UE20CS303 - Software Engineering
DESIGN DOCUMENT
PROJECT TITLE: EVENTRA

Team T01

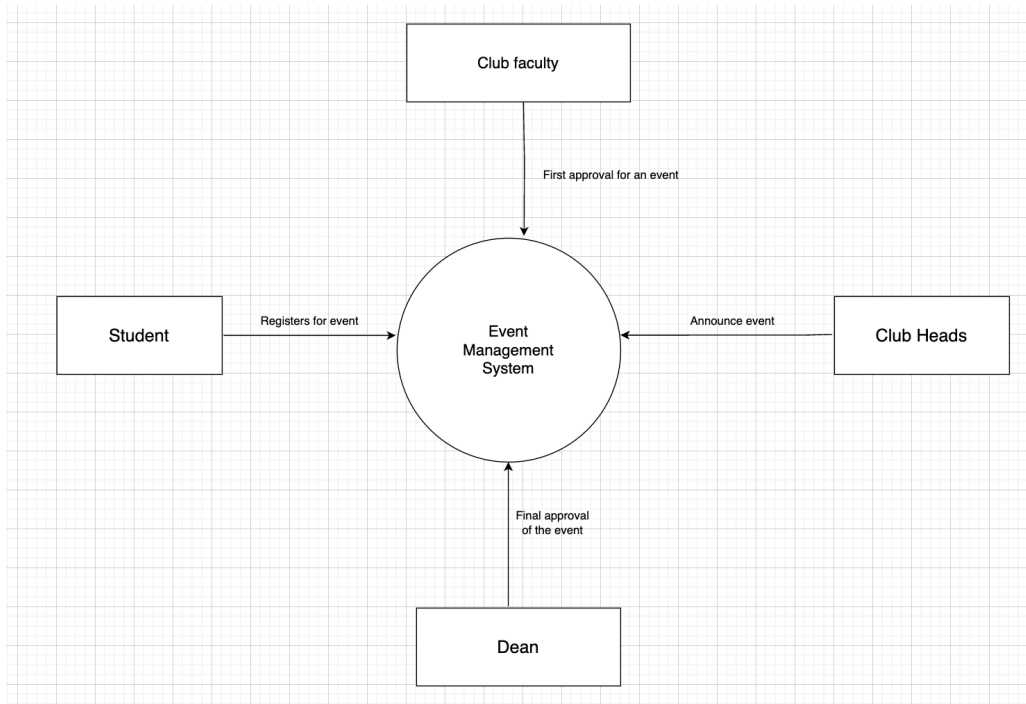| PES1UG21CS140	Bhuvan Vijay Kumar	PES1UG21CS169	Deeksha Krishnappa
PES1UG21CS149	Chandana S M	PES1UG21CS918	Dhiruram B

Design Diagrams

Diagrams of Levels of DFD

Level 0 DFD:

Level 1 DFD:

Club faculty

First approval for an event

Discuss upcoming events

Student

View upcoming events

Registers for event

Confirms registration

Event Management System

Announce event

Open registrations

Event Proposal & budget approval

Club Heads

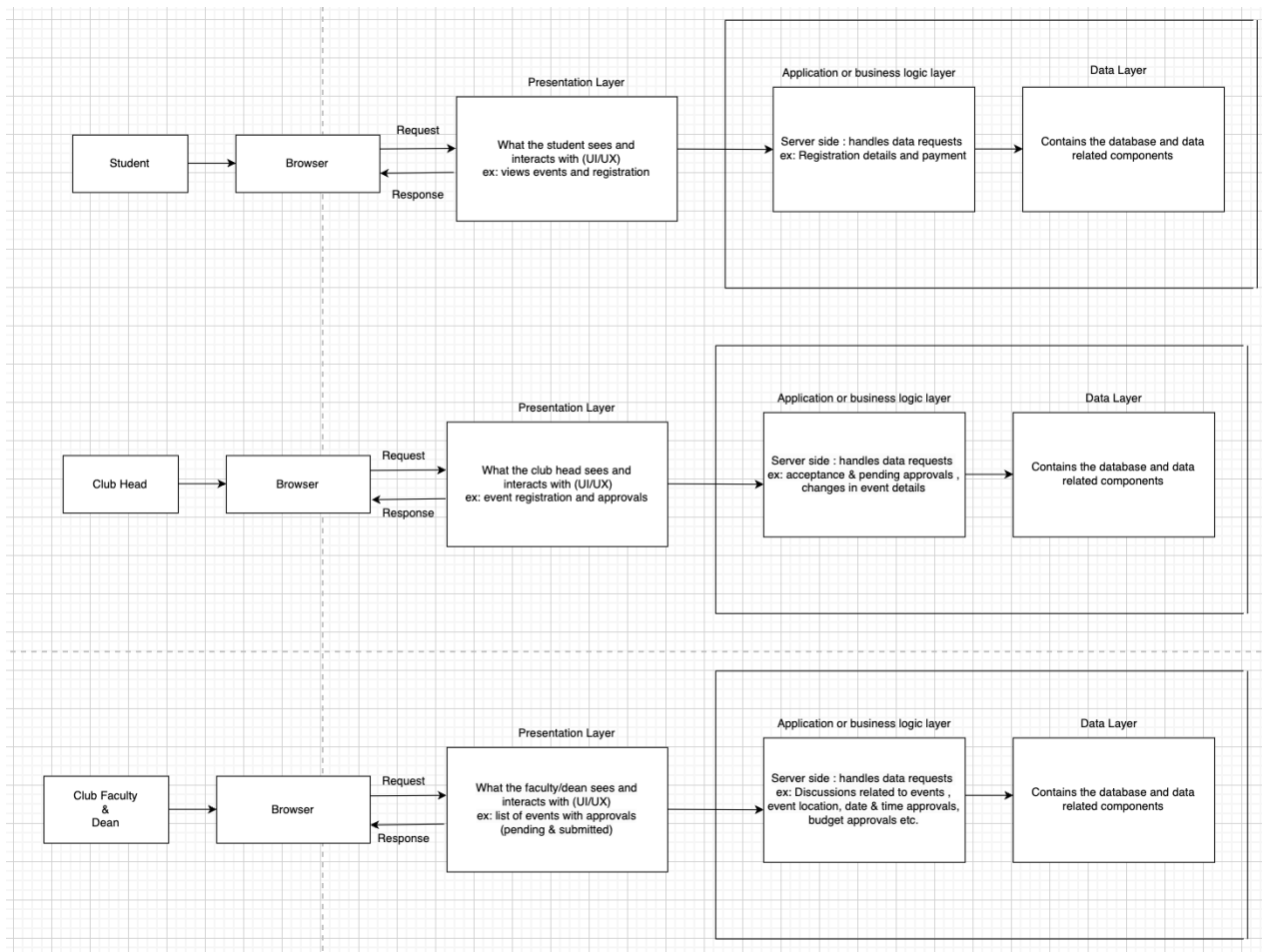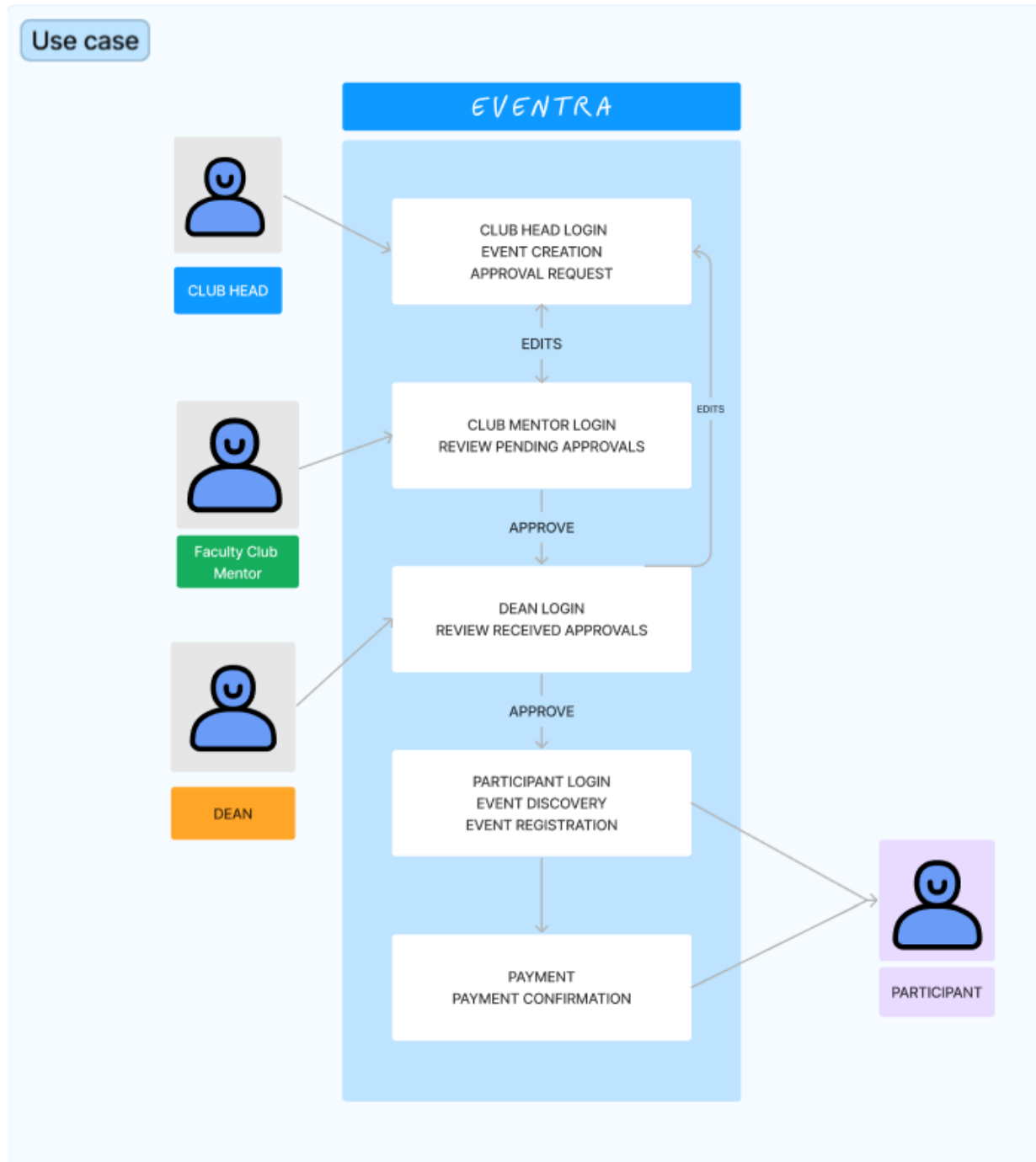Final approval of the event

Dean
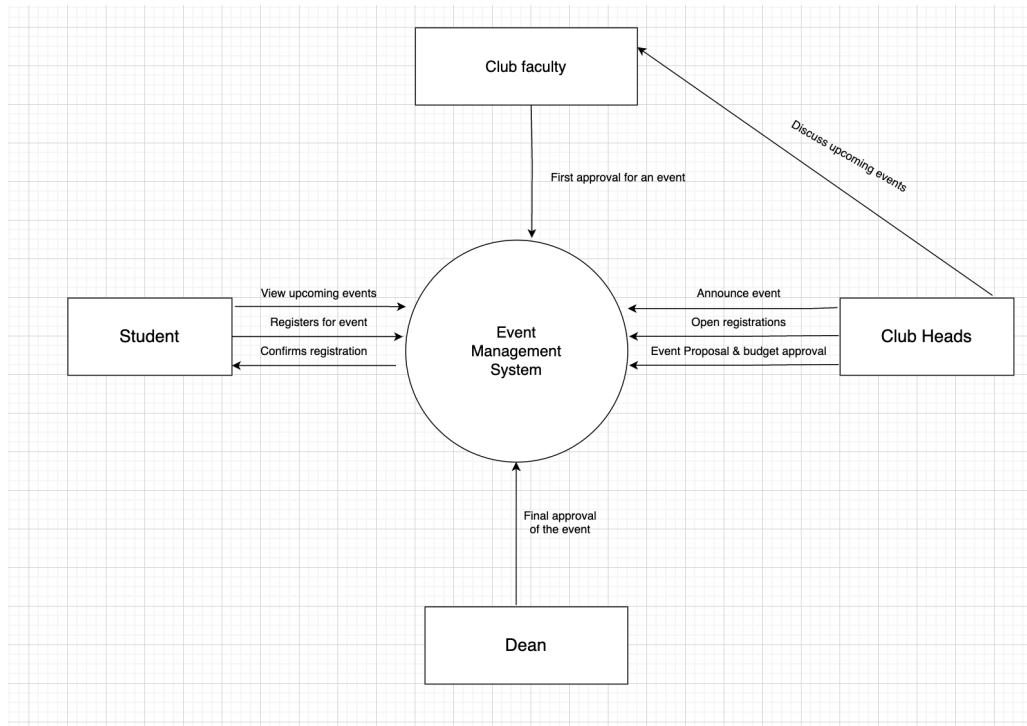
Architectural Design

A detailed breakdown of what happens at each layer of this architecture:

- The user interacts with the presentation layer. This is the front-end component responsible for rendering the user interface, using **ReactJS** in our case.

- The application layer (also called the business logic layer) handles application logic, business rules, and data access. It includes server runtime (**Node.js**) and web framework (**Express.js**).

- This is where data is stored and retrieved. Our project makes use of a NoSQL database (**MongoDB**).

UML

Use Case Diagram

Class Diagram

Club

Name

Club heads

Vertical

Description

Request event approval

Event scheduling

Register events

Event

Name

About

Date & Time

Venue

Type

Participant

Name

SRN

Phone No.

Email

Event Discovery

Event Registration

Payment & Confirmation

Hosts

Registers

Final Approval

Initial Approval
/
Make edits to proposal

Make edits to proposal

Dean

Name

Approval status

Phone No.

Approve event proposals

Suggest edits

Club Faculty

Name

Clubs incharge

Approval status

Phone No.

Approve event proposals

Suggest edits

Send for
Final Approval

EVENTRA