Website Competition

Sri Lanka Institute of Advanced Technological Education – Gampaha

Higher National Diploma in Information Technology

Group Members

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P.N.G.Pathiraja – GAM/IT/2022/F/0023

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Acknowledgement

We, the students of SLIATE, would like to express our heartfelt gratitude to all those who supported us in developing this website for the competition.

First and foremost, we extend our sincere thanks to our lecturer, **Mrs. M.V.M. Jayathilaka**, for his invaluable guidance, encouragement, and expertise throughout the project. His mentorship has been instrumental in helping us bring this idea to fruition.

We also take this opportunity to acknowledge the efforts and contributions of our group members. Their dedication, teamwork, and creativity have been the driving force behind this project.

We are grateful to our peers and the entire SLIATE community for their constructive feedback and unwavering support during this journey.

Finally, we thank the organizers of the competition for providing us with this opportunity to showcase our skills and creativity. This project has been a significant learning experience for all of us.

Thank you!

Introduction

The Sri Lanka Institute of Advanced Technological Education (SLIATE) plays a vital role in providing quality higher education for students across Sri Lanka. To enhance its digital presence and meet the evolving needs of its community, we embarked on a project to develop a new website for SLIATE as part of a competition.

This website aims to serve as a comprehensive platform, offering students, lecturers, and stakeholders easy access to essential information, academic resources, and updates about SLIATE's activities. Designed with user-friendliness and functionality in mind, the website seeks to bridge communication gaps and showcase the institution's achievements and opportunities.

The project also provided us, as students, with a valuable learning experience in website design and development. By integrating modern web technologies and best practices, we created a platform that reflects SLIATE's values of innovation and excellence.

This initiative was not just a technical challenge but also a collaborative effort that strengthened our teamwork, creativity, and problem-solving skills. Through this project, we aim to contribute to SLIATE's mission of advancing education and ensuring its relevance in the digital age.

We are excited to present this website as a testament to our skills and dedication, reflecting the spirit of innovation and excellence upheld by SLIATE.

Literature Review

A.

The Colombo University website is a comprehensive platform designed to meet the diverse needs of its users, including students, faculty, and external stakeholders. The homepage is structured to provide a professional appearance, highlighting the university's latest news, upcoming events, and featured courses. Its intuitive navigation allows users to access various sections such as academic programs, faculty details, research publications, and notices.

One notable feature of the Colombo University website is its emphasis on accessibility. The website employs a responsive design, ensuring compatibility across a range of devices, from desktops to smartphones. This enhances user experience and ensures inclusivity. The multilingual support feature allows content to be accessed by a broader audience, catering to Sri Lanka's diverse linguistic groups.

Additionally, the website makes effective use of multimedia elements such as images, videos, and banners to engage users and promote the university's academic and extracurricular activities. A consistent color scheme and typography align with the institution's branding, enhancing the website's overall aesthetic appeal.

The insights gained from analyzing the Colombo University website inspired us to adopt a similar approach for the SLIATE website. Key elements such as structured content layout, responsive design, and user-friendly navigation were implemented to enhance usability and accessibility.

B.

The NSBM University website stands out as a modern and visually dynamic platform designed to meet the needs of a tech-savvy audience. The site prioritizes user engagement through an appealing and interactive interface. Its homepage is well-organized, showcasing essential links to academic services, upcoming conferences, student life and latest news. The inclusion of announcements and quick access features ensures that users can find critical information efficiently.

Branding plays a significant role in the NSBM website design. The use of consistent colors, typography, and imagery aligns with the institution's modern identity. The responsive layout ensures seamless accessibility on various devices, from desktop computers to mobile phones, making it highly functional for a wide audience.

Another noteworthy aspect is its integration of multimedia, such as videos and high-quality images, which effectively promote university activities, events, and facilities. The site also emphasizes interactivity, with features like virtual tours and event calendars, which enhance user engagement.

The NSBM website served as a major inspiration for the SLIATE website project. By adopting features such as a vibrant design, multimedia integration, and user-focused functionality, we aimed to create a dynamic platform that resonates with students and stakeholders while maintaining institutional branding.

Software Development Methodology

Agile Scrum

Agile Scrum is a widely used framework within the Agile methodology that emphasizes collaboration, adaptability, and incremental progress in project management and product development. It is particularly popular in software development but has been adopted across various industries for its efficiency and flexibility.

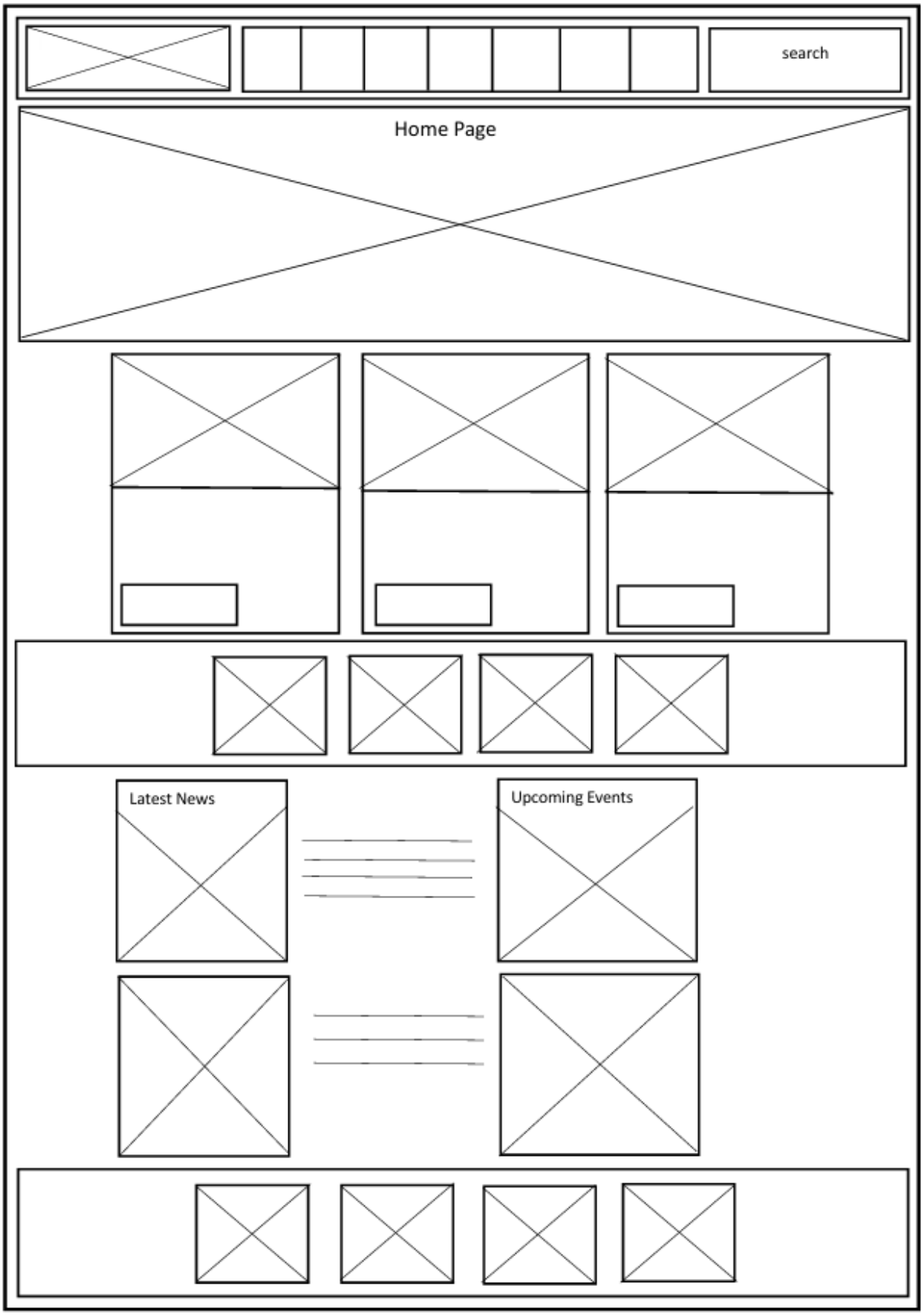
Scrum is built around the principles of Agile, focusing on delivering value to customers through iterative development cycles called **sprints**. These sprints typically last 2–4 weeks, allowing teams to produce functional deliverables frequently and adapt to changes in requirements. The framework fosters teamwork, accountability, and continuous improvement, making it highly effective for complex projects.

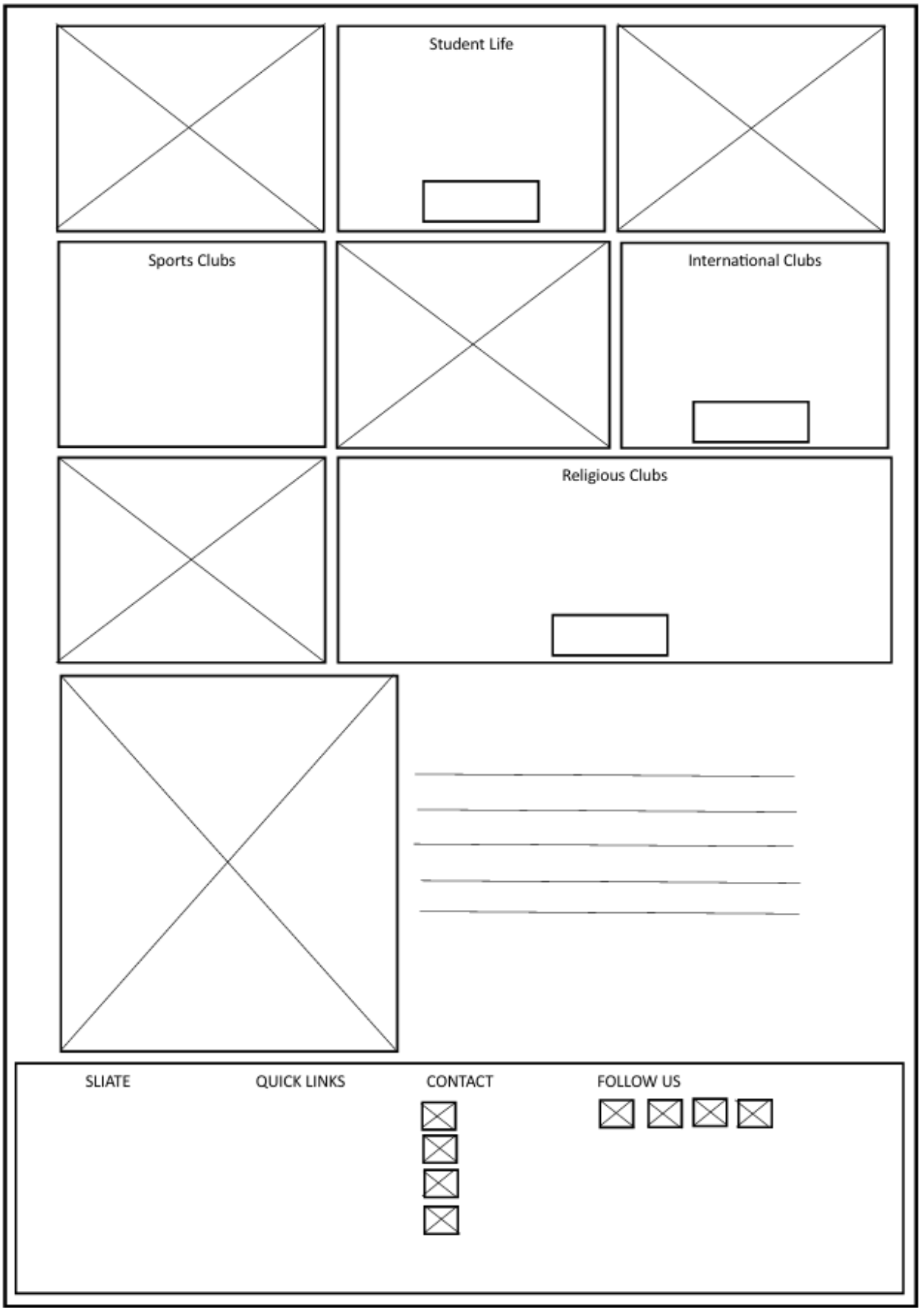
In Agile Scrum, the project is broken down into smaller tasks prioritized by the **Product Owner** in a **Product Backlog**. The team selects tasks for each sprint during **Sprint Planning** and works collaboratively to complete them. Regular events, such as **Daily Scrum meetings**, ensure transparency and communication among team members.

By emphasizing iterative progress, customer collaboration, and responsiveness to change, Agile Scrum helps teams manage uncertainty and deliver high-quality products that meet evolving stakeholder needs. This makes it an essential framework for organizations aiming to stay competitive in fast-paced, dynamic environments.

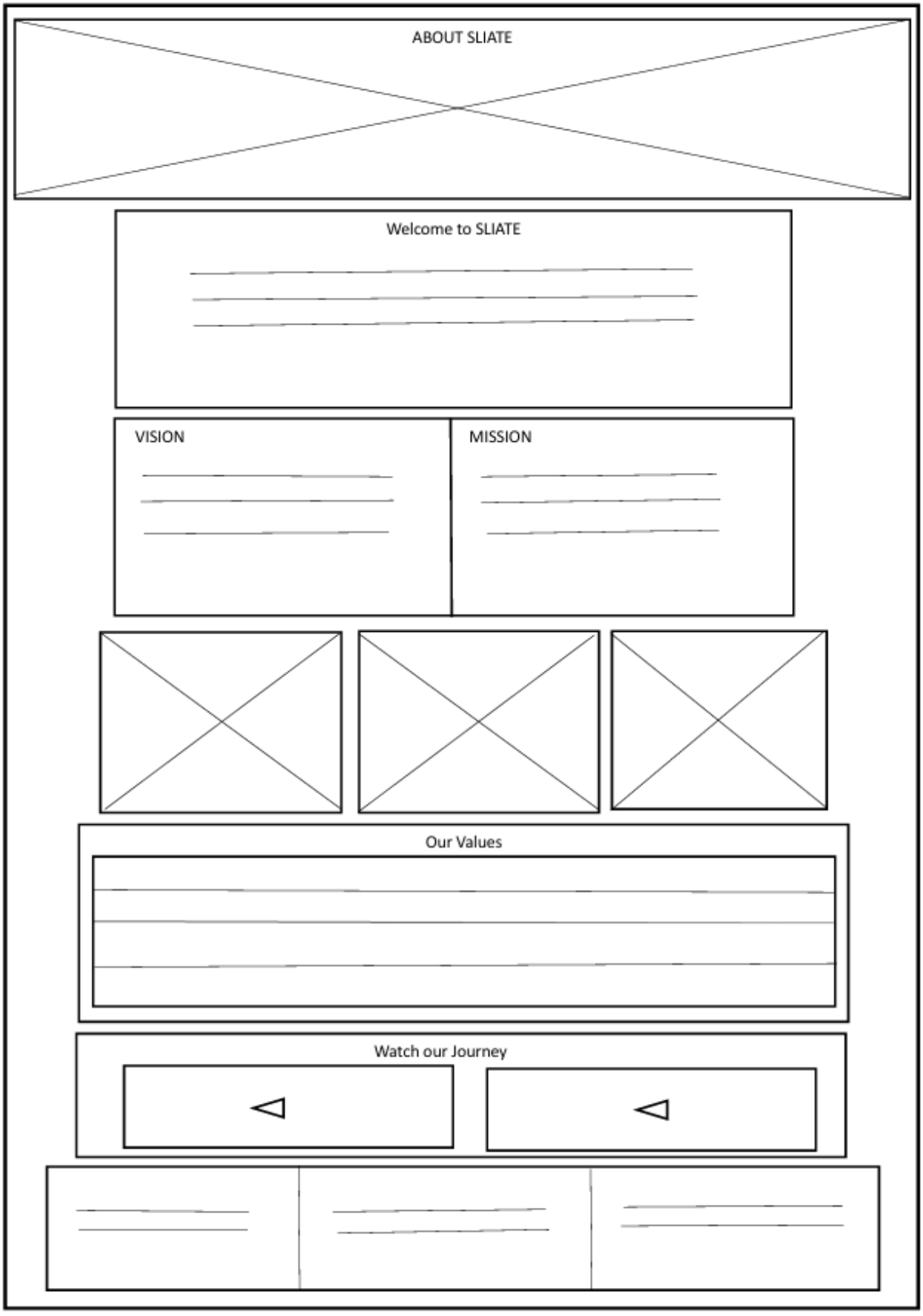
Wireframes

Home Page

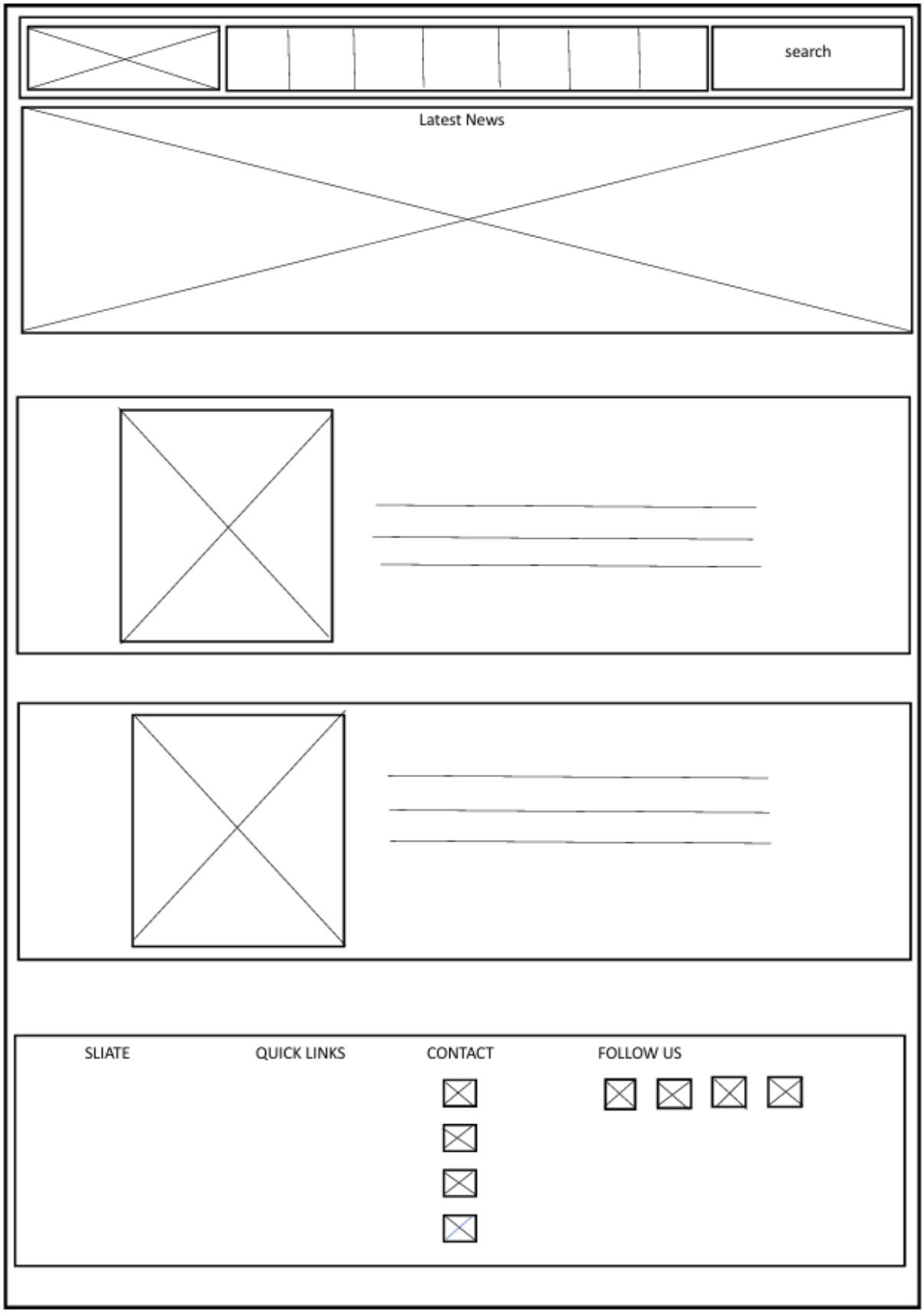



Student Life
Sports Clubs
International Clubs
Religious Clubs
SLIATE
QUICK LINKS
CONTACT
FOLLOW US

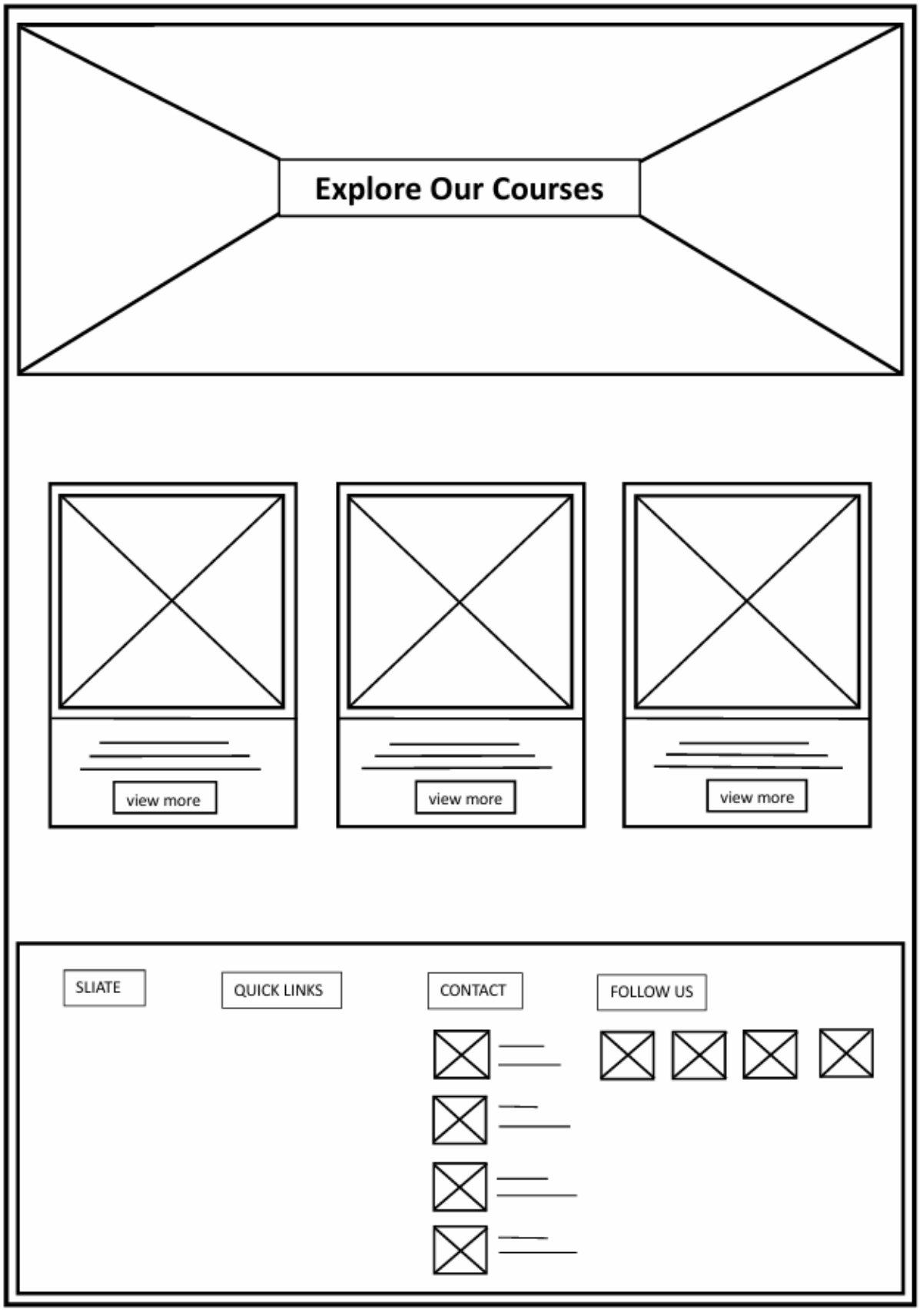
About Us Page

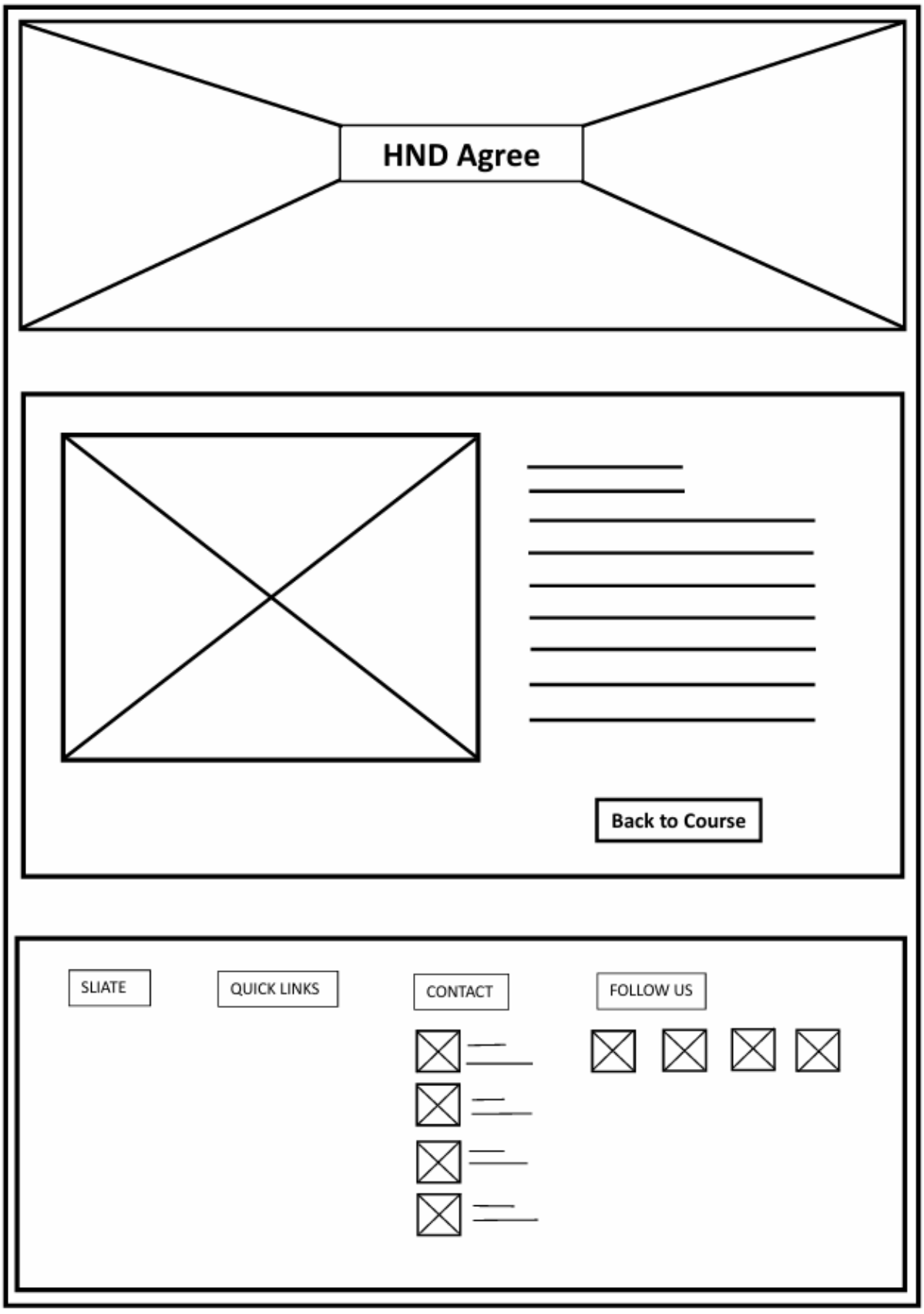


News Page



Courses Page

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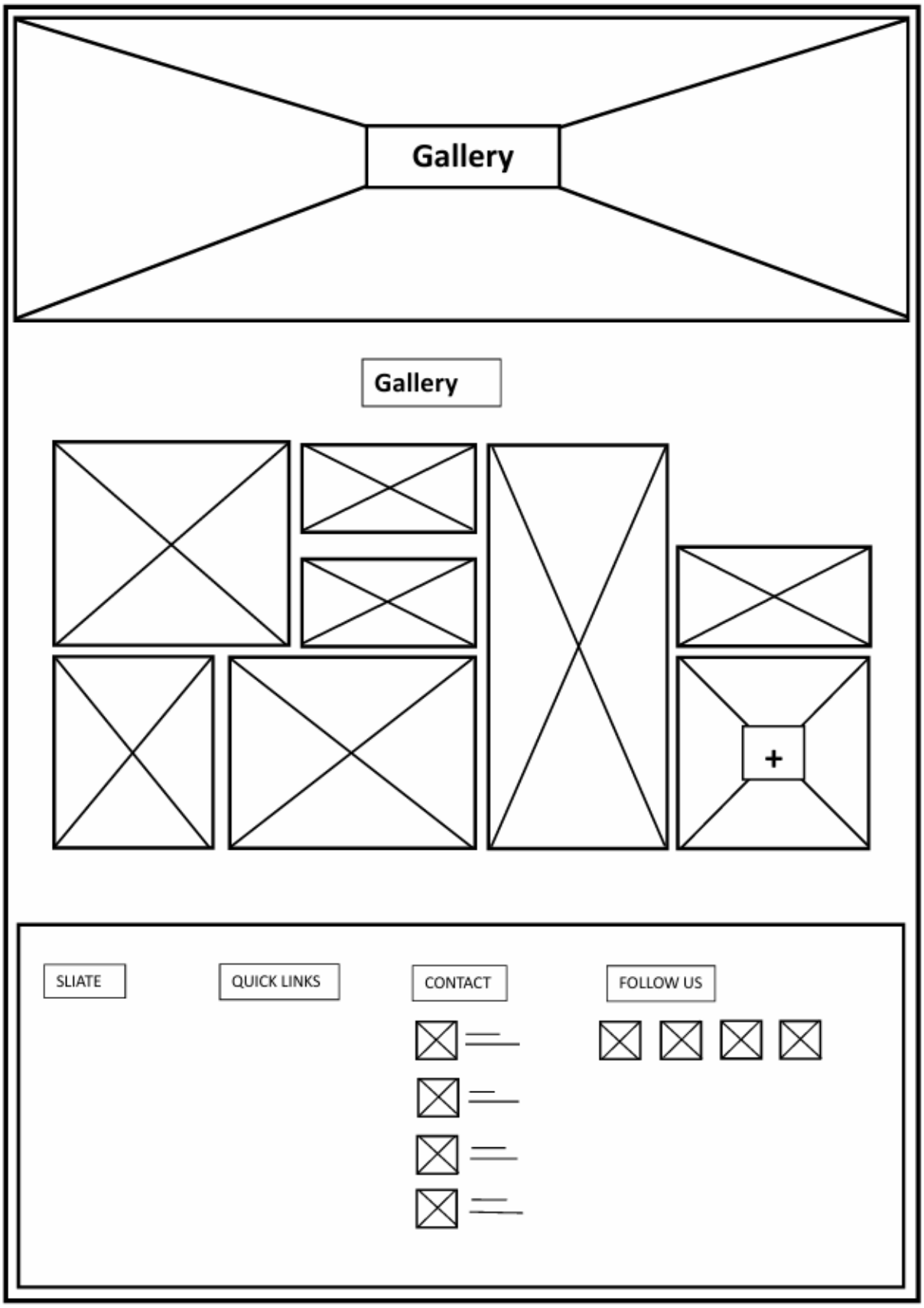
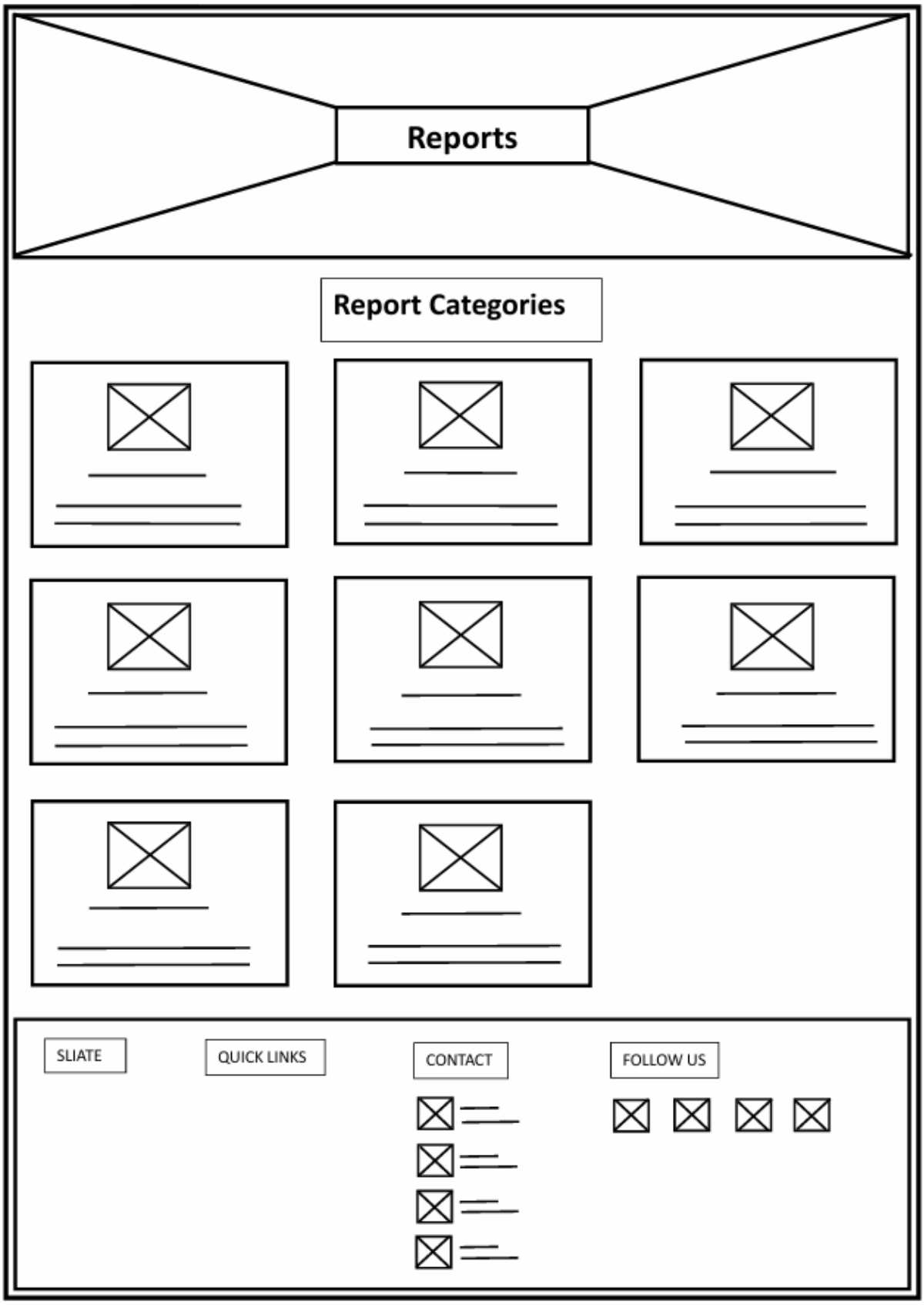
Back to Course
SLIATE
QUICK LINKS
CONTACT
FOLLOW US

Gallery Page

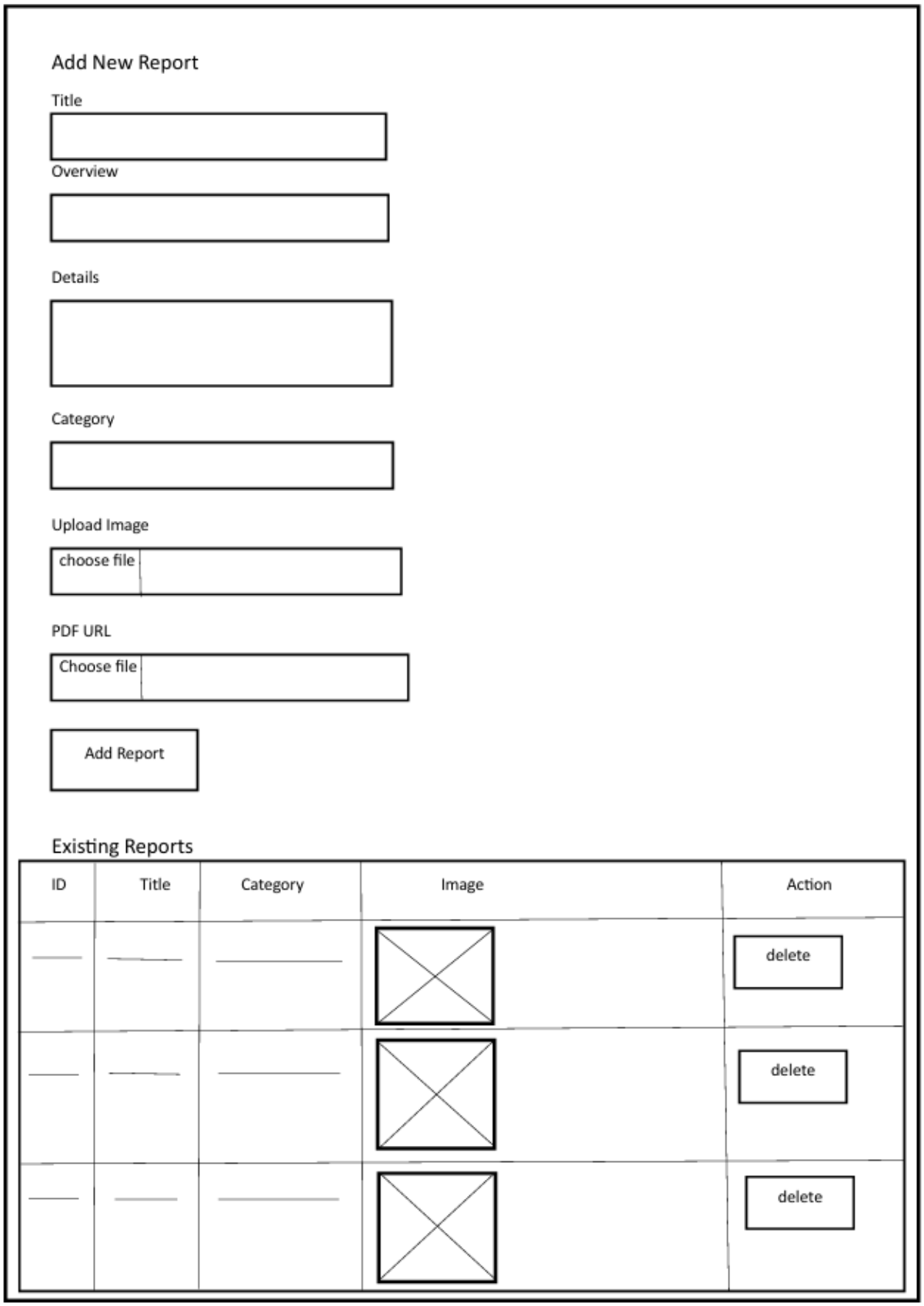


Report Page

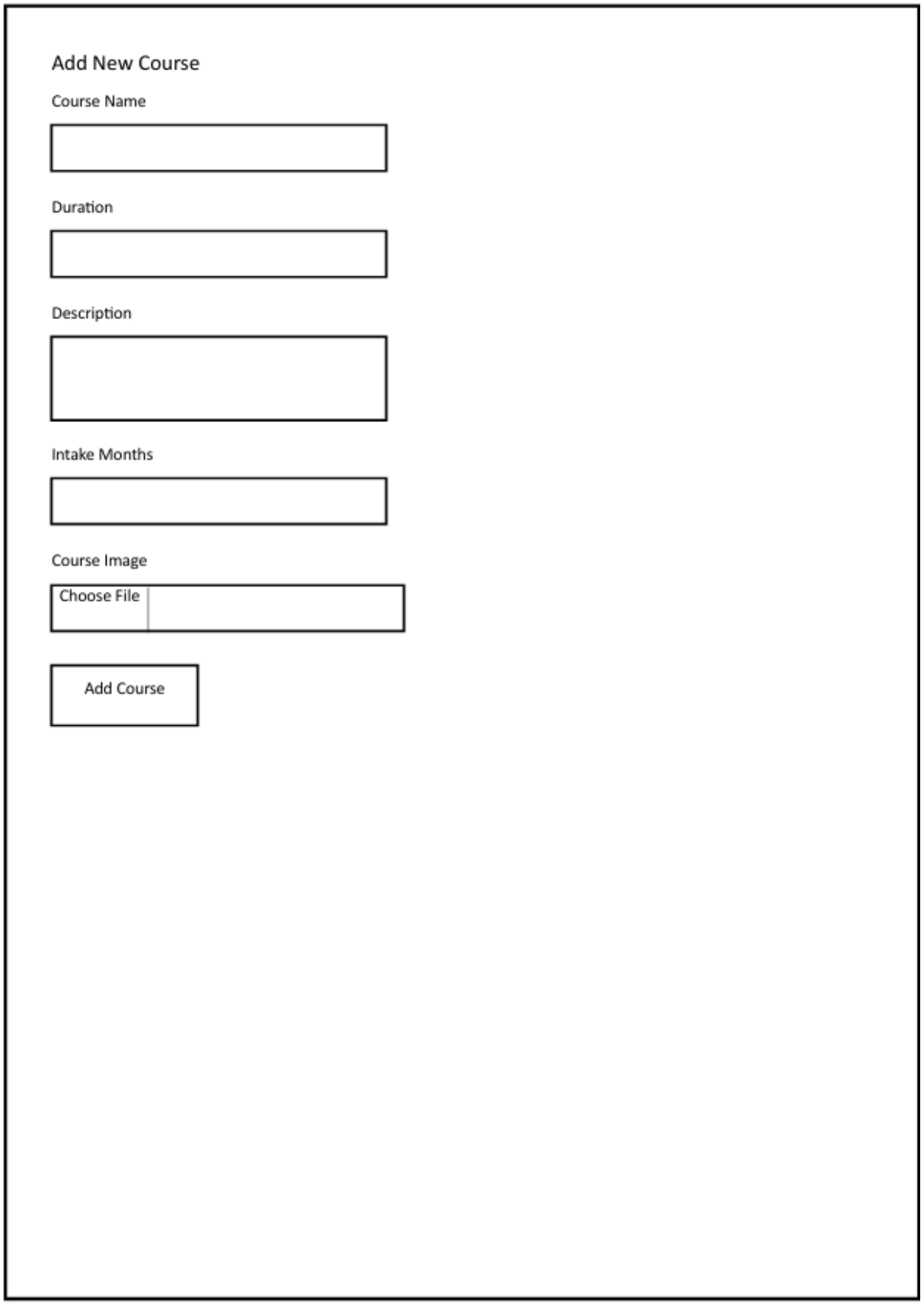

Reports
Report Categories
SLIATE
QUICK LINKS
CONTACT
FOLLOW US

Admin Panel

Add new Report and Existing Reports



Add new Course



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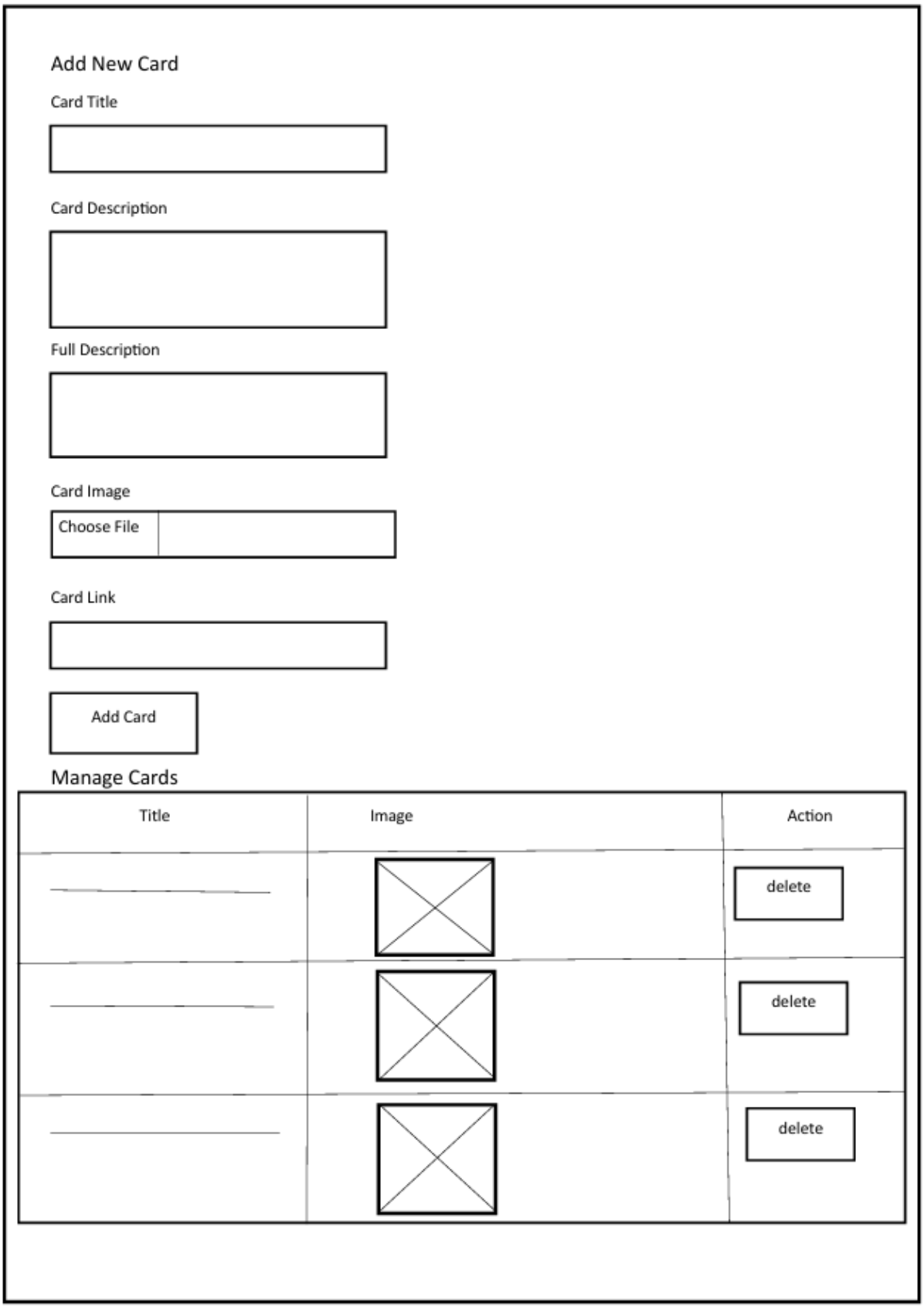
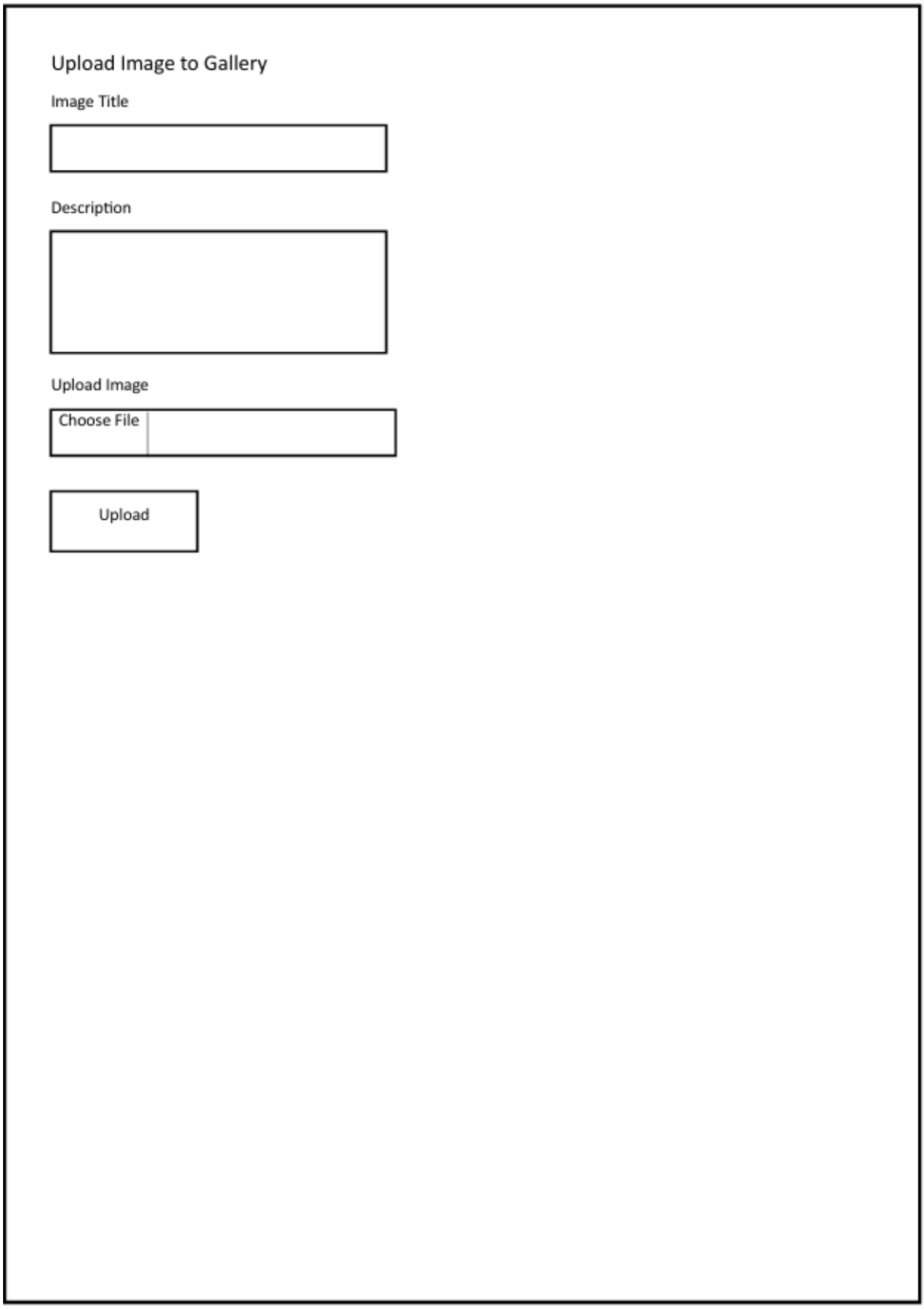
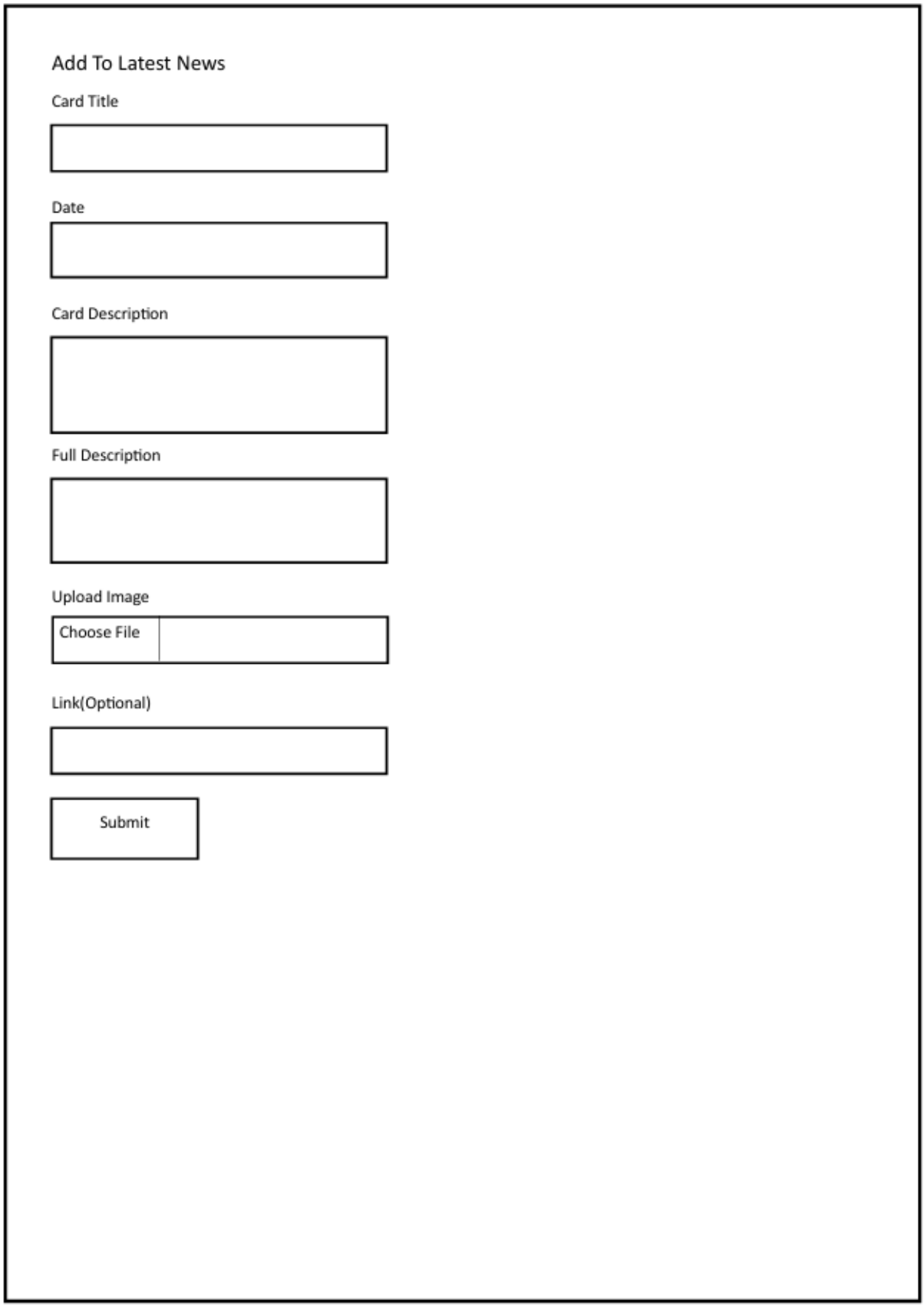


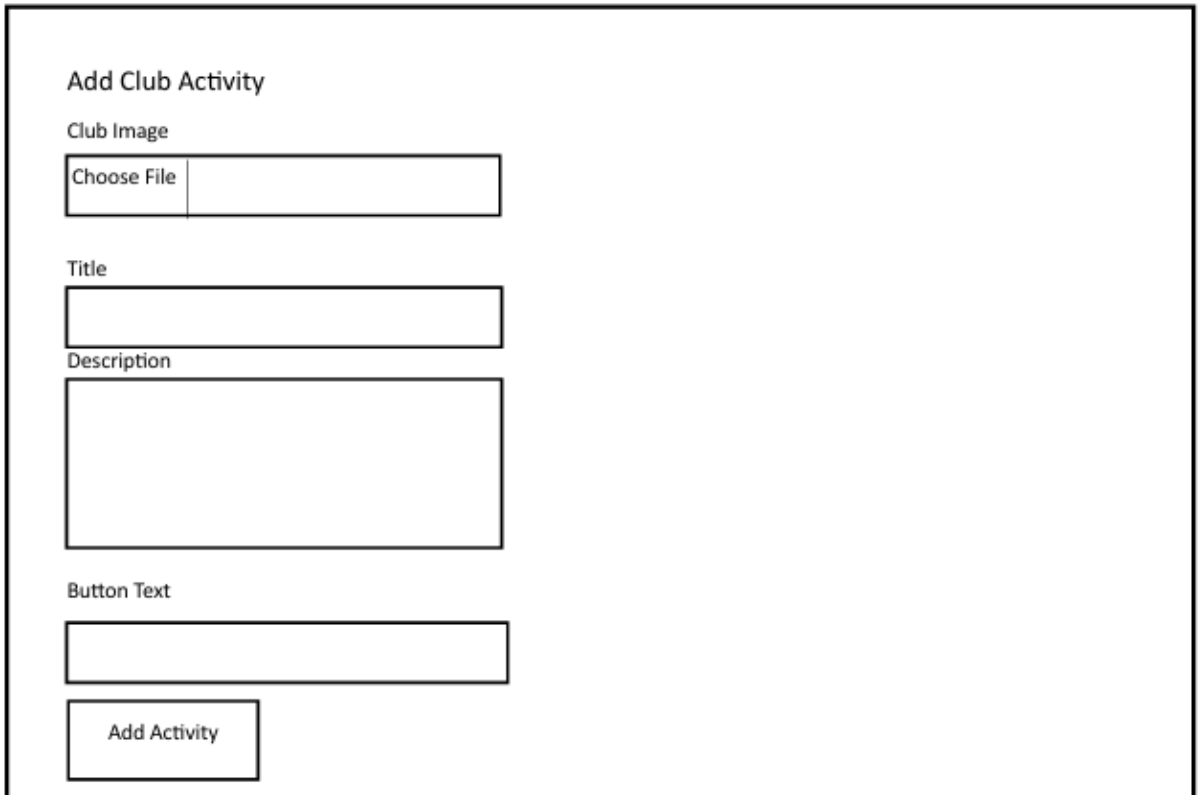
Upload Image to Gallery



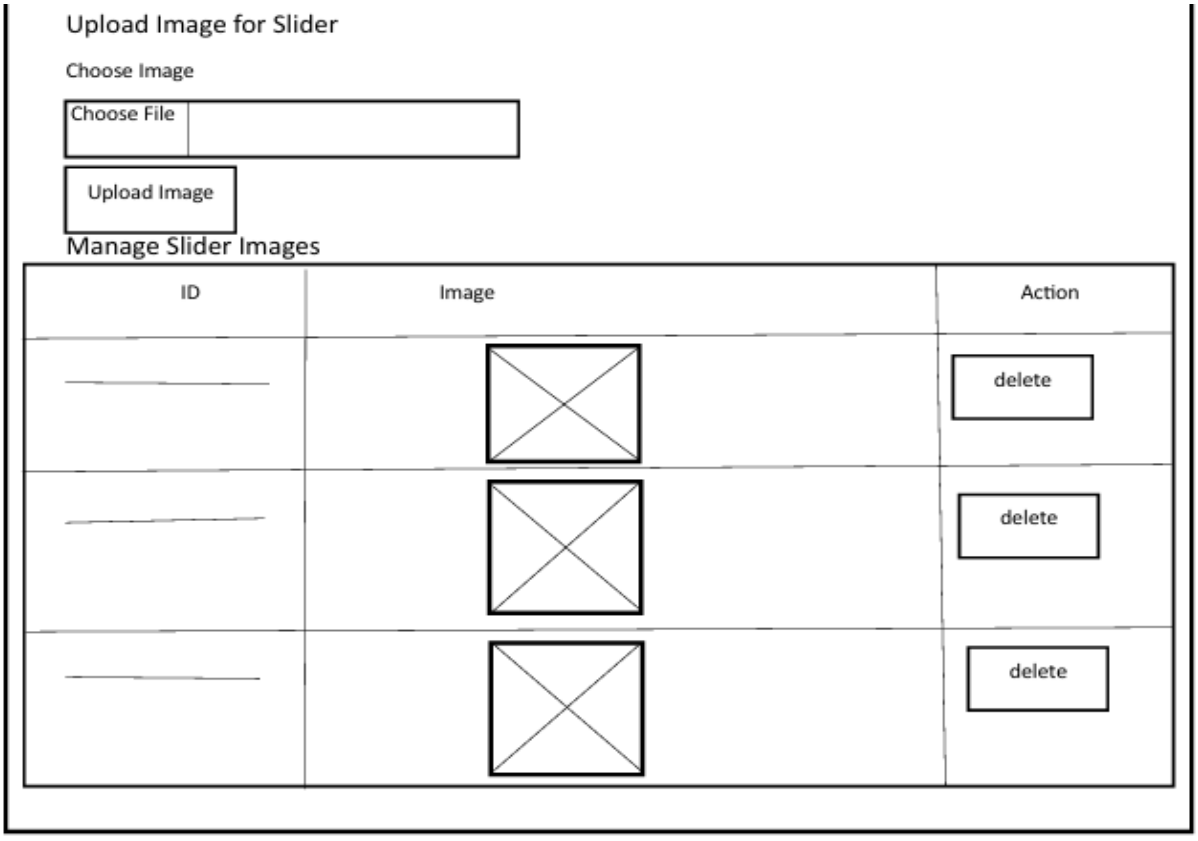
Add to Latest News



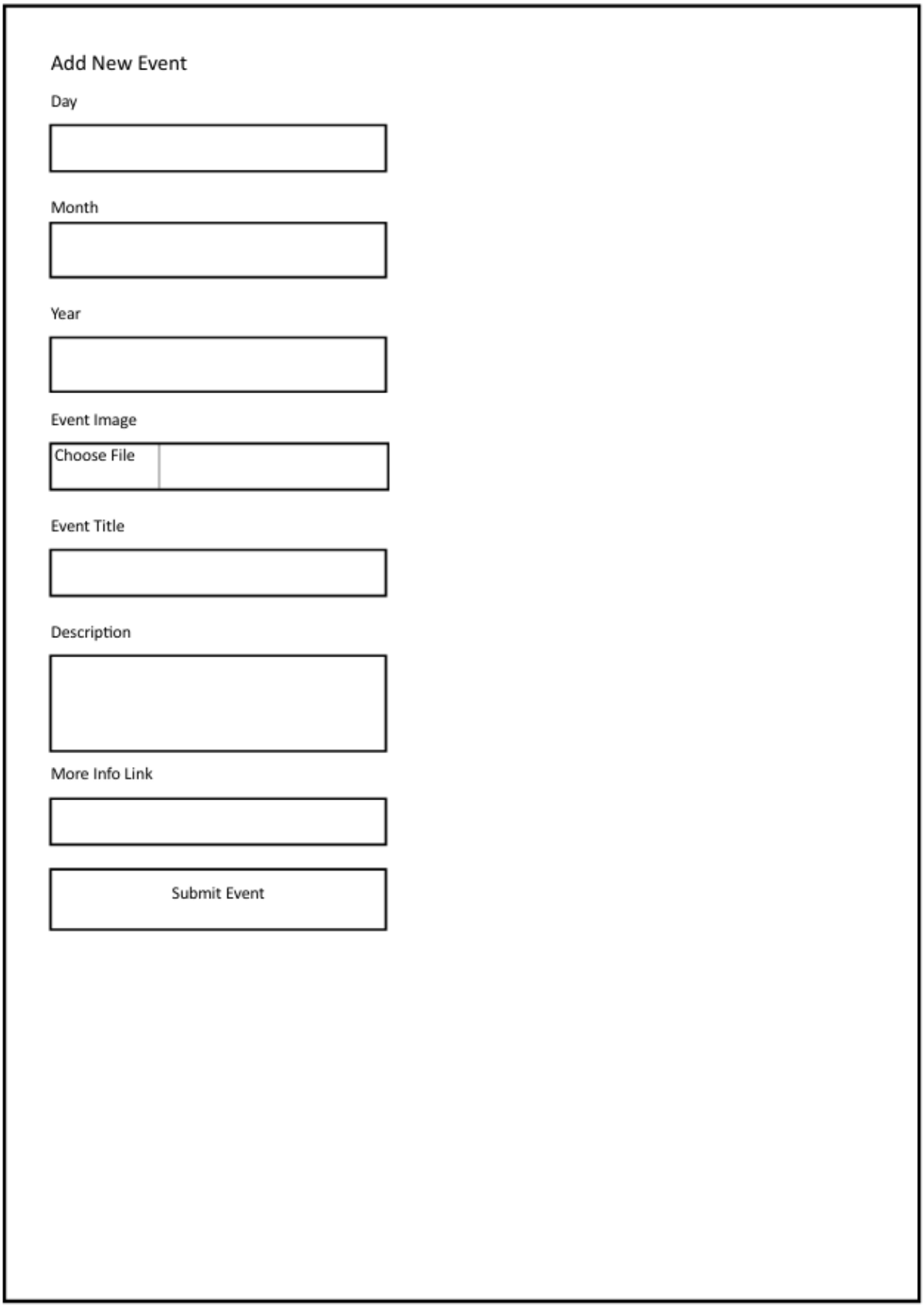
Add Club Activity



Upload Image for Slider and Manage Slider Images

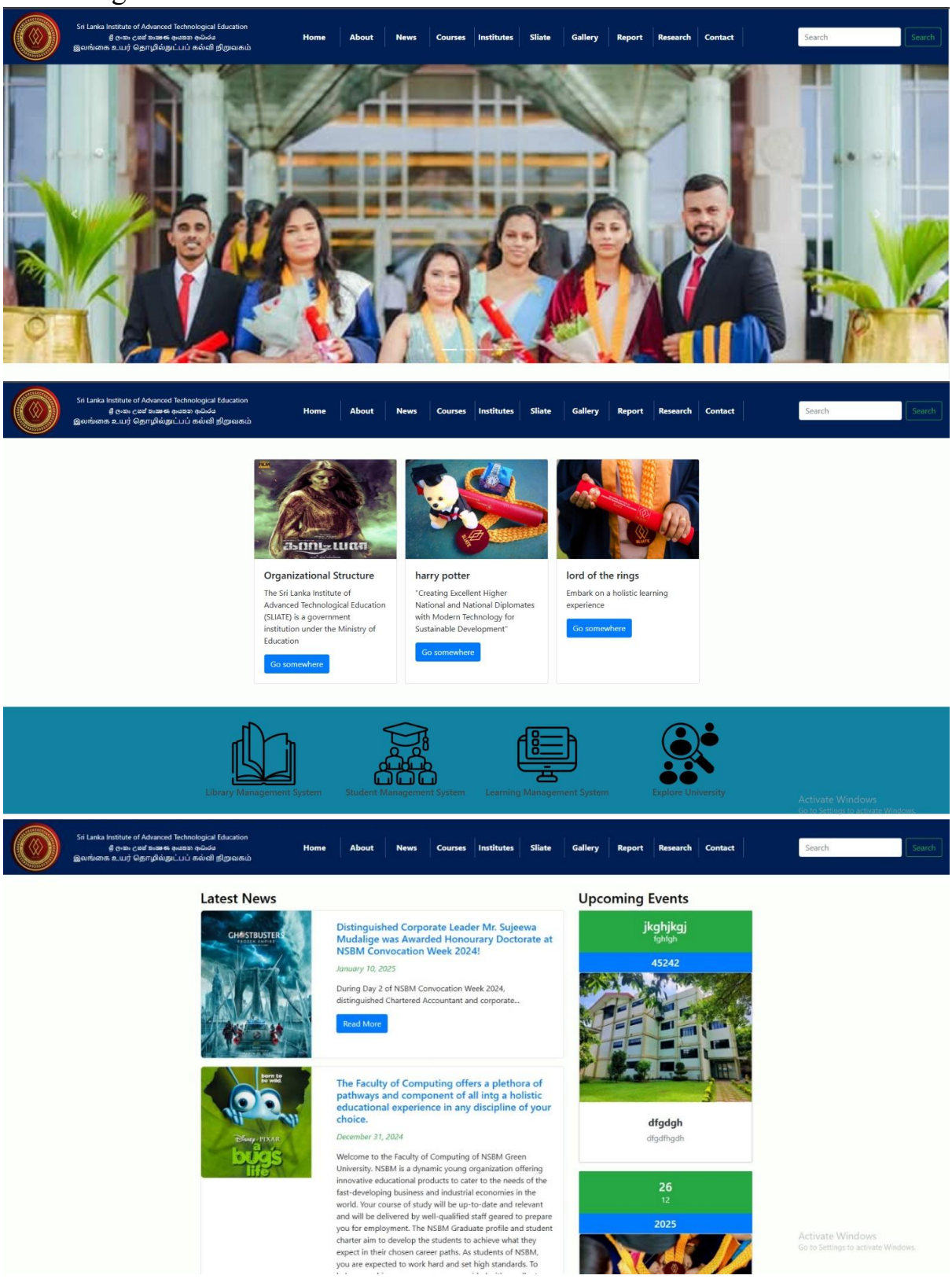


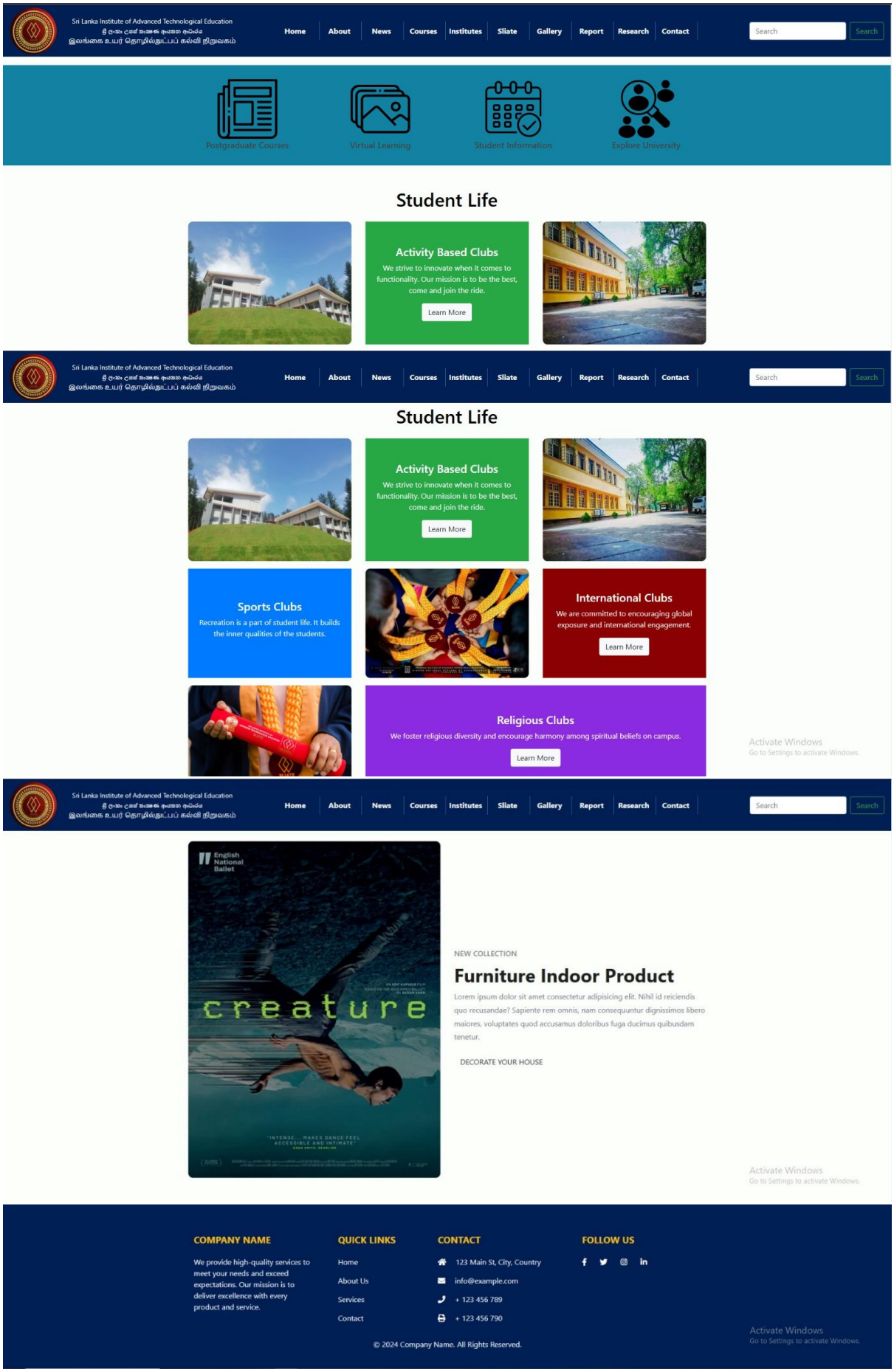
Add New Event



Interfaces

Home Page




Sri Lanka Institute of Advanced Technological Education
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இலங்கை உயர் தொழில்நுட்பப் கல்வி நிறுவகம்
Home
About
News
Courses
Institutes
Sliate
Gallery
Report
Research
Contact
Search
Search
Postgraduate Courses
Virtual Learning
Student Information
Explore University
Student Life
Activity Based Clubs
We strive to innovate when it comes to functionality. Our mission is to be the best, come and join the ride.
Learn More
Sports Clubs
Recreation is a part of student life. It builds the inner qualities of the students.
International Clubs
We are committed to encouraging global exposure and international engagement.
Learn More
Religious Clubs
We foster religious diversity and encourage harmony among spiritual beliefs on campus.
Learn More
English National Ballet
creature
NEW COLLECTION
Furniture Indoor Product
Lorem ipsum dolor sit amet consectetur adipisicing elit. Nihil id reiciendis quo recusandae? Sapiente rem omnis, nam consequuntur dignissimos libero maiores, voluptates quod accusamus doloribus fuga ducimus quibusdam tenetur.
DECORATE YOUR HOUSE
COMPANY NAME
We provide high-quality services to meet your needs and exceed expectations. Our mission is to deliver excellence with every product and service.
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Contact
CONTACT
123 Main St, City, Country
info@example.com
+ 123 456 789
+ 123 456 790
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Go to Settings to activate Windows.

About Page

WELCOME TO SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION (SLIATE)

SLIATE is a leading government institution in Sri Lanka dedicated to providing high-quality education in technological and professional fields. Our goal is to empower students with the knowledge, skills, and leadership qualities required to excel in their careers and contribute to national development.

Our Vision

To be the premier higher education institution in Sri Lanka, recognized for excellence in technological education and innovation. We strive to equip students with cutting-edge knowledge and skills, inspiring them to become transformative leaders and change-makers in their fields.

Our Mission

To produce globally competent, innovative, and adaptable graduates in technological and professional disciplines. We aim to deliver quality education by fostering a learner-centered environment and cultivating partnerships with industry and community stakeholders to meet emerging demands in a dynamic world.

Our Gallery

Our Core Values

- Integrity and Ethics
- Innovation and Creativity
- Diversity and Inclusion
- Excellence in Education
- Community Engagement

Watch Our Journey

10,000+	500+	50+
Students Enrolled	Qualified Faculty	Years of Excellence

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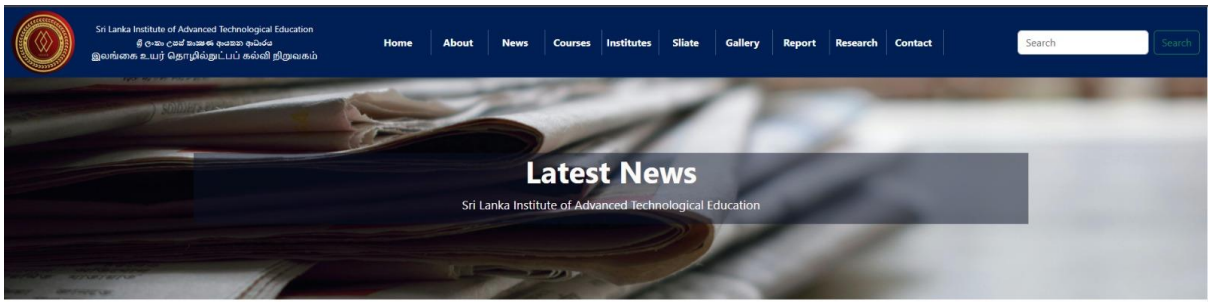
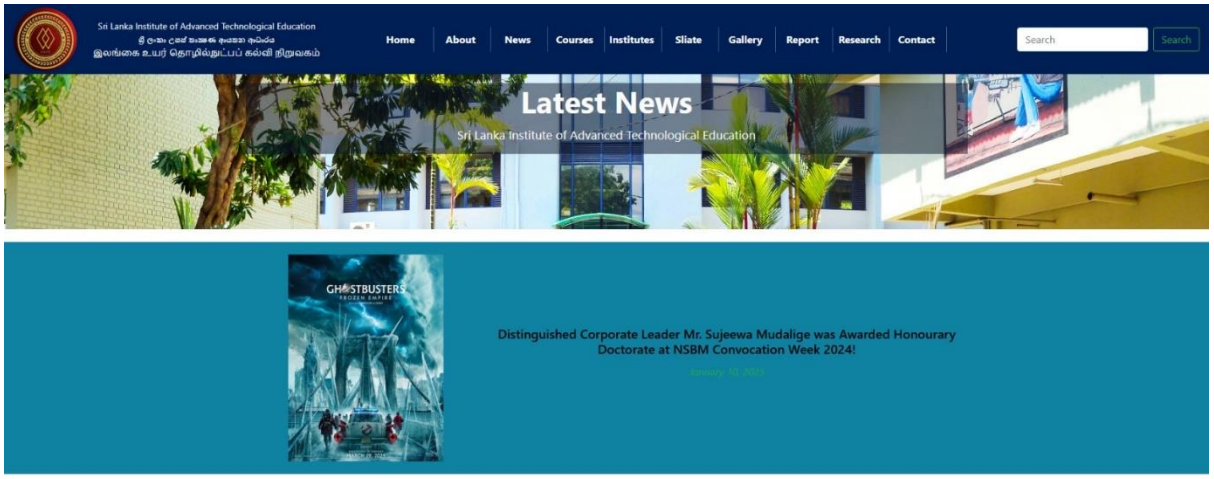
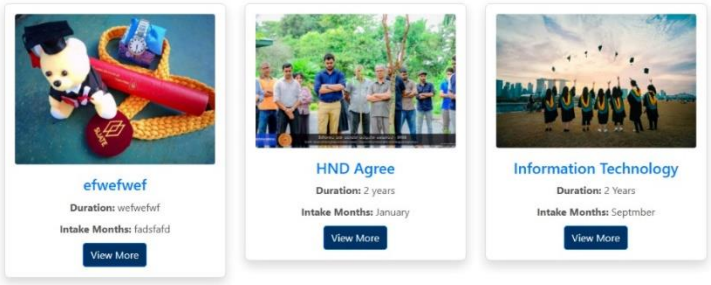
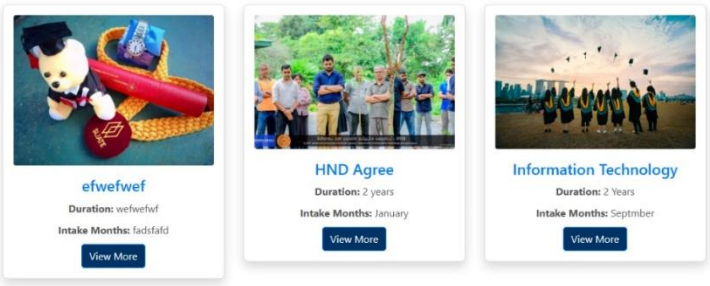
Latest News Page

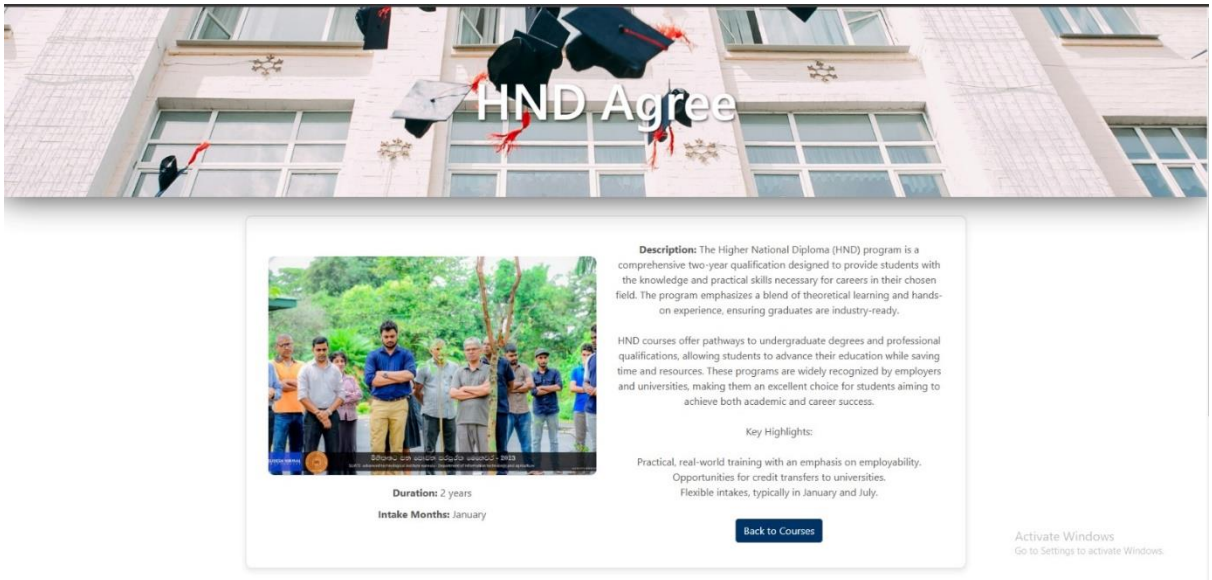




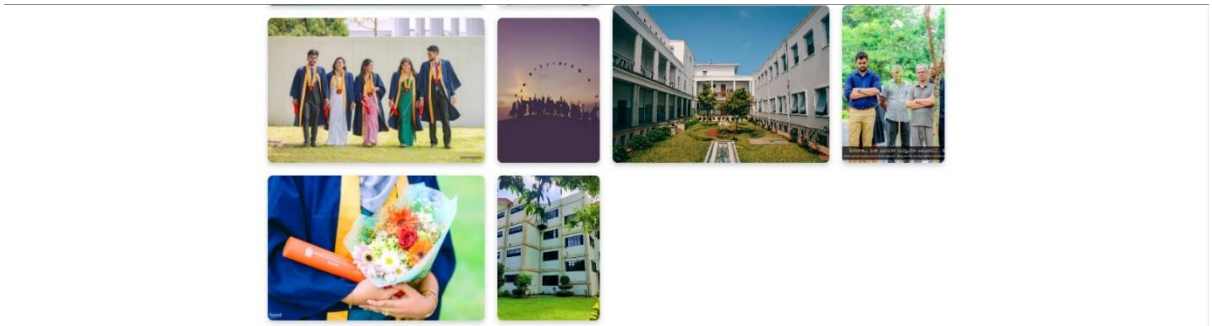
Courses Page



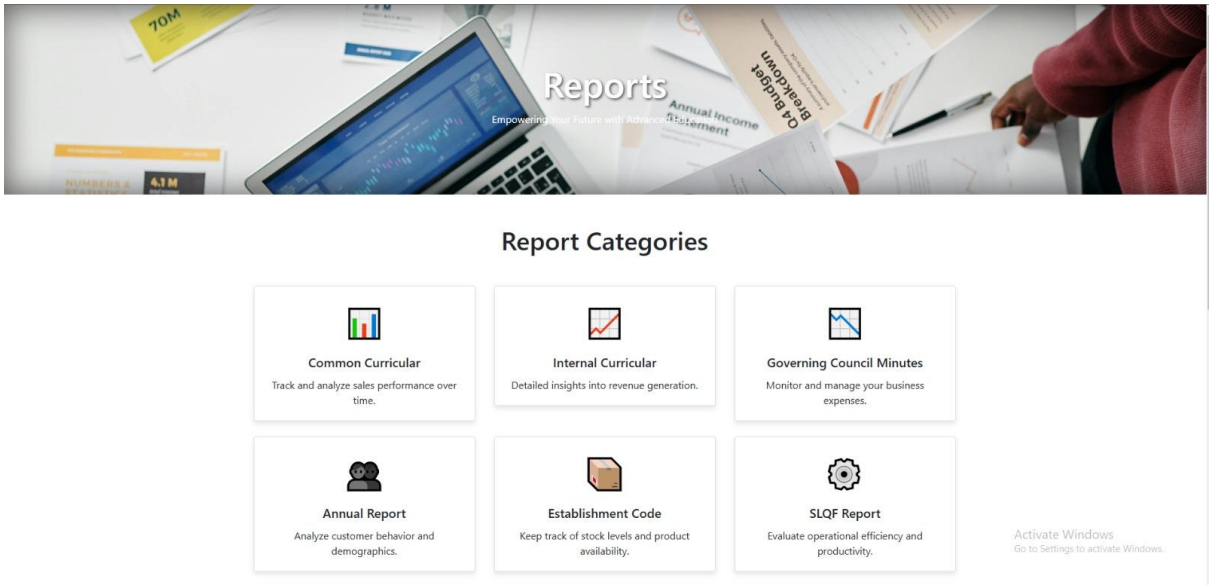




Gallery Page



Reports Page



Report Categories

Common Curricular
Track and analyze sales performance over time.

Internal Curricular
Detailed insights into revenue generation.

Governing Council Minutes
Monitor and manage your business expenses.

Annual Report
Analyze customer behavior and demographics.

Establishment Code
Keep track of stock levels and product availability.

SLQF Report
Evaluate operational efficiency and productivity.

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Policy Papers
Understand profitability with detailed P&L analysis.

Common Application Formats
Track maintenance activities and schedules.

SOR
Review attendance records and staff schedules.

List Of Registered Suppliers
Analyze customer and staff feedback.

COMPANY NAME

We provide high-quality services to meet your needs and exceed expectations. Our mission is to deliver excellence with every product and service.

QUICK LINKS

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About Us
Services
Contact

CONTACT

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info@example.com
+ 123 456 789
+ 123 456 790

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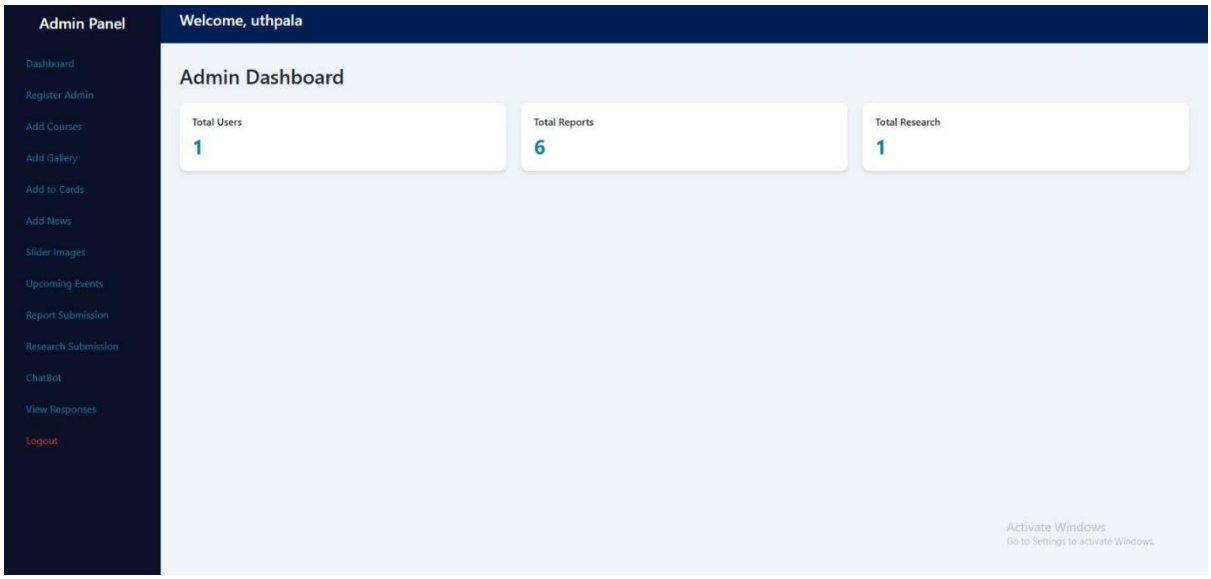
Admin Panel

Admin Dashboard



Add a New Report and Existing Reports

PDF URL

Choose file | No file chosen

Add Report

Existing Reports

ID	Title	Category	Image	Actions
13	dfgd	Common Curricular		Delete
14	sds	List Of Registered Suppliers		Delete
15	df	Common Curricular		Delete

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Add new Course

Add New Course

Course Name

Duration

Description

Intake Months

Course Image

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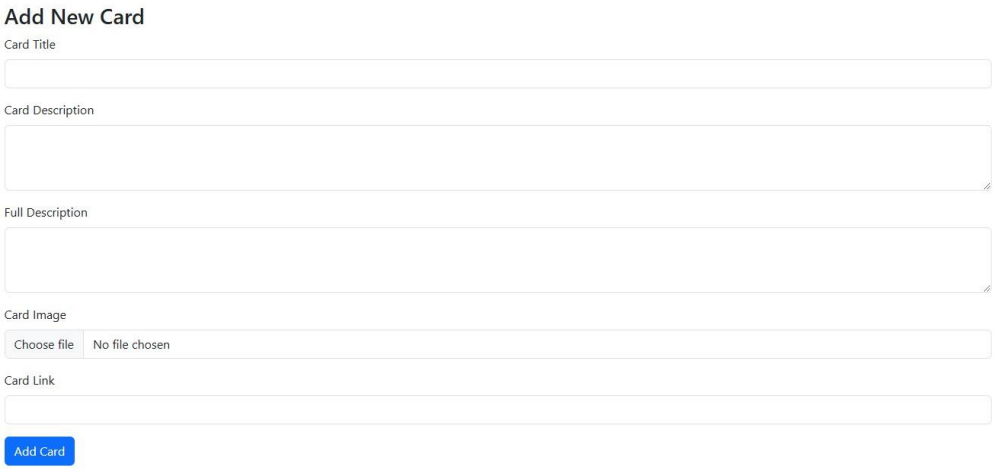
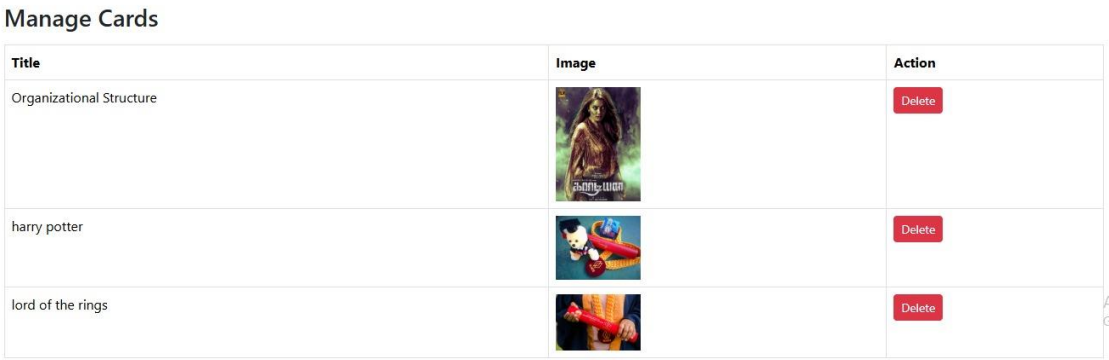
Add Course

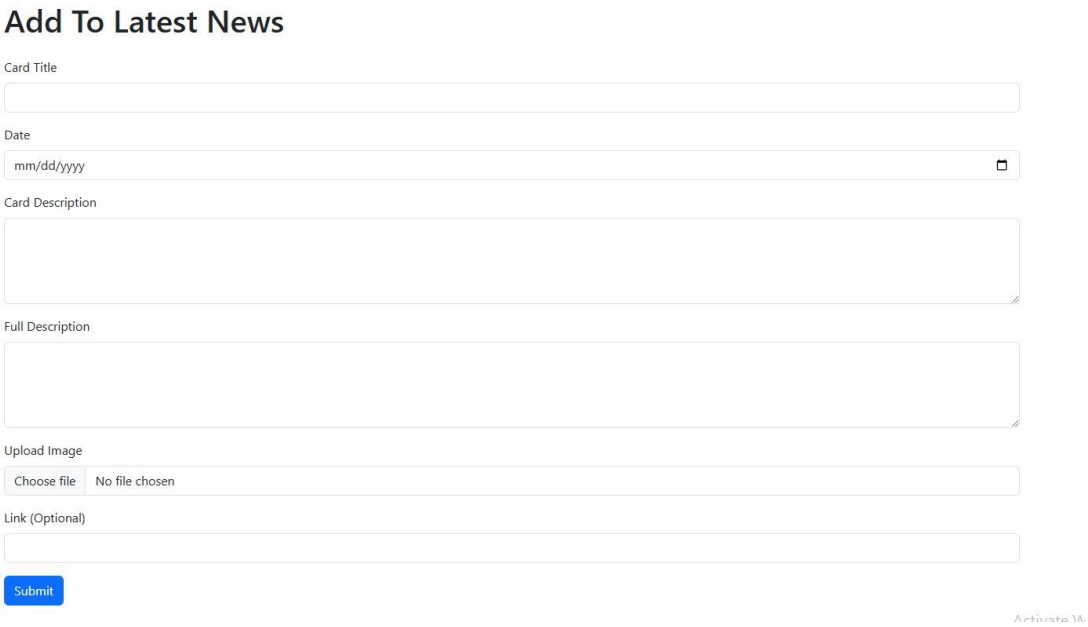
Add new Card and Manage Cards





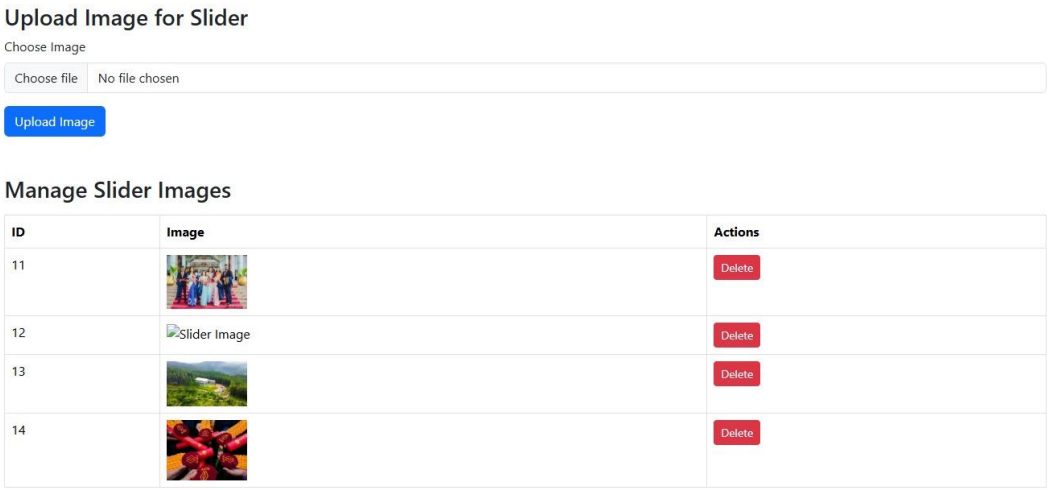
Upload Image to Gallery

Add to Latest News

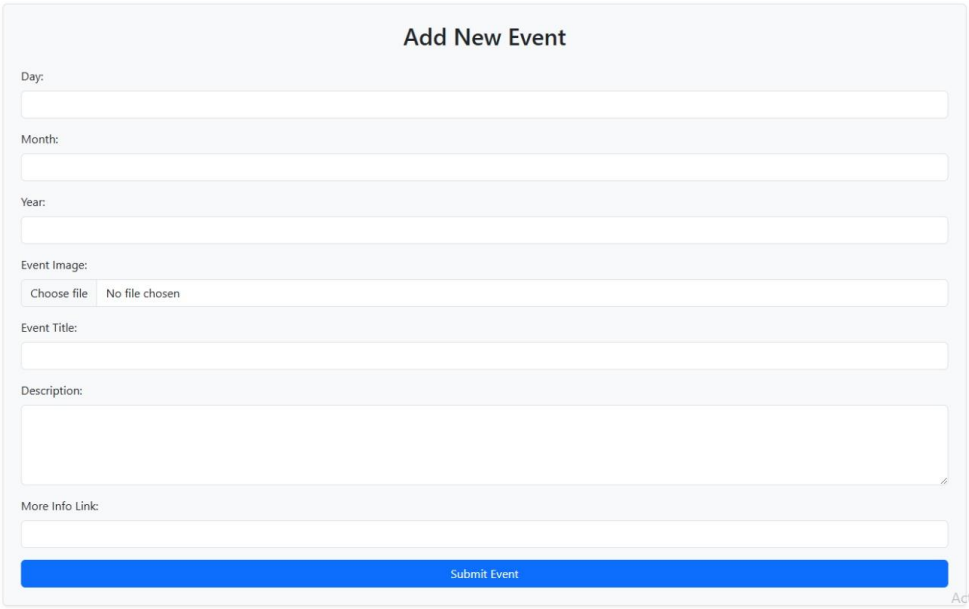


Add Club Activity

Upload Image for Slider and Manage Slider Images



Add new Event



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Conclusion

The development of the new website for SLIATE as part of this project has been a transformative journey, combining technical expertise, creativity, and teamwork. Through careful planning, collaboration, and execution, we have created a platform designed to meet the diverse needs of SLIATE's stakeholders, including students, lecturers, and the broader community.

Drawing inspiration from established university websites like those of Colombo University and NSBM, we incorporated best practices to ensure the website is both functional and visually appealing. Features such as responsive design, user-friendly navigation, and interactive elements were integrated to enhance accessibility and user engagement.

This project has been a valuable learning experience, enabling us to apply theoretical knowledge in a practical context while developing critical skills such as problem-solving, time management, and effective communication. It also highlighted the importance of iterative improvement and feedback, which played a key role in refining the final product.

In conclusion, this project represents not only a significant contribution to SLIATE's digital presence but also a milestone in our academic and professional development. We are confident that this website will serve as a vital resource for SLIATE and its community while standing as a testament to our collective effort and dedication.