Minor Project

Batch B16

Project Presentation

CAMPUS CONNECTS

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AGENDA

- Introduction
- Objectives
- Literature Survey
- System Requirements
- Data Flow
- Code Snippets
- Snapshots of WebApp
- Django Project Structure
- System Design

INTRODUCTION

- **“Campus Connects”** is a Web Application that functions as an *Event Management System* which allows users to create, manage, and promote events of various departments and student clubs of NIE.

- This web application can be integrated into the college’s website as it would help the students and the teachers to know the details of various events being held in NIE.

- This Web Application will be designed to contain several features, namely, *User Accounts, Event Creation, Event Management, Event Promotion, Reviews, Ratings, and Analytics*.

OBJECTIVES

- Creation of an Event Management System for NIE.
- Minimize administration efforts.
- To ease the process of publishing upcoming events.
- Help the participants to register for the events.
- To ensure that no events are unnoticed by the students.
- Access detailed reports & analytics.

ABOUT THE PROJECT

- The college regularly hosts a plethora of informative and insightful webinars, interactive workshops, engaging conferences, and skill-enhancing training programs.

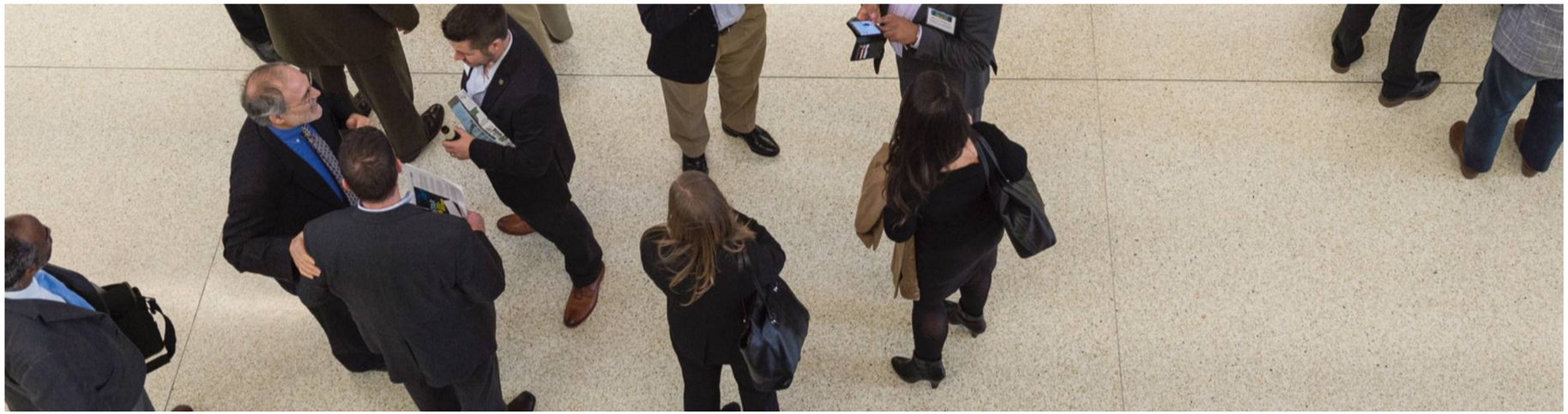
- Unfortunately, a significant number of individuals face considerable difficulty in staying updated on the latest happenings and events within the college, resulting in very low participation rates.

- This innovative project aims to resolve this issue by providing the students of NIE with unprecedented access to timely and comprehensive updates regarding every event organized by either the college or any of the student clubs.

- With the aid of this cutting-edge Web Application, interested participants can seamlessly register for these events and obtain all relevant information, including details, prerequisites, and more.

LITERATURE SURVEY

RIT Events/EMS System



The **Rochester Institute of Technology (RIT) Events EMS system** is the university's centralized easy-to-use room and event reservation portal. Faculty, staff, and students can search for available spaces for studying and recreation. Departments and recognized student organizations can also search for available spaces to hold meetings and events, submit catering and facilities management setup orders, request parking services and public safety support, and more.

On college and university campuses, events are happening all the time, whether student- or faculty-focused, and often through in-house or third parties and vendors. When these events take place, it is critical to use an event management system that offers full control and planning capabilities to ensure activities happen on time, in accommodating spaces and keeping in mind the safety of every attending. A comprehensive event solution will allow campus event planners to book large-scale events, communicate with service providers, and maintain a single source of record for repeatable, measurable events.

SYSTEM REQUIREMENTS

Software Requirements:

- Python 3.11
- Django 4.1
- VSCode

Hardware Requirements:

- Processor: 5th gen Intel Core i5 or Higher
- Memory: 4 GB RAM or Above

Technical Requirements:

- Frontend: HTML5, CSS3, Javascript, Bootstrap
- Backend: Django

EXISTING AND PROPOSED SYSTEM

Existing System: College Website (nie.ac.in)

The current college website has only the details of the events conducted by the college, it does not have a dedicated portal for separate departments as well as student clubs which is a necessity nowadays as people using college's website has grown in numbers.

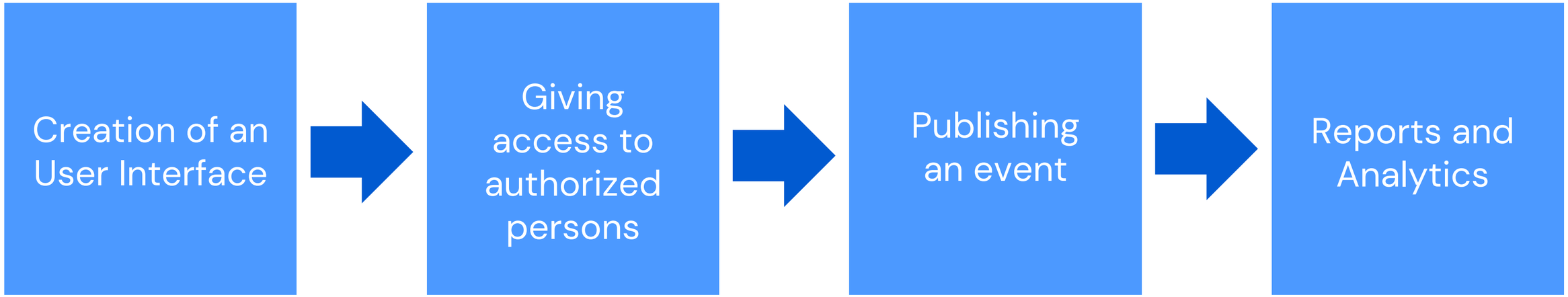
Proposed System: Campus Connects

The proposed Web Application aims to solve this issue by including various dedicated portals for different departments and numerous student clubs so that the necessary information regarding any event is conveyed to every student and the entire process is made streamlined.

SYSTEM DESIGN

- User Roles
- User Authentication and Authorization
- Event Creation and Management
- Event Registration
- Event Feedback and Ratings
- Event Reminders and Notifications
- Reporting and Analytics
- Integration with College Calendar
- Mobile-Friendly Interface
- Security and Data Privacy
- Scalability and Performance
- Deployment and Hosting

DATA FLOW

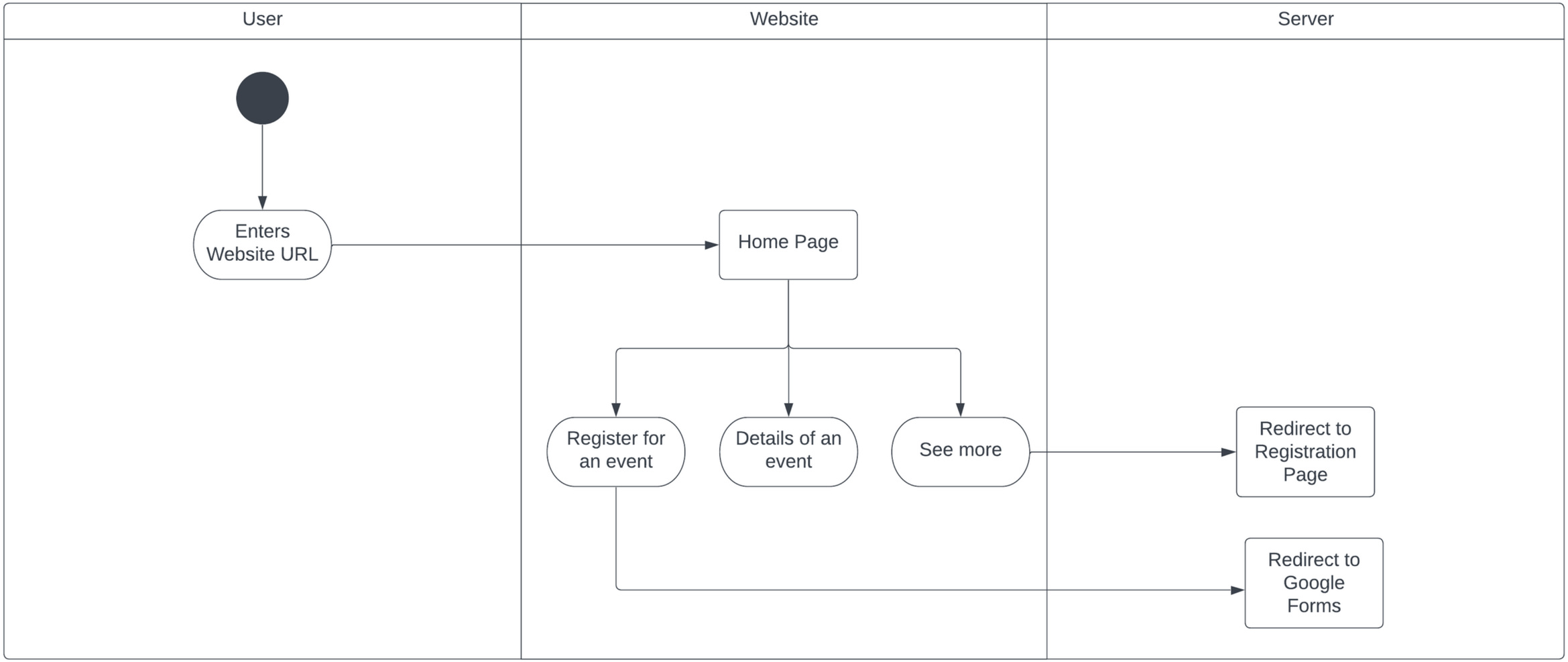

Creation of an User Interface
Giving access to authorized persons
Publishing an event
Reports and Analytics

FLOW DIAGRAM

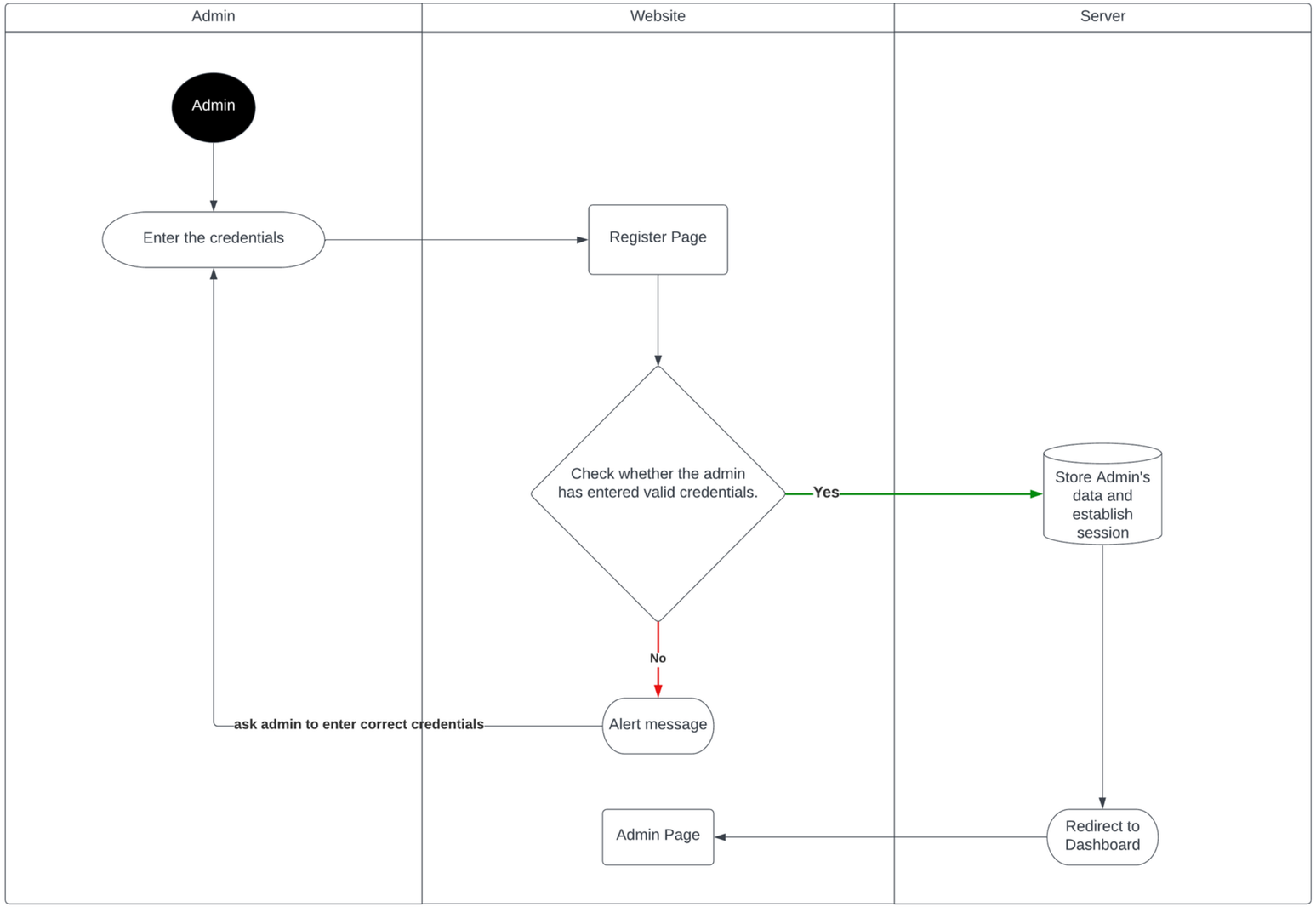
Admin →	Register **Admin Page** →	Post and Manage Events

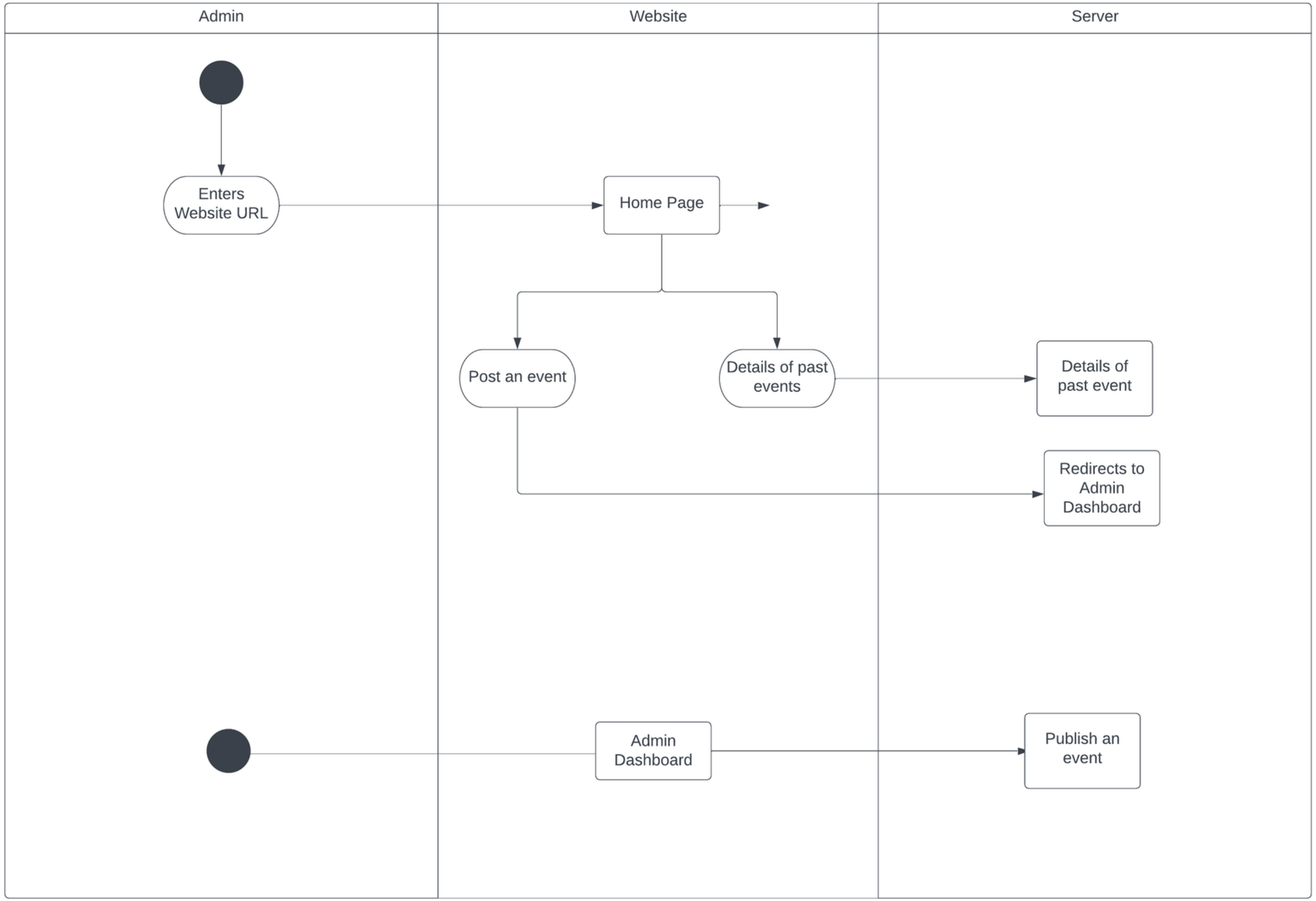
User →	Login **Home Page** →	• Register to events • Get info about any event

USE CASE DIAGRAM (USER)

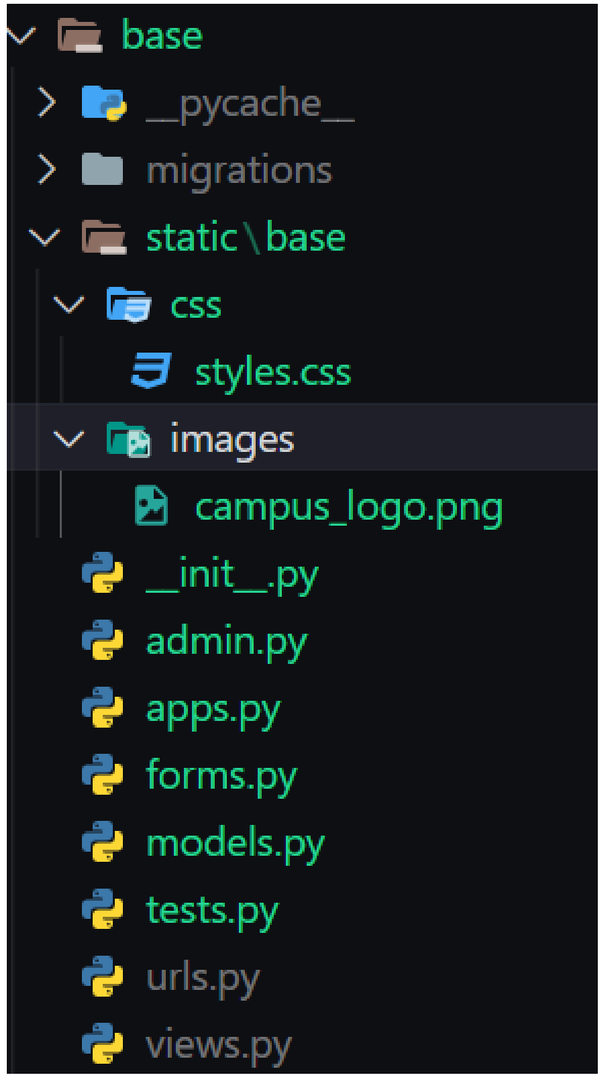


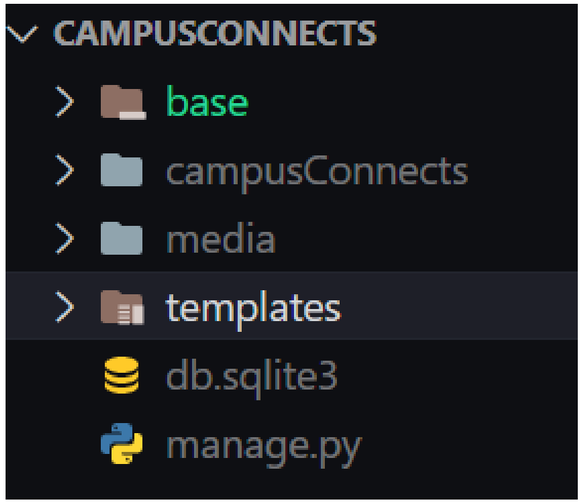
USE CASE DIAGRAM (ADMIN)

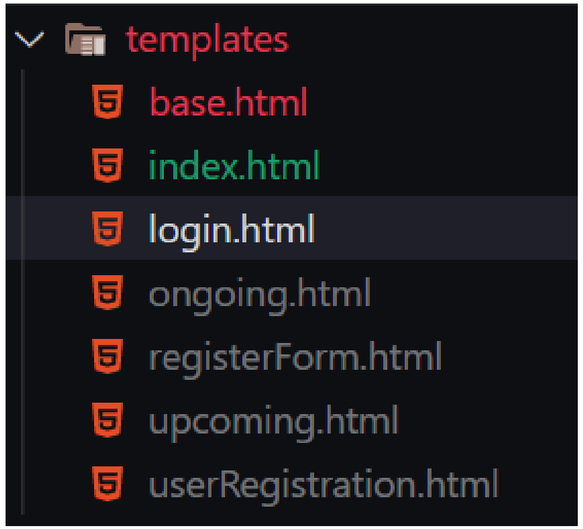


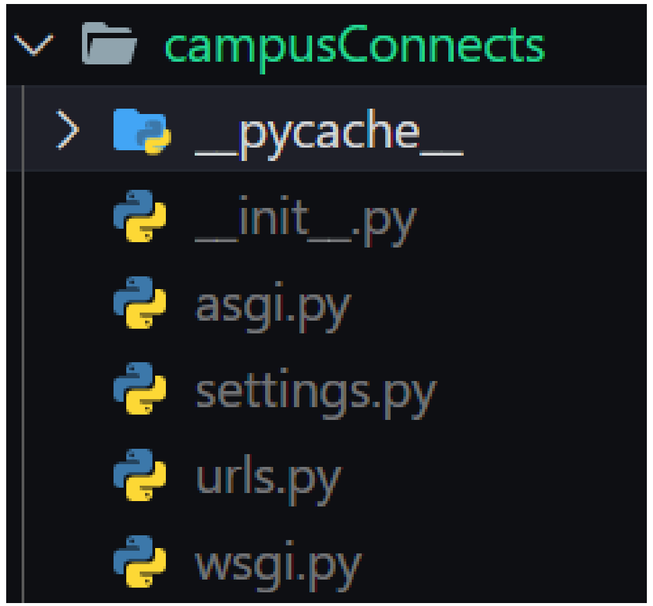

Admin
Website
Server
Enters Website URL
Home Page
Post an event
Details of past events
Details of past event
Redirects to Admin Dashboard
Admin Dashboard
Publish an event

DJANGO PROJECT STRUCTURE









FUTURE ENHANCEMENTS

- Can be integrated into the college's official website.
- Can be scaled up to handle events of North Campus.
- Different prototypes for every individual department.
- Adding features like Analytics and Feedbacks

THANK YOU!

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