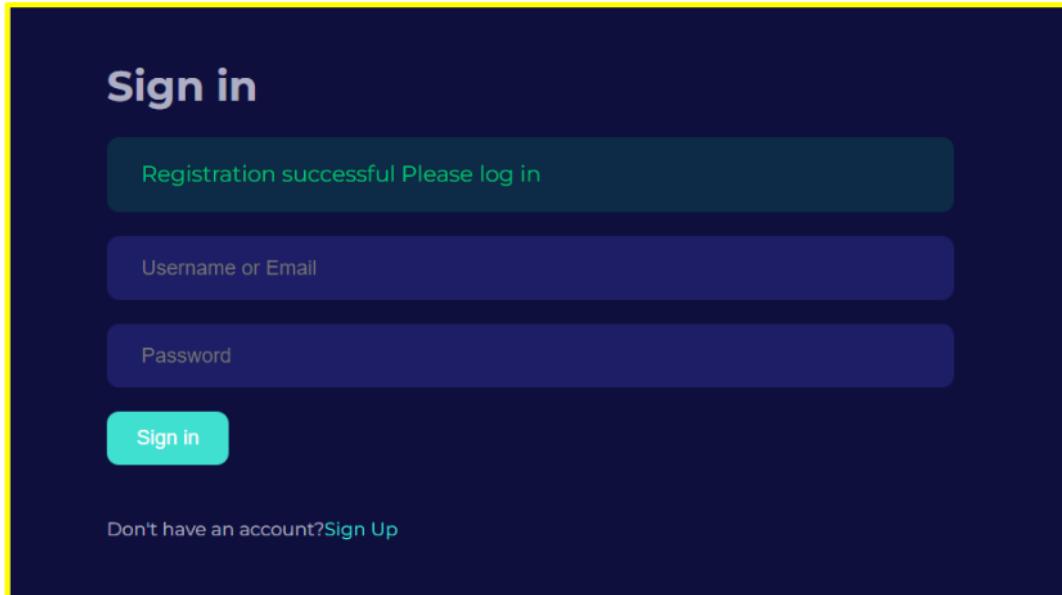
Choose File No file chosen

Sign up

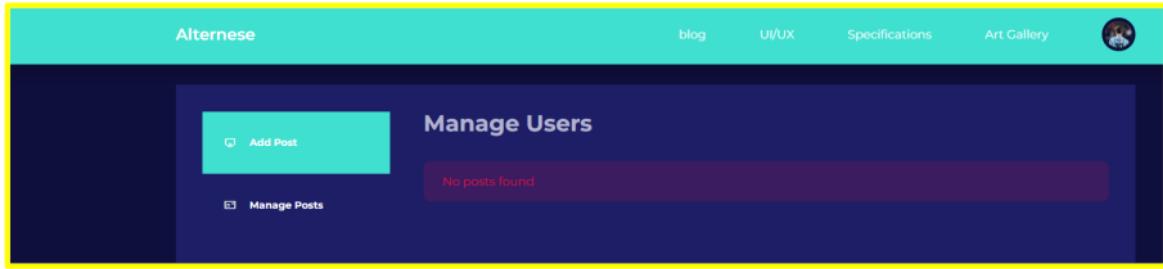
If the user has entered all the information correctly the user still needs to add an avatar for the differentiate of the user



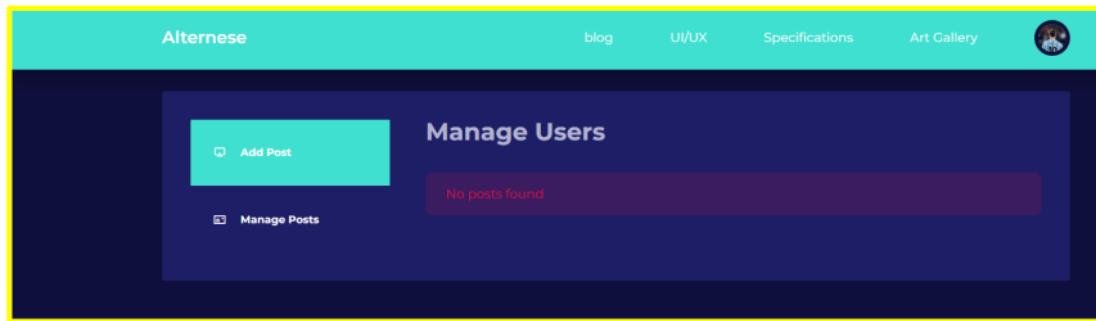
After the new user has registered the sign up the user must need to sign in/ login back to get the user's dashboard.



After the user had successfully login it will validate that Registration successful.



These two snaps are the new user's dashboard in which the new user can easily add post and manage post.



<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	<b>id</b>	<b>firstname</b>	<b>lastname</b>	<b>username</b>	<b>email</b>	<b>password</b>	<b>avatar</b>	<b>is_admin</b>
<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	1	Aung Tunn	Lin	DIAN	Gerard@gmail.com	\$2y\$10\$0vgtGvX.9cVmHcr./8OciufcPZR9m2BL4DeEb5SdrT...	1681549104icon.png	0
<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	3	Selena	Gomez	Selgo	Gomezsel34@gmail.com	\$2y\$10\$dtZ3urPhx8X201MCoR0SQvOKkaydxTnGB15lH8NIRUQ...	1681641146download.jpg	1
<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	6	Sing	is	sing	Sing45@gmail.com	\$2y\$10\$o2aLpsQtxw7h6FGMnxwG5uhWcU3rhYC0LZY3RCzi2...	1681830478wizard.png	0
<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	7	Su	Hlaing	Teacher Su	hlaing@gmail.com	\$2y\$10\$VqSrLUUxpIDUv1JZq5.Yzuio1BXfOr0SiEI1164wQS...	1681983661girl.jpg	0
<input type="checkbox"/>	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	9	Tanat	Arora	Naveen	Tanat78@gmail.com	\$2y\$10\$1xGPfEpIh2Cnr8JBmHEOs7m9zP2faJKt7g2MfubND...	1684130150messi.jpg	0

This snap is the php My admin in which you can easily see that the new username called Naveen has added to the table.

## No.4 User's Dashboard Manipulation

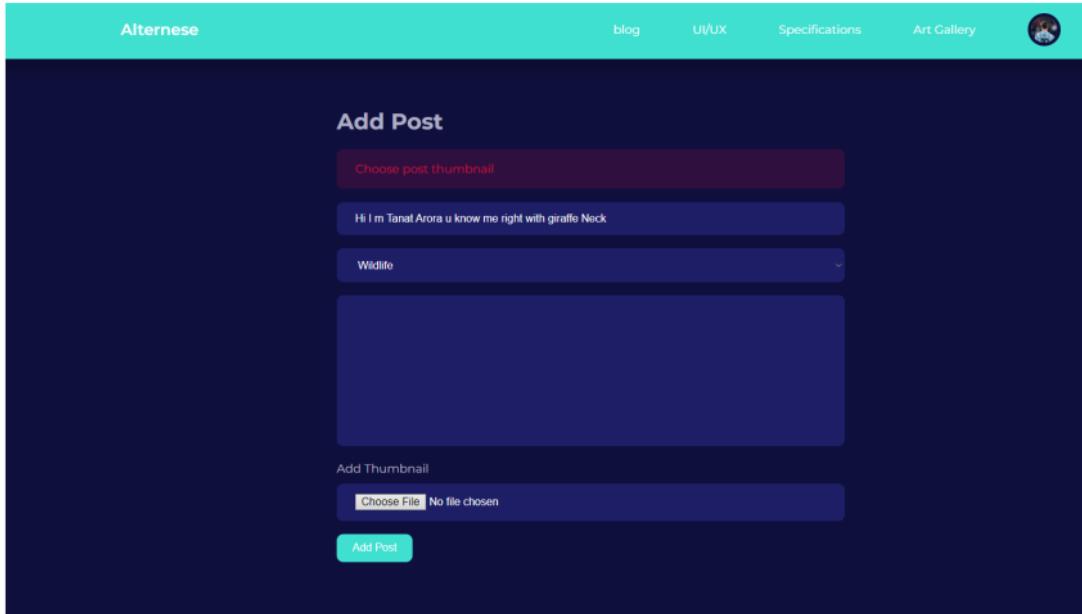
### Add Post

The screenshot shows a dark-themed 'Add Post' form. At the top is a title input field labeled 'Title'. Below it is a category dropdown menu set to 'Food'. A large, empty text area for content follows. Underneath is a 'Thumbnail' section with a placeholder 'Choose File' and a status message 'No file chosen'. At the bottom is a teal-colored 'Add Post' button.

The user can easily add a post with a title, selecting category, content and the thumbnail as shown in this snap

The screenshot shows a user dashboard with a teal header bar containing the brand name 'Alternese' and navigation links for 'blog', 'UI/UX', 'Specifications', and 'Art Gallery'. A user profile icon is also present. The main content area displays a success message 'New post added successfully' and a teal 'Add Post' button. To the right is a 'Manage Posts' section titled 'Manage Users' with a table. The table has columns for 'Title', 'Category', 'Edit', and 'Delete'. One row in the table shows the post 'Hi I m Tanat Arora u know me right with giraffe Neck' under the 'Wildlife' category, with 'Edit' and 'Delete' buttons next to it.

The user can easily edit the posts and the delete the post easily from here.



After filling all the required information demanded by the system the user still have to choose the thumbnail for the post to be shown in the main webpage.

### Add Post

Choose post thumbnail

Hi I m Tanat Arora u know me right with giraffe Neck

Wildlife

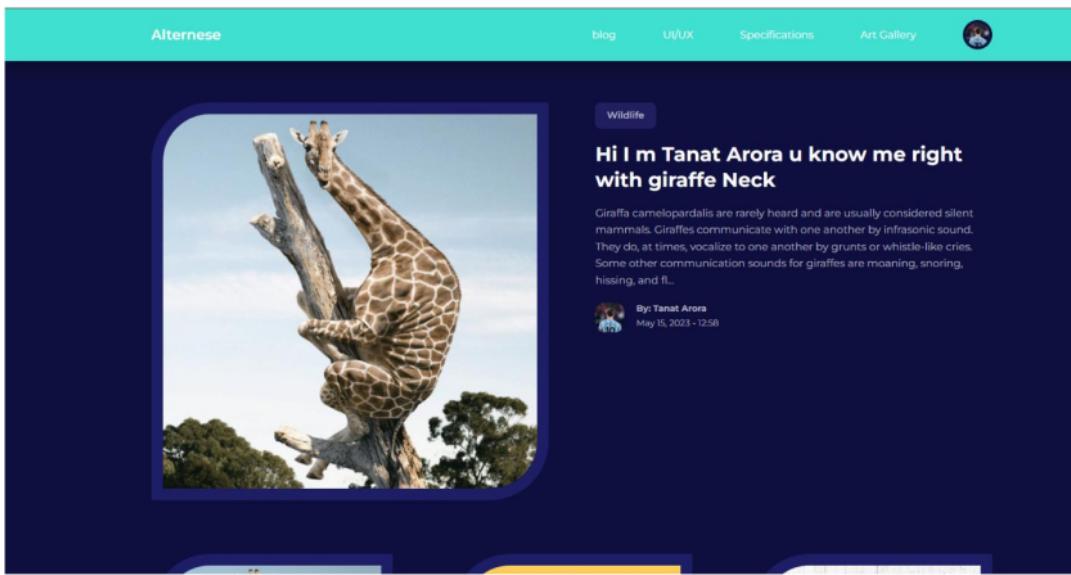
Giraffa camelopardalis are rarely heard and are usually considered silent mammals. Giraffes communicate with one another by infrasonic sound. They do, at times, vocalize to one another by grunts or whistle-like cries. Some other communication sounds for giraffes are moaning, snoring, hissing, and flutelike sounds. When alarmed, a giraffe grunts or snorts to warn neighboring giraffes of the danger. Mother giraffes can whistle to their young calves. Also, cows search for their lost young by making bellowing calls. The calves return their mother's calls by bleating or mewing. While courting an estrous cow, male giraffes may cough raucously. Giraffe vision relies mainly on their height. Their height allows giraffes a continual

Add Thumbnail

Choose File No file chosen

Add Post

This is the form where all the information has been inserted



The post that is uploaded by the new User Tanat Arora is as featured displayed on main webpage.

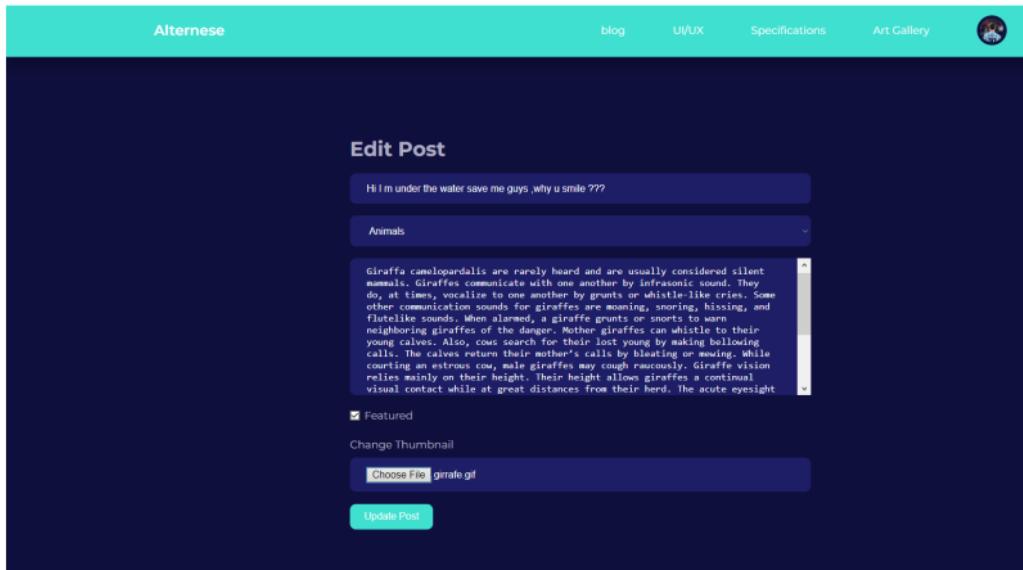
Extra options										
	← →	▼ id	title	body	thumbnail	date_time	category_id	author_id	is_featured	
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	4 excuse me this is my edit post	For as long as humanity has existed, art has been ...	1681900485mu.jpg	2023-04-17 16:44:10	2	3	0
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	7 Hello this is the AI file	Lorem Ipsum is simply dummy text of the printing ...	1681831337e2.jpg	2023-04-18 21:41:45	4	6	0
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	8 This is the wild life photo	Contrary to popular belief, Lorem Ipsum is not sim...	1681983510nature852.png	2023-04-19 16:59:30	3	6	0
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	10 Hi I m Tanat Arora u know me right with giraffe Ne...	Giraffa camelopardalis are rarely heard and are us...	1684132193giraffe.gif	2023-05-15 12:58:14	6	9	1

↑  Check all   With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

The post uploaded by the new user Tanat Arora is already reached to the database as shown in this snap.

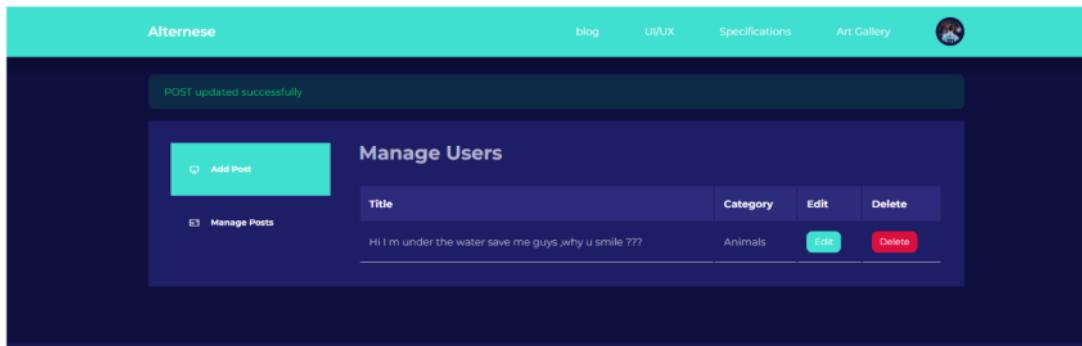
## Edit Post



The screenshot shows the 'Edit Post' interface. At the top, there's a navigation bar with 'Alternese' and links for 'blog', 'UI/UX', 'Specifications', and 'Art Gallery'. Below the navigation is a large text input field containing the placeholder text 'Hi I m under the water save me guys ,why u smile ???'. A dropdown menu labeled 'Animals' is open. To the right of the text input is a rich text editor with a scroll bar, displaying a detailed description of giraffe communication sounds. Below the text input, there are checkboxes for 'Featured' and 'Change Thumbnail', and a file upload button labeled 'Choose File girafe.gif'. At the bottom is a green 'Update Post' button.

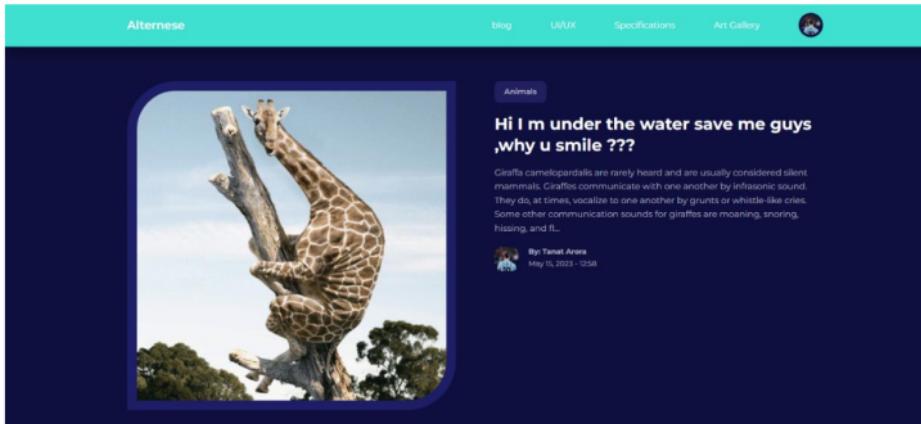
The user can easily edit the post while filling all the requirement information. The data fills in the snap is totally different from the Add post.

After the user fills the required information in the edit post and submit the edit button the



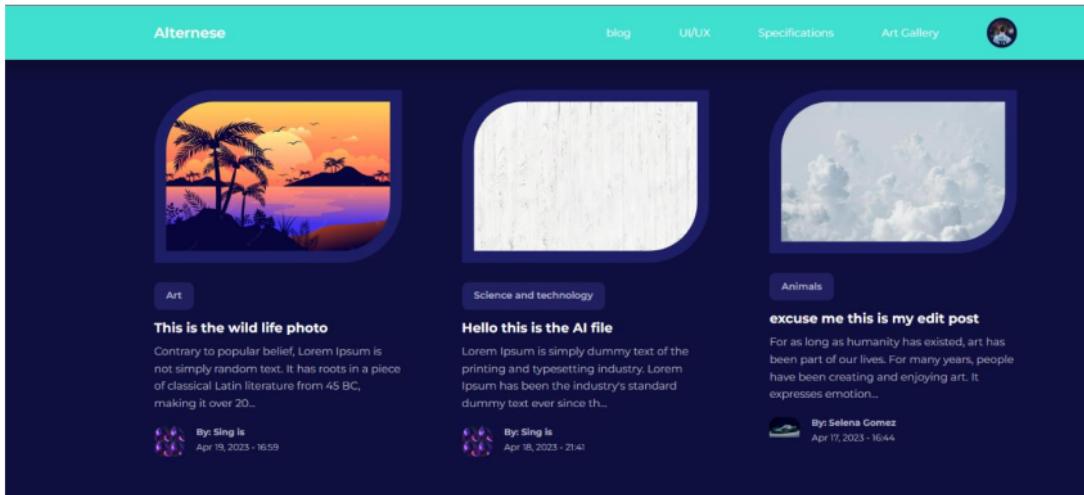
The screenshot shows the 'Manage Users' page. At the top, there's a navigation bar with 'Alternese' and links for 'blog', 'UI/UX', 'Specifications', and 'Art Gallery'. A success message 'POST updated successfully.' is displayed. On the left, there are two buttons: 'Add Post' and 'Manage Posts'. The main area features a table titled 'Manage Users' with one row of data. The table has columns for 'Title', 'Category', 'Edit', and 'Delete'. The 'Title' column contains the text 'Hi I m under the water save me guys ,why u smile ???', the 'Category' column contains 'Animals', and the 'Edit' and 'Delete' buttons are visible.

validation shows that the post has updated successfully.



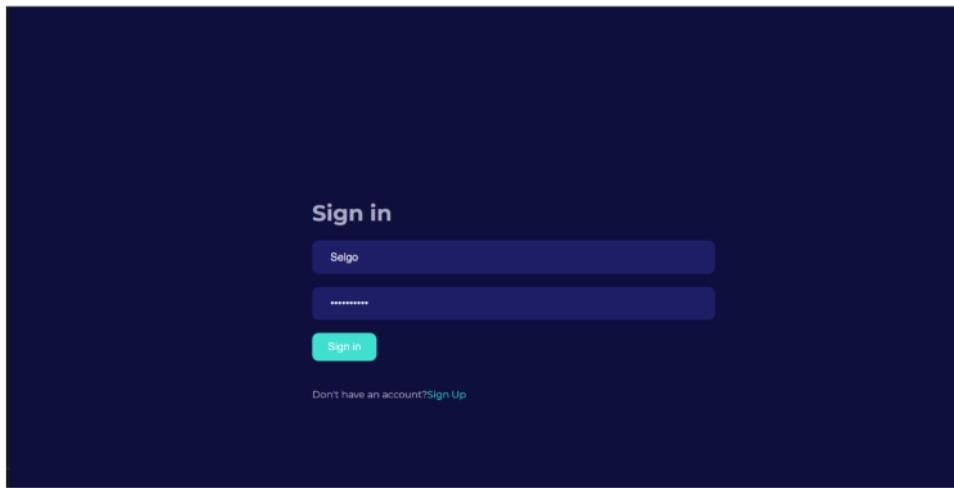
Now you can see the different of the title as the user has edited. Shown in the snap.

## Delete Post

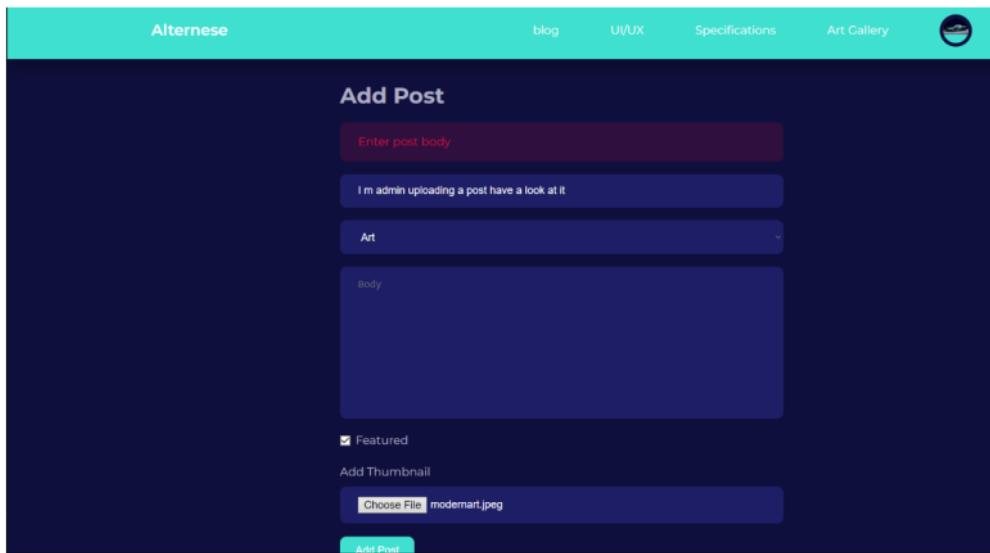


The user can delete the post easily by clicking the red delete button to delete the post. After deleting the post, the validation shows that the post has been deleted successfully. In the second snap you can see that the post has been deleted.

## Admin's Dashboard Manipulation



This is the sign in page where the admin enters the correct username and the password.



The admin can add the post by entering the necessary data in the field. The admin cannot post the Post content without filling the content as shown in the pic. If does it will validate “Enter the post”.

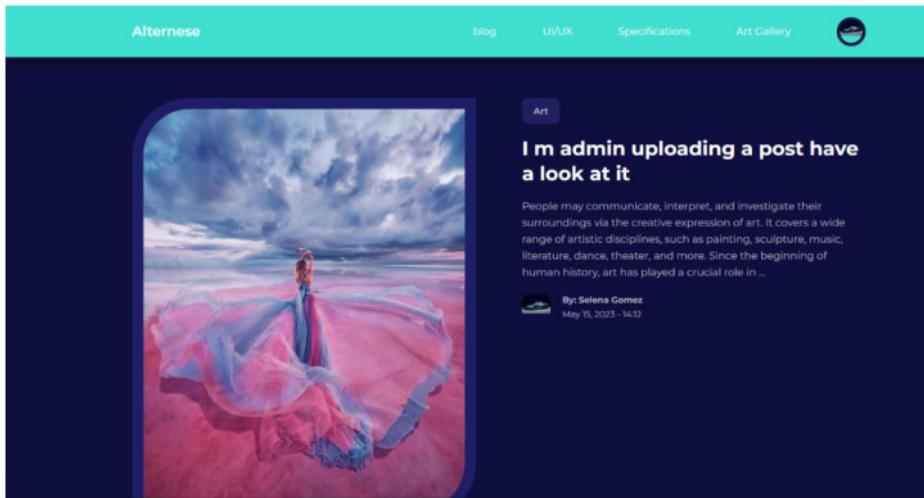
The screenshot shows the 'Add Post' form. At the top, there's a header bar with the 'Alterneze' logo, navigation links for 'blog', 'UI/UX', 'Specifications', and 'Art Gallery', and a user profile icon. The main form area has a title 'Add Post' and a text input field containing 'I m admin uploading a post have a look at it'. A dropdown menu is set to 'Art'. Below this is a rich text editor with two paragraphs of placeholder text about art. There's a checked checkbox for 'Featured', a 'Add Thumbnail' section with a file input 'Choose File: modernart.jpeg', and a blue 'Add Post' button at the bottom.

The admin has filled all the data correctly in the particular filed as shown in this snap.

The screenshot shows the 'Manage Users' page. At the top, there's a success message 'New post added successfully'. On the left, a sidebar lists 'Add Post', 'Manage Posts', 'Add User', 'Manage User', 'Add Category', and 'Manage Category'. The main content area has a table titled 'Manage Users' with columns for 'Title', 'Category', 'Edit', and 'Delete'. It contains two rows of data:

Title	Category	Edit	Delete
I m admin uploading a post have a look at it	Art	<button>Edit</button>	<button>Delete</button>
excuse me this is my edit post	Animals	<button>Edit</button>	<button>Delete</button>

After the admin click the Add post it will validate that the new post has added successfully.



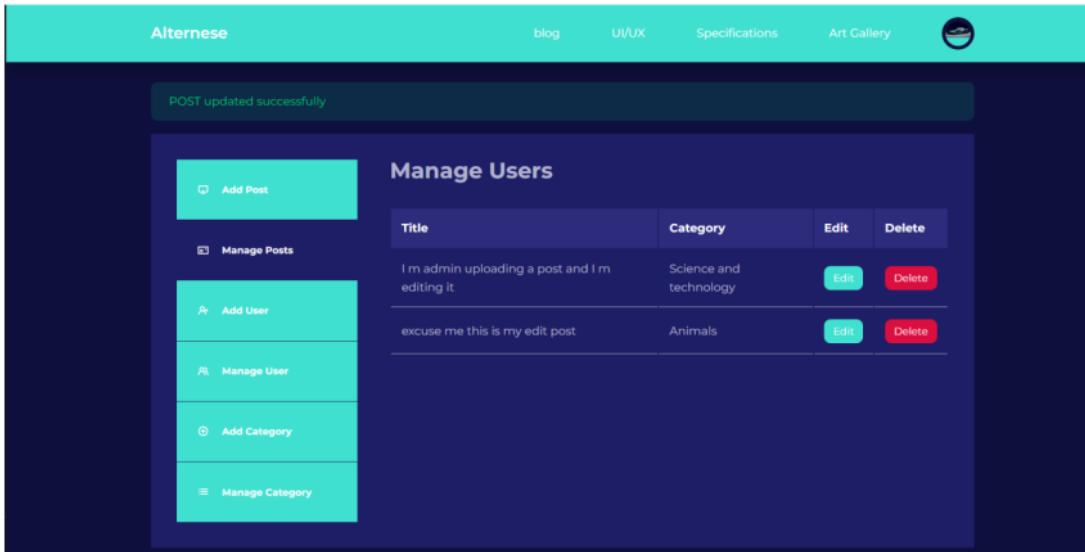
This snap shows the Pic where it has been uploaded by the admin

Extra options									
	← T →	id	title	body	thumbnail	date_time	category_id	author_id	is_featured
<input type="checkbox"/>	Edit  Copy  Delete	4	excuse me this is my edit post	For as long as humanity has existed, art has been ...	1681900485mu.jpg	2023-04-17 16:44:10	2	3	0
<input type="checkbox"/>	Edit  Copy  Delete	7	Hello this is the AI file	Lorem Ipsum is simply dummy text of the printing ...	1681831337e2.jpg	2023-04-18 21:41:45	4	6	0
<input type="checkbox"/>	Edit  Copy  Delete	8	This is the wild life photo	Contrary to popular belief, Lorem Ipsum is not sim...	1681983510nature852.png	2023-04-19 16:59:30	3	6	0
<input type="checkbox"/>	Edit  Copy  Delete	11	I m admin uploading a post have a look at it	People may communicate, interpret, and investigate...	1684136572modernart.jpeg	2023-05-15 14:12:52	3	3	1

In the database it shows that id 11 is added as shown in the pic

## Edit Post

In this snap it has shown that the admin has edited the entire post by filling the different data

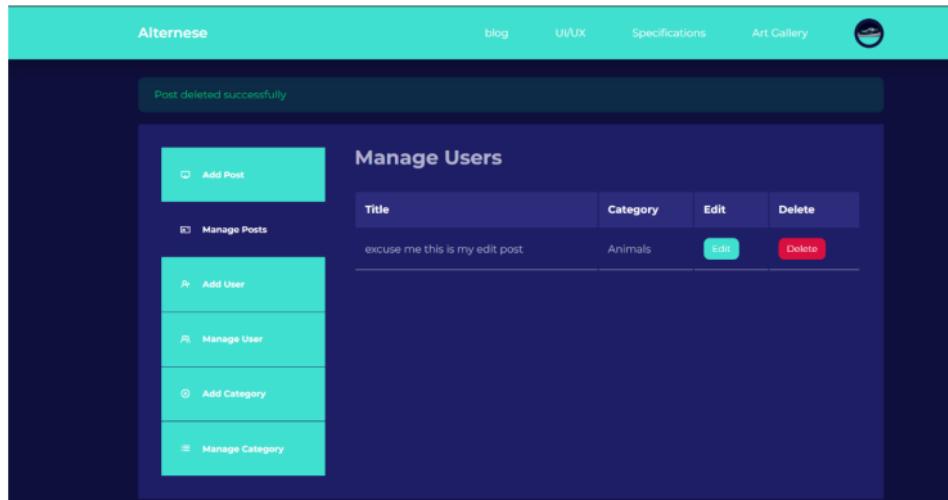


The snap shows that the post has been updated.

	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	ID	Title	Body	Thumbnail	Date Time	Category ID	Author ID	Is Featured
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	4	excuse me this is my edit post	For as long as humanity has existed, art has been ...	1681900485mu.jpg	2023-04-17 16:44:10	2	3	0
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	7	Hello this is the AI file	Lorem Ipsum is simply dummy text of the printing ...	1681831337e2.jpg	2023-04-18 21:41:45	4	6	0
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	8	This is the wild life photo	Contrary to popular belief, Lorem Ipsum is not sim...	1681983510nature852.png	2023-04-19 16:59:30	3	6	0
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	11	I m admin uploading a post and I m editing it	The driving factors behind our world&#039;s deep ...	1684137353scienctech.jpg	2023-05-15 14:12:52	4	3	1

In the database it has shown that the admin has successfully edited the entire post.

### Delete Post



Extra options

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	← →	id	title	body	thumbnail	date_time	category_id	author_id	is_featured		
	<input type="checkbox"/>	4	excuse me this is my edit post	For as long as humanity has existed, art has been ...	1681900485mu.jpg	2023-04-17 16:44:10	2	3	0	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	7	Hello this is the AI file	Lorem Ipsum is simply dummy text of the printing ...	1681831337e2.jpg	2023-04-18 21:41:45	4	6	0	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	8	This is the wild life photo	Contrary to popular belief, Lorem Ipsum is not sim...	1681983510nature852.png	2023-04-19 16:59:30	3	6	0	<input type="checkbox"/>	<input type="checkbox"/>

Check all    With selected:  Edit  Copy  Delete  Export

The database shows that the post has been deleted

## Add Users

Alternese

Add User

Please enter Username

Sharu

Khan

Username

Email

Create Password

Confirm Password

Author

User Avatar

Choose File No file chosen

Add user

The admin can add user but if admin enters only first name and last name it will validate by showing to enter username.

Alternese

Add User

Please enter your valid email address

Sharu

Khan

Badshah

Email

Create Password

Confirm Password

Author

User Avatar

Choose File No file chosen

Add user

If the admin has entered username click the add post it will validate by showing to put valid email.

The password is required for the high security otherwise it will validate that the password is required.

Name	Username	Edit	Delete	Admin
Aung Tunn Lin	DIAN	<a href="#">Edit</a>	<a href="#">Delete</a>	No
Sing is	sing	<a href="#">Edit</a>	<a href="#">Delete</a>	No
Su Hlaing	Teacher Su	<a href="#">Edit</a>	<a href="#">Delete</a>	No
Tanat Arora	Naveen	<a href="#">Edit</a>	<a href="#">Delete</a>	No
Sharu Khan	Badshah	<a href="#">Edit</a>	<a href="#">Delete</a>	Yes

After the admin has filled all the requirement validation the new user has been added successfully as shown above.

	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	id	firstname	lastname	username	email	password	avatar	is_admin
<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	1	Aung Tunn Lin	DIAN	Gerard@gmail.com	\$2y\$10\$0vg!GvX.9cVmHcr./0ciufcPZR9m2BL4DeEb5SdT...		1681549104icon.png	0	
<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	3	Selena Gomez	Selgo	Gomezse34@gmail.com	\$2y\$10\$dz3urPhx8X201MCoR0\$QvOKkaydxTnGB15lh8NIUQ...		1681641146download.jpg	1	
<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	6	Sing is	is	Sing45@gmail.com	\$2y\$10\$o2aLpsQbxw7h6FGMInkwG5uhWcU3r-hYC0LZY3dRCzI...		1681830478wizard.png	0	
<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	7	Su Hlaing	Teacher Su	Hlaing@gmail.com	\$2y\$10\$VqSrLJUxpIDUv1JZq5Yzuoi1BXIFOi0\$xE1164wQS...		1681983661girl.jpg	0	
<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	9	Tanat Arora	Naveen	Tanat78@gmail.com	\$2y\$10\$1xGPiFEph2Cnr8JBmHEOs7m0zP2faJKt7g2MtubND...		1684130150messi.jpg	0	
<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	10	Sharu Khan	Badshah	Sharukhan555@gmail.com	\$2y\$10\$1xGPiFEph2Cnr8JBmHEOs7m0zP2faJKt7g2MtubND...		1681549104icon.png	1	

In the database it is stated that the new user Sharu Khan has been added.

## Edit User

The screenshot shows a dark-themed 'Edit User' page. At the top, the title 'Edit User' is displayed. Below it are three input fields: 'First Name' (empty), 'Last Name' (empty), and a dropdown menu labeled 'Author' (empty). At the bottom is a teal-colored 'Update user' button.

This is the Edit user page in which the admin has to fill first name and the last name to update the user.

The screenshot shows the same 'Edit User' page as above, but with data entered into the fields. The 'First Name' field contains 'Sharukhan', the 'Last Name' field contains 'Khan', and the 'Author' dropdown menu also contains 'Author'. The 'Update user' button remains teal.

In this snap its shows that the user has filled the data in the edit form.

The screenshot shows a dashboard with a teal header bar containing links for 'Alternese', 'blog', 'UI/UX', 'Specifications', 'Art Gallery', and a profile icon. A green success message at the top states 'User Sharukhan Khan updated successfully'. On the left is a sidebar with buttons for 'Add Post', 'Manage Posts', 'Add User' (which is highlighted in teal), 'Manage User', 'Add Category', and 'Manage Category'. The main content area is titled 'Manage Users' and displays a table of users:

Name	Username	Edit	Delete	Admin
Aung Tunn Lin	DIAN	<button>Edit</button>	<button>Delete</button>	No
Sing is	sing	<button>Edit</button>	<button>Delete</button>	No
Su Hlaing	Teacher Su	<button>Edit</button>	<button>Delete</button>	No
Tanat Arora	Naveen	<button>Edit</button>	<button>Delete</button>	No
Sharukhan Khan	Badshah	<button>Edit</button>	<button>Delete</button>	No

In this snap that the admin has already update the user's name validating by showing the new users has been updated successfully

## Delete Users

'Sharukhan Khan' deleted successfully

Name	Username	Edit	Delete	Admin
Aung Tunn Lin	DIAN	<a href="#">Edit</a>	<a href="#">Delete</a>	No
Sing is	sing	<a href="#">Edit</a>	<a href="#">Delete</a>	No
Su Hlaing	Teacher Su	<a href="#">Edit</a>	<a href="#">Delete</a>	No
Tanat Arora	Naveen	<a href="#">Edit</a>	<a href="#">Delete</a>	No

The admin can easily delete the user by clicking delete button and complete validation shows that users deleted successfully

	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	<a href="#">id</a>	<a href="#">firstname</a>	<a href="#">lastname</a>	<a href="#">username</a>	<a href="#">email</a>	<a href="#">password</a>	<a href="#">avatar</a>	<a href="#">is_admin</a>
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	1	Aung Tunn	Lin	DIAN	Gerard@gmail.com	\$2y\$10\$0vgfGvX.9cVmHcr/8OciufcPZR0m2BL4DeEb5SdT...	1681549104icon.png	0
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	3	Selena	Gomez	Selgo	Gomezsel34@gmail.com	\$2y\$10\$dz3urPhx8x2O1MCoR0SQvOKkaydxTnGB15lrH8NIRUQ...	1681641146download.jpg	1
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	6	Sing	is	sing	Sing45@gmail.com	\$2y\$10\$o2al.psQbw7h6FGMmxwG5uhWcU3rhYCoLZY3dRCz2...	1681830478wizard.png	0
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	7	Su	Hlaing	Teacher Su	Teacher Su@gmail.com	\$2y\$10\$VqSrLJUxpfdUv1JZq5.YzuioBXFOr0SrE1164wQS...	1681983661girl.jpg	0
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	9	Tanat	Arora	Naveen	Tanat78@gmail.com	\$2y\$10\$1xGPfFepfh2Cnr8UBMfHEOs?m9zP2faJkI7g2MfbND...	1684130150messi.jpg	0

In the database as you can see the user data has been deleted successfully.

## Add Category

Alternese

blog UI/UX Specifications Art Gallery

Add Category

Enter description

Household

Description

Add Category

The admin can Add Category but if the admin does not enter the description it will validate by showing enter the description.

**Add Category**

Enter description

Household

The household is the main things that is necessity to become a big house |

Add Category

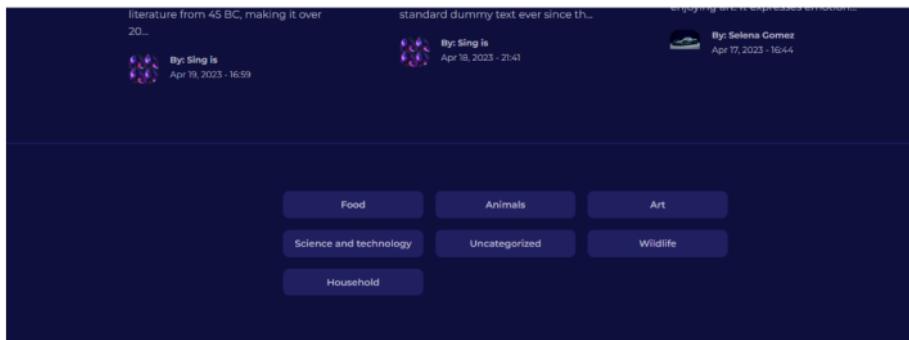
After the Admin Enter all the requirement and submit Add category.

Household category added successfully

**Manage Categories**

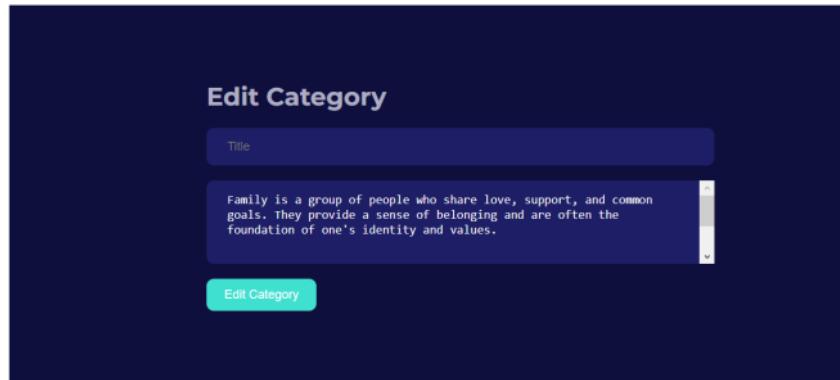
Title	Edit	Delete
Animals	<a href="#">Edit</a>	<a href="#">Delete</a>
Art	<a href="#">Edit</a>	<a href="#">Delete</a>
Food	<a href="#">Edit</a>	<a href="#">Delete</a>
Household	<a href="#">Edit</a>	<a href="#">Delete</a>
Science and technology	<a href="#">Edit</a>	<a href="#">Delete</a>
Uncategorized	<a href="#">Edit</a>	<a href="#">Delete</a>
Wildlife	<a href="#">Edit</a>	<a href="#">Delete</a>

In this snap it shows that the household category has been added successfully.



The category has been added as shown in the pics.

## Edit Category



The admin can edit the category by entering the data as shown in the pic.



The admin can edit by filling all the data.

		id	title	description
<input type="checkbox"/>	Edit  Copy  Delete	1	Food	Food is one of the most essential necessity to my...
<input type="checkbox"/>	Edit  Copy  Delete	2	Animals	This is the section of Animals
<input type="checkbox"/>	Edit  Copy  Delete	3	Art	This is an Art studio
<input type="checkbox"/>	Edit  Copy  Delete	4	Science and technology	This is the description of science and technology
<input type="checkbox"/>	Edit  Copy  Delete	5	Uncategorized	This is the description of uncategorized categorie...
<input type="checkbox"/>	Edit  Copy  Delete	6	Wildlife	This is the description of Wildlife...
<input type="checkbox"/>	Edit  Copy  Delete	8	Household	The household is the main things that is necessity...

Category Family was updated successfully

### Manage Categories

Title	Edit	Delete
Animals	<button>Edit</button>	<button>Delete</button>
Art	<button>Edit</button>	<button>Delete</button>
Family	<button>Edit</button>	<button>Delete</button>
Food	<button>Edit</button>	<button>Delete</button>
Science and technology	<button>Edit</button>	<button>Delete</button>
Uncategorized	<button>Edit</button>	<button>Delete</button>

Add Post

Manage Posts

Add User

Manage User

Add Category

Manage Category

As shown in the snap that family category has been updated.

### Delete Category

### Manage Categories

Title	Edit	Delete
Animals	<button>Edit</button>	<button>Delete</button>
Art	<button>Edit</button>	<button>Delete</button>
Family	<button>Edit</button>	<button>Delete</button>
Food	<button>Edit</button>	<button>Delete</button>
Science and technology	<button>Edit</button>	<button>Delete</button>
Uncategorized	<button>Edit</button>	<button>Delete</button>

Add Post

Manage Posts

Add User

Manage User

Add Category

Manage Category

Admin can delete the category by just simply deleting the red button.

## Manage Categories

Title	Edit	Delete
Animals	<button>Edit</button>	<button>Delete</button>
Art	<button>Edit</button>	<button>Delete</button>
Food	<button>Edit</button>	<button>Delete</button>
Science and technology	<button>Edit</button>	<button>Delete</button>
Uncategorized	<button>Edit</button>	<button>Delete</button>
Wildlife	<button>Edit</button>	<button>Delete</button>

Admin can delete the category from this snap.

Extra options

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	id	title	description
				1	Food	Food is one of the most essential necessity to my...
				2	Animals	This is the section of Animals
				3	Art	This is an Art studio
				4	Science and technology	This is the description of science and technology
				5	Uncategorized	This is the description of uncategorized categorie...
				6	Wildlife	This is the description of Wildlife...

Food

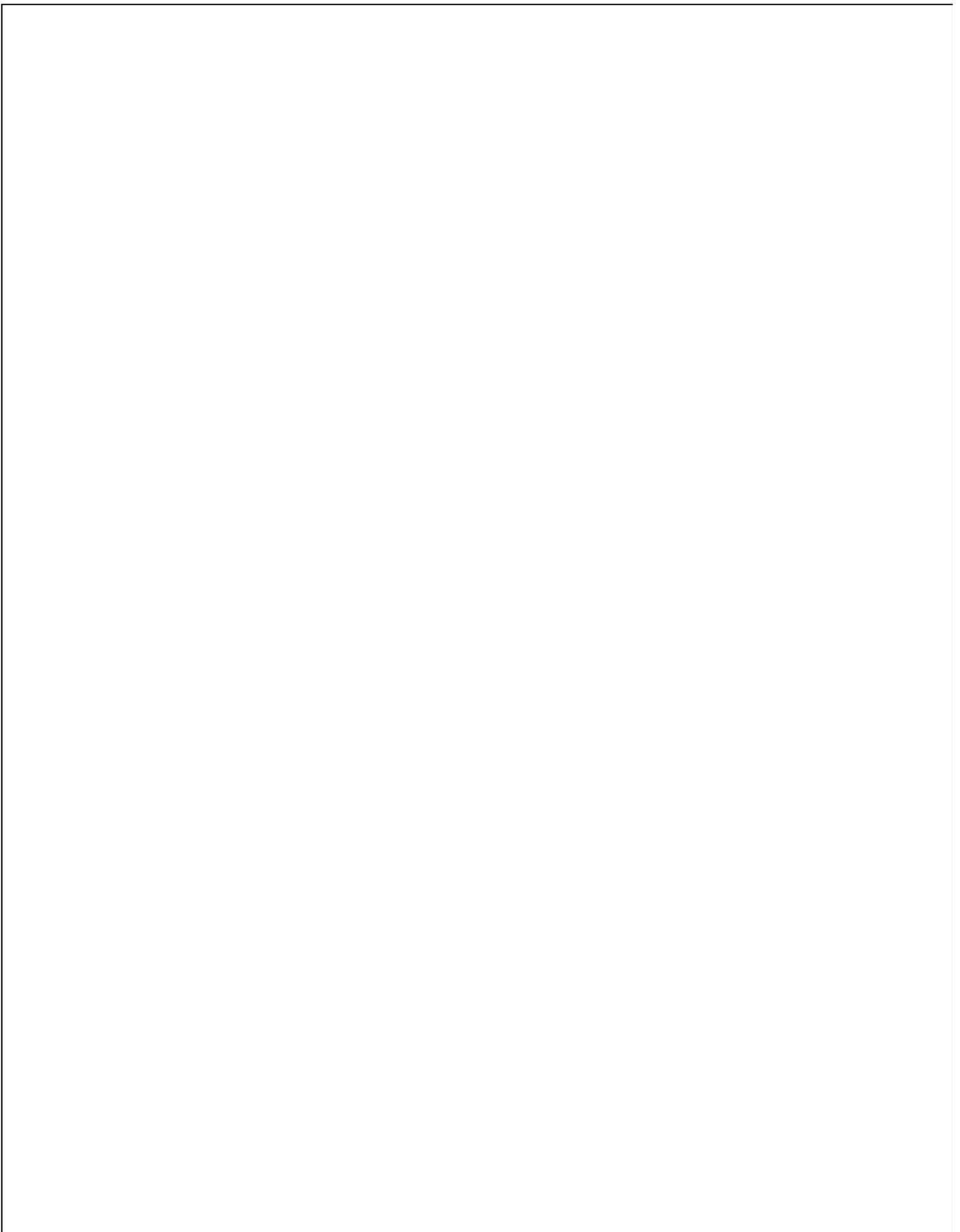
Animals

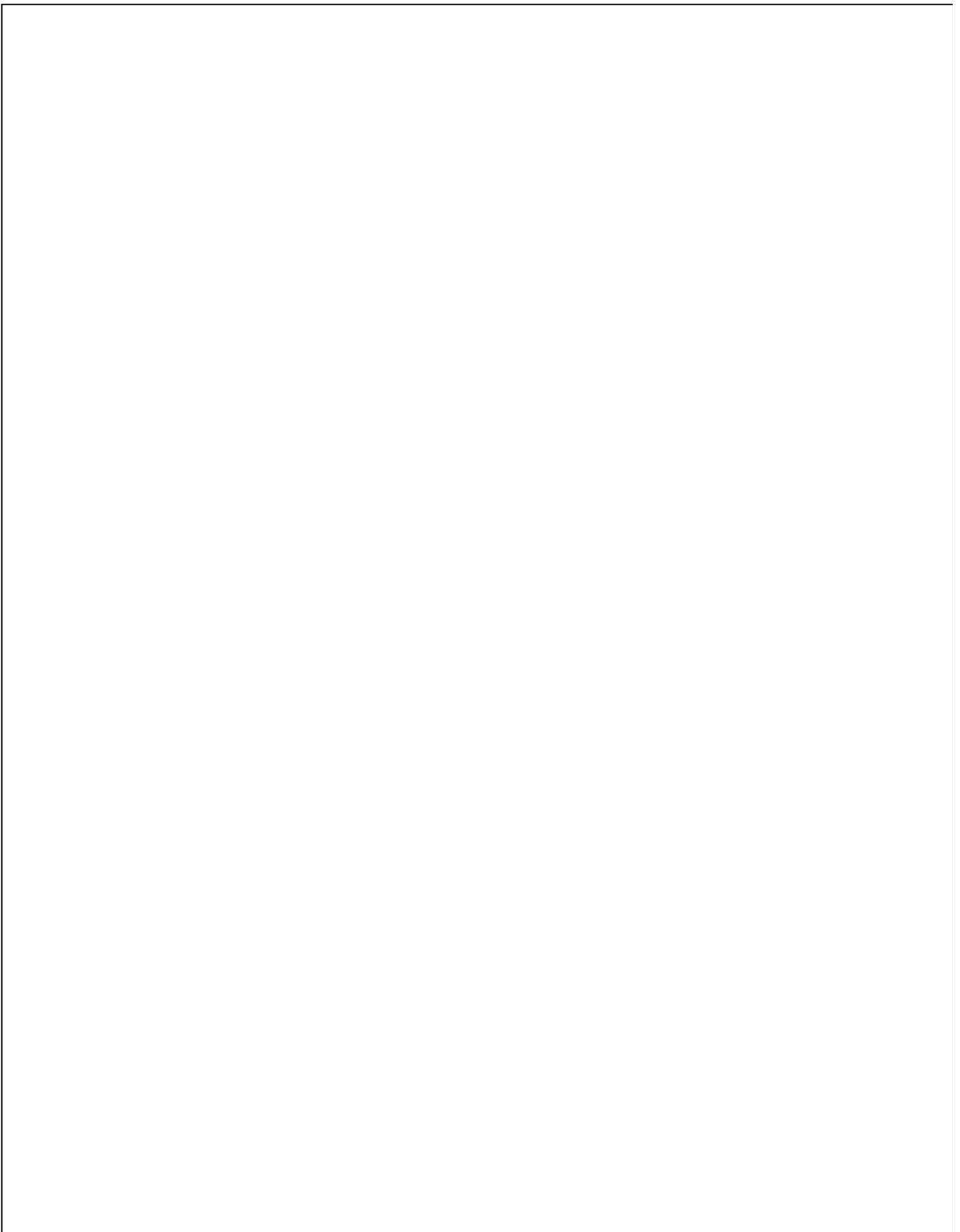
Art

Science and technology

Uncategorized

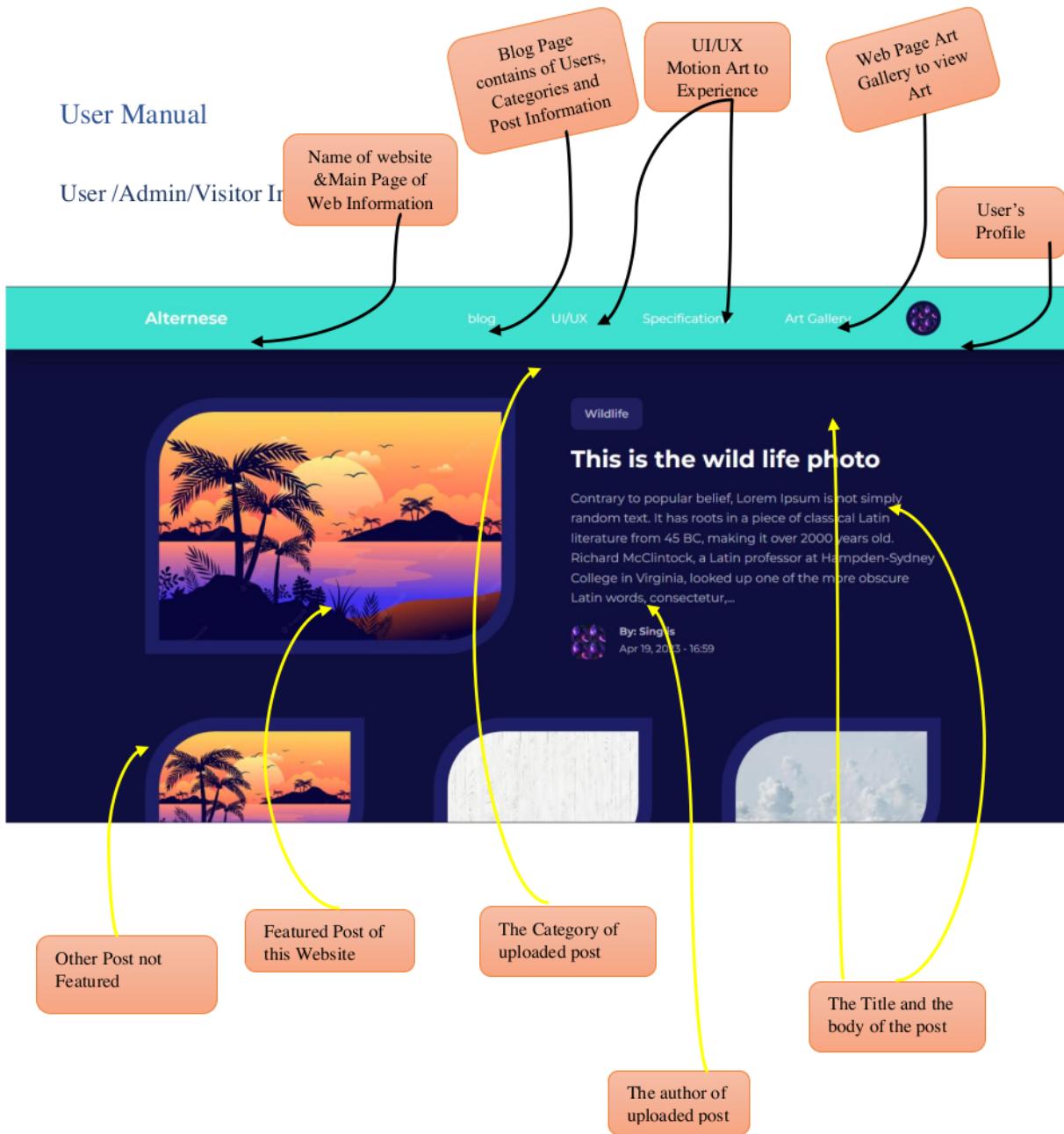
Wildlife

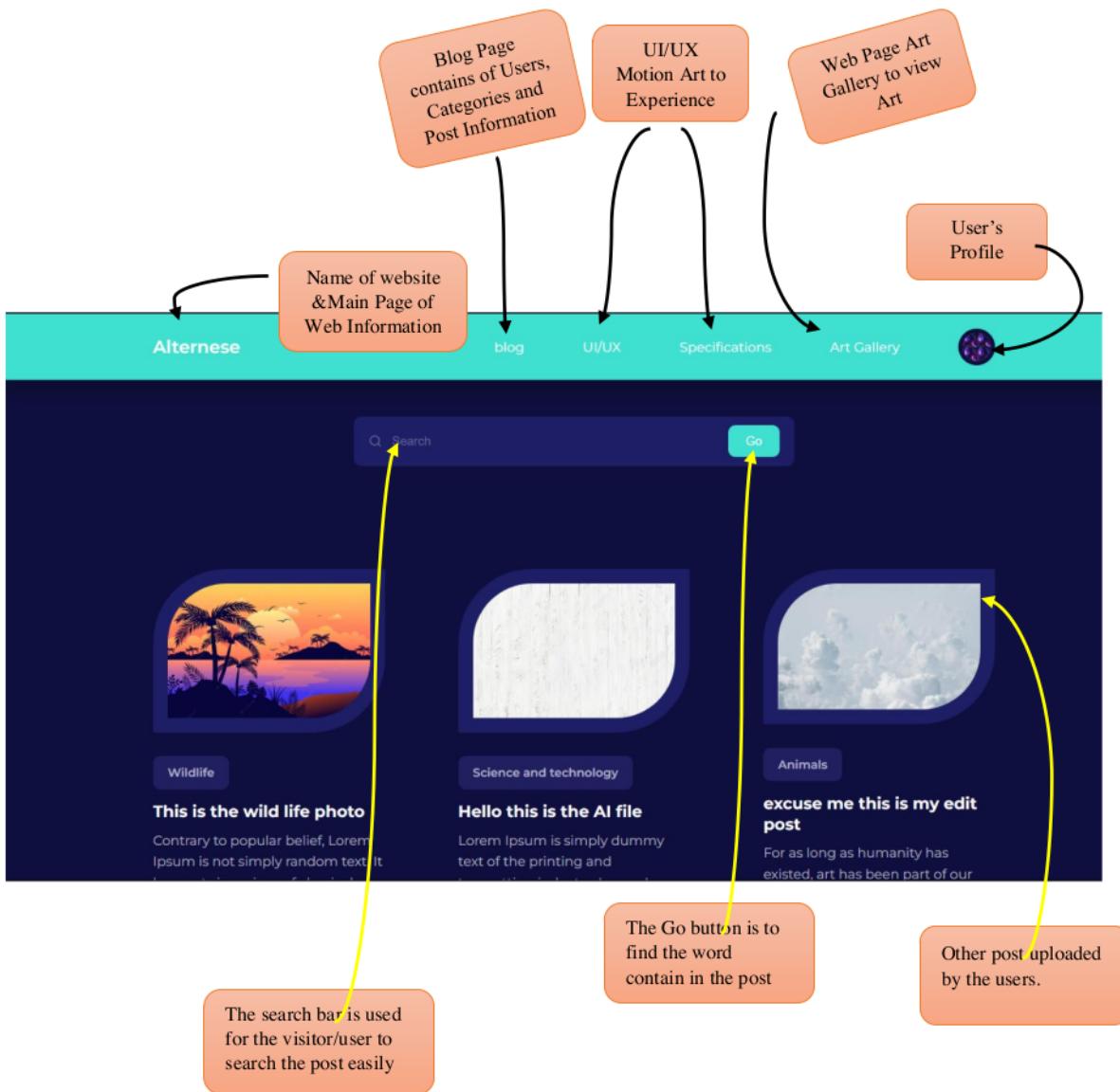


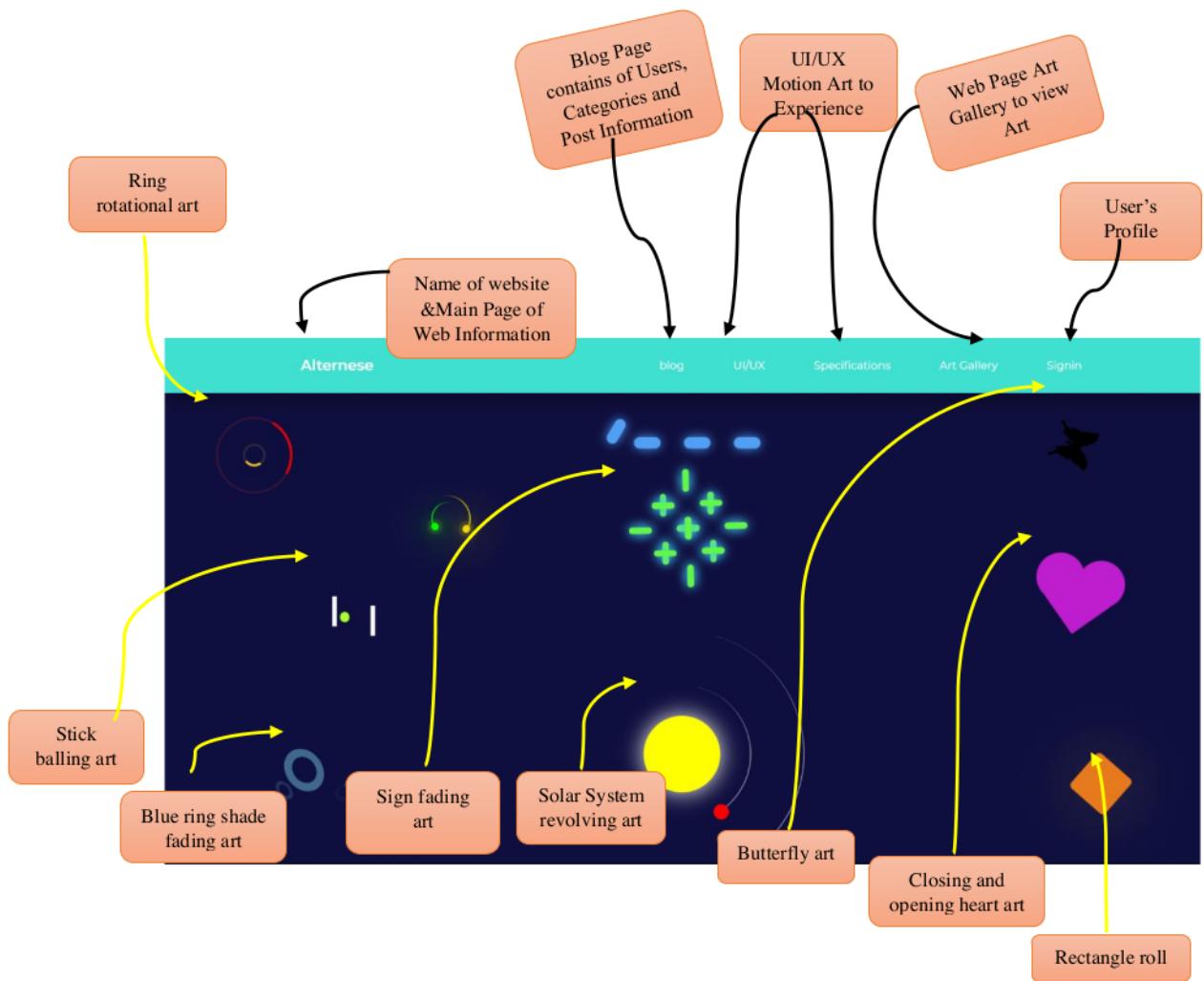


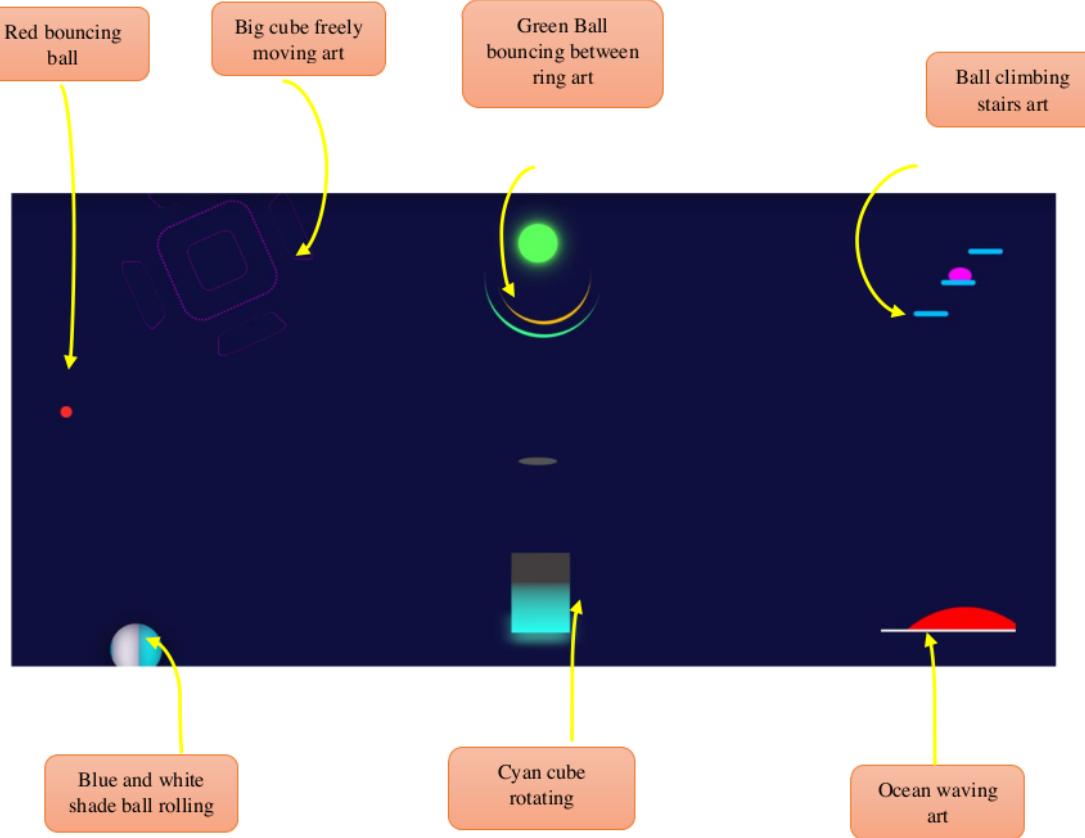
## User Manual

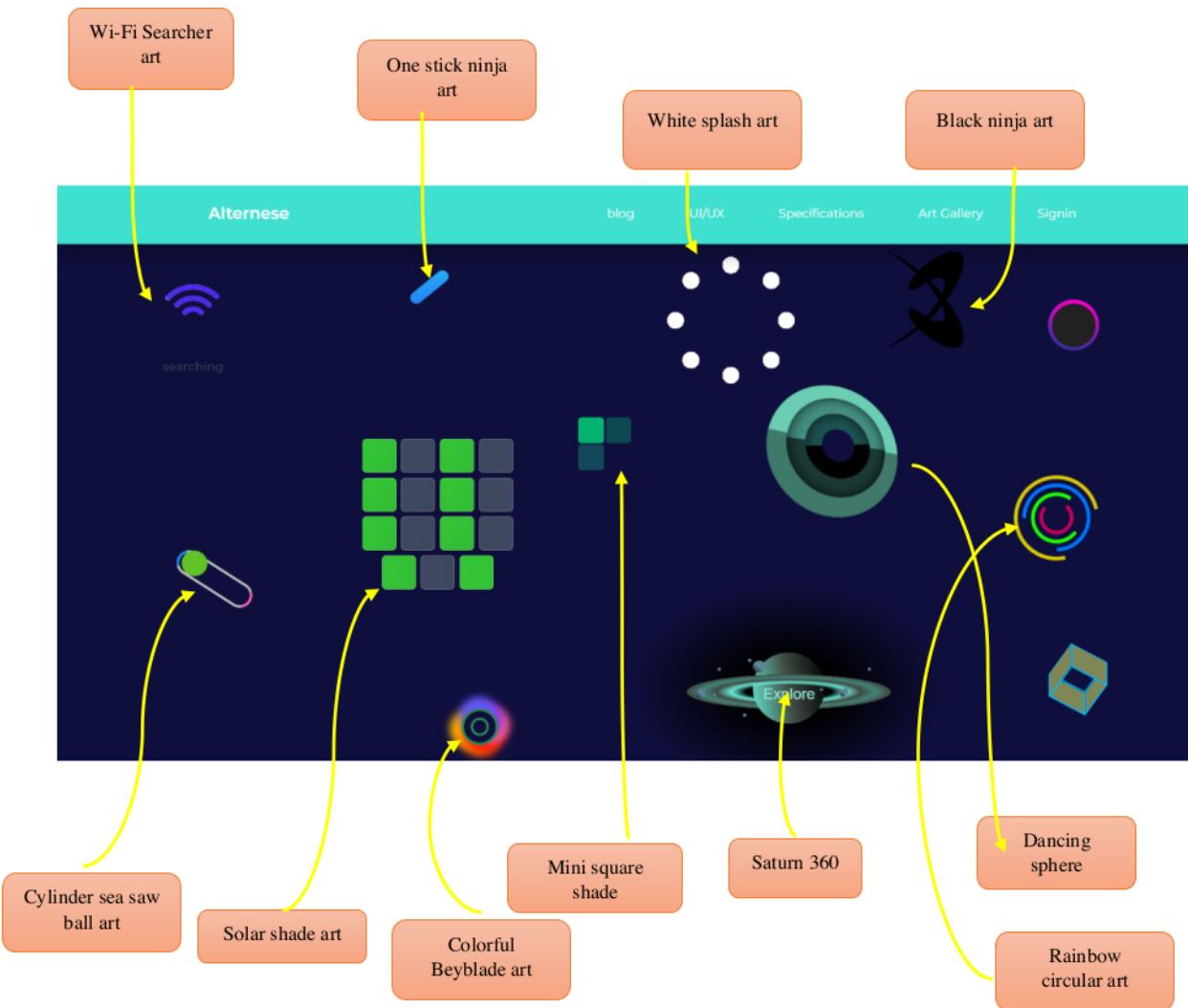
### User /Admin/Visitor Interface

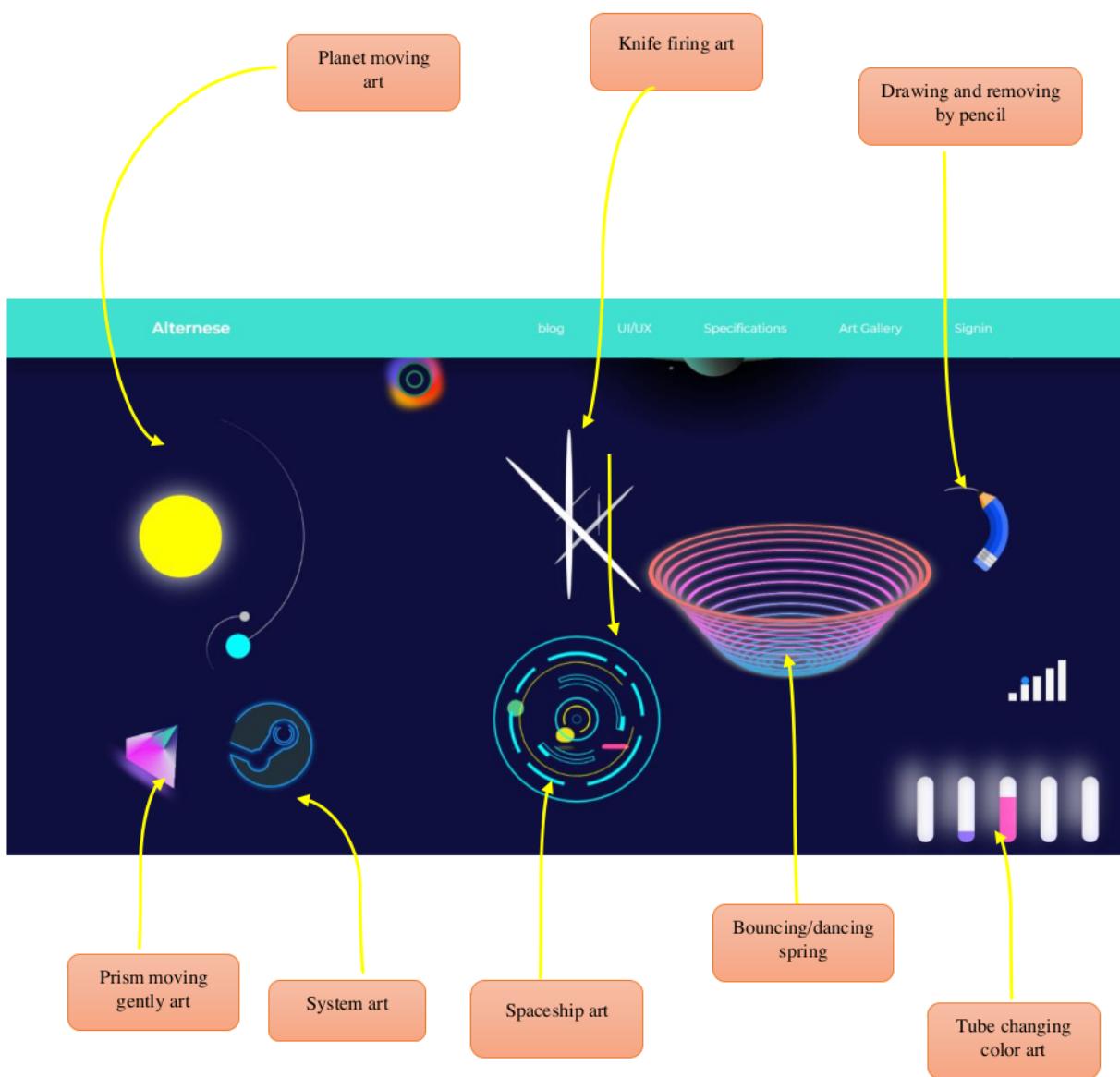






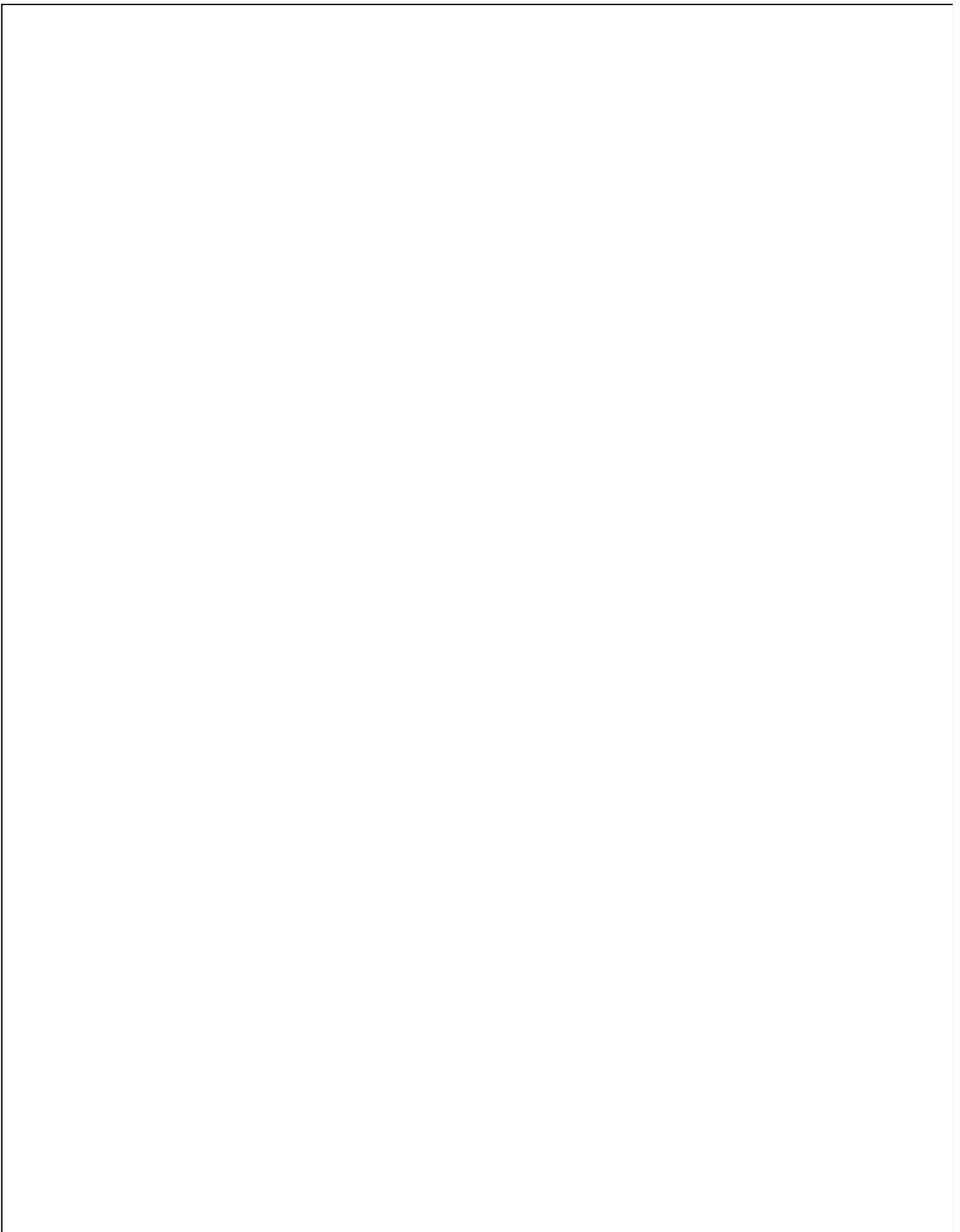




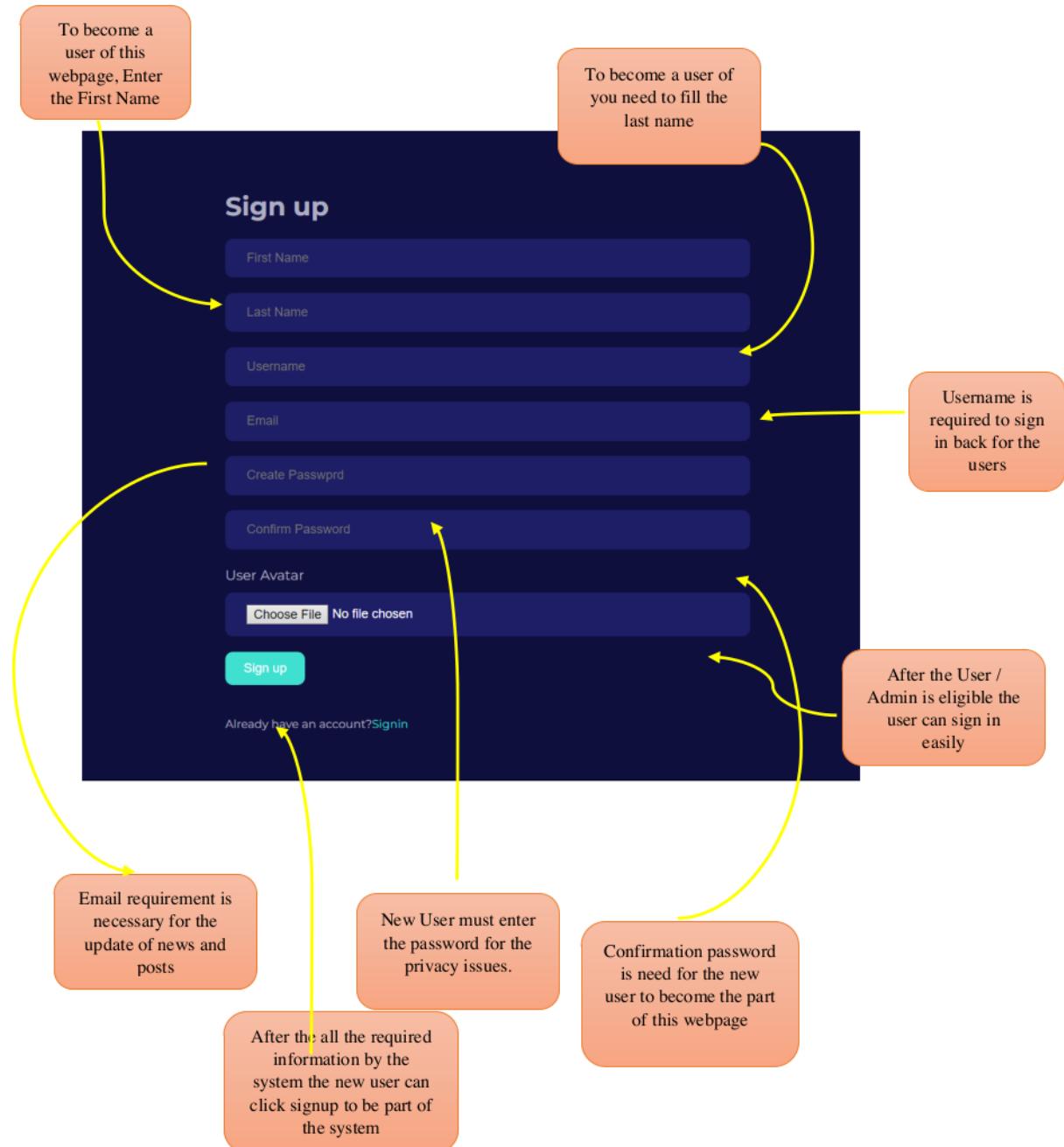


## Sign up page (user manual)





## Sign up page (user manual)



## Admin Manual

The screenshot shows a dark-themed admin dashboard. At the top, there's a navigation bar with links for 'blog', 'UI/UX', 'Specifications', and 'Art Gallery'. On the left, a sidebar lists 'Add Post' (selected), 'Manage Posts', 'Add User' (selected), 'Manage User', 'Add Category', and 'Manage Category'. The main content area is titled 'Manage Users' and shows a table with columns 'Title', 'Category', 'Edit', and 'Delete'. A single row is visible: 'excuse me this is my edit post' under 'Title', 'Animals' under 'Category', a blue 'Edit' button, and a red 'Delete' button. Several yellow arrows point from callout boxes at the bottom to specific UI elements: one arrow points to the 'Edit' button in the table; another points to the 'Edit' button in the sidebar; and others point to the 'Add Post' section in the sidebar and the 'Manage Category' section in the main content area.

This is Admin Add Post Section to Add Post

Admin can manage the post through this section

Admin can add different category through this section

Admin can manage user through this section

Admin can Manage Different Category through this section

Admin can edit post in the edit post page by clicking this

Admin can Delete the post easily through this button

Manage Post

Add Post

Manage Posts

Add User

Manage User

Add Category

Manage Category

Title

Category

Edit

Delete

excuse me this is my edit post

Animals

Edit

Delete

## Add Post

### Add Post

Title

Food

Featured

Add Thumbnail

Choose File | No file chosen

Add Post

Admin can Add Post after filling required information given above

Admin can feature post through this

Admin has to fill the information of the title for the post content

Admin can fill the title of the post

Admin can select the category by drop down menu

Admin can choose file from the device such as laptop or PC

## Edit Post

### Edit Post

excuse me this is my edit post

Food

For as long as humanity has existed, art has been part of our lives. For many years, people have been creating and enjoying art. It expresses emotions or expression of life. It is one such creation that enables interpretation of any kind.

It is a skill that applies to music, painting, poetry, dance and more. Moreover, nature is no less than art. For instance, if nature creates something unique, it is also art. Artists use their artwork for passing along their feelings.

Thus, art and artists bring value to society and have been doing

Featured

Change Thumbnail

Choose File No file chosen

Update Post

Admin Can Add Post after filling required information given above

Admin can fill the title of the post

Admin can feature post through this

Admin can select the category by drop down menu

Admin can choose file from the device such as laptop or PC

Admin has to fill the information of the title for the post content

## Add User

To add a new user of this webpage, Enter the First Name

Last name has to be filled for the new user registration

First Name

Last Name

Username

Email

Create Passwprd

Confirm Password

Author

User Avatar

Choose File No file chosen

Add user

Email requirement is necessary for the update of news and posts

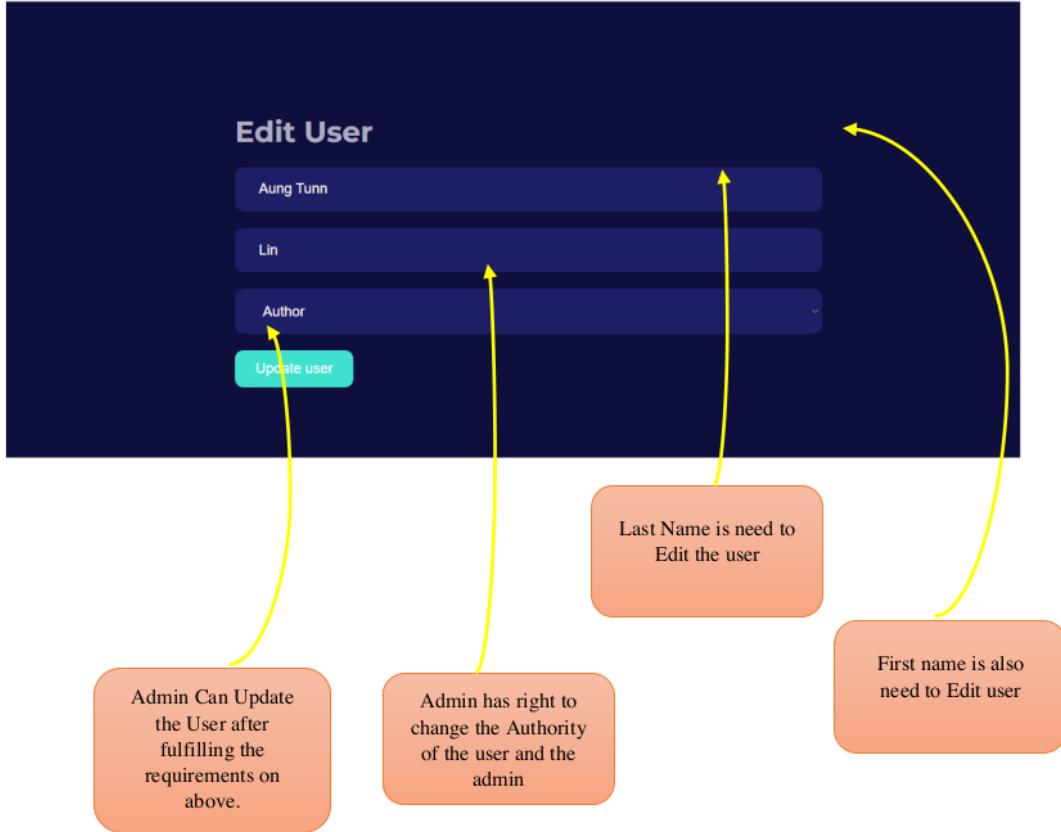
To Add user Admin must enter the password for the privacy issues.

Confirmation password is need for new user to become the part of this webpage

After the User / Admin is eligible the user can sign in easily

Username is required for registration to sign in back for the users

## Edit User



## Delete User

Name	Username	Edit	Delete	Admin
Aung Tunn Lin	DIAN	<button>Edit</button>	<button>Delete</button>	No
Sing is	sing	<button>Edit</button>	<button>Delete</button>	No
Su Hlaing	Teacher Su	<button>Edit</button>	<button>Delete</button>	No
Tanat Arora	Naveen	<button>Edit</button>	<button>Delete</button>	No

Admin can go to Edit Page by clicking the edit button

To Delete the user the admin has to just click the delete button to delete the user

The Data Information of the user

## Add Category



## Edit Category



## Delete Category

Title	Edit	Delete
Animals	<button>Edit</button>	<button>Delete</button>
Art	<button>Edit</button>	<button>Delete</button>
Food	<button>Edit</button>	<button>Delete</button>
Science and technology	<button>Edit</button>	<button>Delete</button>
Uncategorized	<button>Edit</button>	<button>Delete</button>
Wildlife	<button>Edit</button>	<button>Delete</button>

The Title of the Category Post

Admin can go to Edit Category Page by clicking the Edit Button

Admin can delete the Category Title just by clicking the Delete Button

## **Section E**

### Limitation of the system

Although there are numerous functional and non-functional elements in our hospital administration system, we have also noted a few restrictions. One of these restrictions is that, at the moment, uploading images to the system involves manual data entry because drag and drop capability is not supported by the system. Additionally, while users may buy drugs through the system, the only accessible payment option is cash, which may not be practical for all users.

We are always trying to make the system better by fixing these problems because we understand that these restrictions may negatively affect user experience. Our team is looking into possible alternatives to speed up the photo upload procedure and increase the payment choices for purchasing medications. To increase overall functionality and user happiness, it's critical to recognize constraints in software systems and strive to fix them.

### Recommended changes

In addition, we'll employ data analytics to learn more about user behavior and use trends, which will help us spot areas that might require more changes and additions. To create a smooth user experience and enhance the overall functioning of the application, we will also link the system with other healthcare platforms.

We'll go through rigorous testing and quality assurance procedures to make sure these new features and upgrades live up to the demands and expectations of our users. To make sure the application satisfies the demands of its intended users, this will comprise both human and automated testing as well as user acceptability testing. To give our users with the greatest experience possible, we are dedicated to constantly enhancing and developing our application.

## Critical reflection of the project experience

One of the most challenging aspects of this project has been the implementation of coding, which has presented me with a number of obstacles to overcome.

However, through hard work and dedication, I have been able to gain a deeper understanding of the coding process and have successfully implemented various functionalities into the system.

Through this project, I have learned about various concepts and ideas related to these fields. I have gained valuable insight into the process of designing and implementing a system, including the importance of budget management and allocation of responsibilities to each stakeholder involved in the project.

Additionally, I have been introduced to advanced techniques for data collection, which I believe will be immensely helpful in my future work.

## 1.2 Changeover Procedure (System Implementation)

The typical switching method phases might be as follows:

**Planning and preparation:** Create a thorough implementation plan that identifies the duties, available materials, and timetable for the transition process. Coordination with the development team, stakeholders, and users is part of this.

**Migration of data:** Move the pertinent information from the old system to the new web application. This might entail converting data formats, mapping data fields, and maintaining data integrity during the transfer process.

**Testing and quality assurance:** To make sure the new web application works as intended and satisfies the criteria, thoroughly test it. This involves doing usability, security, compatibility, and bug testing.

**User training and documentation:** Educate users of the web application on the new features, capabilities, and processes by offering training and support. Create documentation, user manuals, and instructions to help users get the most of the system.

**Depending on the complexity and size of the web application,** you may decide to build the system either concurrently with the current system for a period of time or in stages, introducing users to the new application gradually.

**Go-live and transition:** After the new web application has been given the all-clear to go into production, launch it and make sure there is a seamless changeover from the previous system to the new one. During the early phase, keep a tight eye on the system to handle any potential problems.