

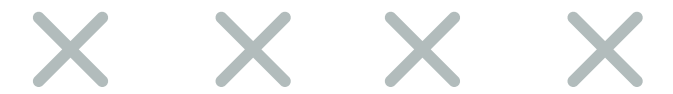
Team System322

IUTian Threads

Lab 2: Understanding and Modelling
Organizational Systems

CSE 4408: System Analysis & Design Lab
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TEAM MEMBERS



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Organizational Context

IUT Organization of Student Welfare(OSW)

Core Functions: OSW aims to support students' overall well-being by fostering a favorable academic environment within university.

Key Problem:

- Current System: Website with no practical value.
- No way for students to voice themselves *en masse*
- Participation in unregulated communities & unofficial Facebook groups leads to distraction-prone environment, undermining focus and credibility.

System Scope Definition



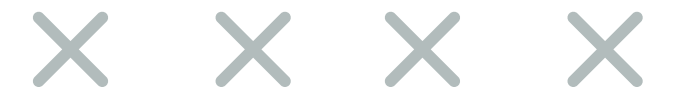
In-scope:

- User Authentication
- Forum based issue reporting
- Thread Management
- Post and comment system
- Voting mechanism
- Notifications
- Moderation tools
- Anonymous posting



Out-of-scope:

- Private Messaging (DMs)
- No Monetization/Ads
- AI-generated content



DFD, ER And Use Case Diagrams



Identifying Context Level DFD

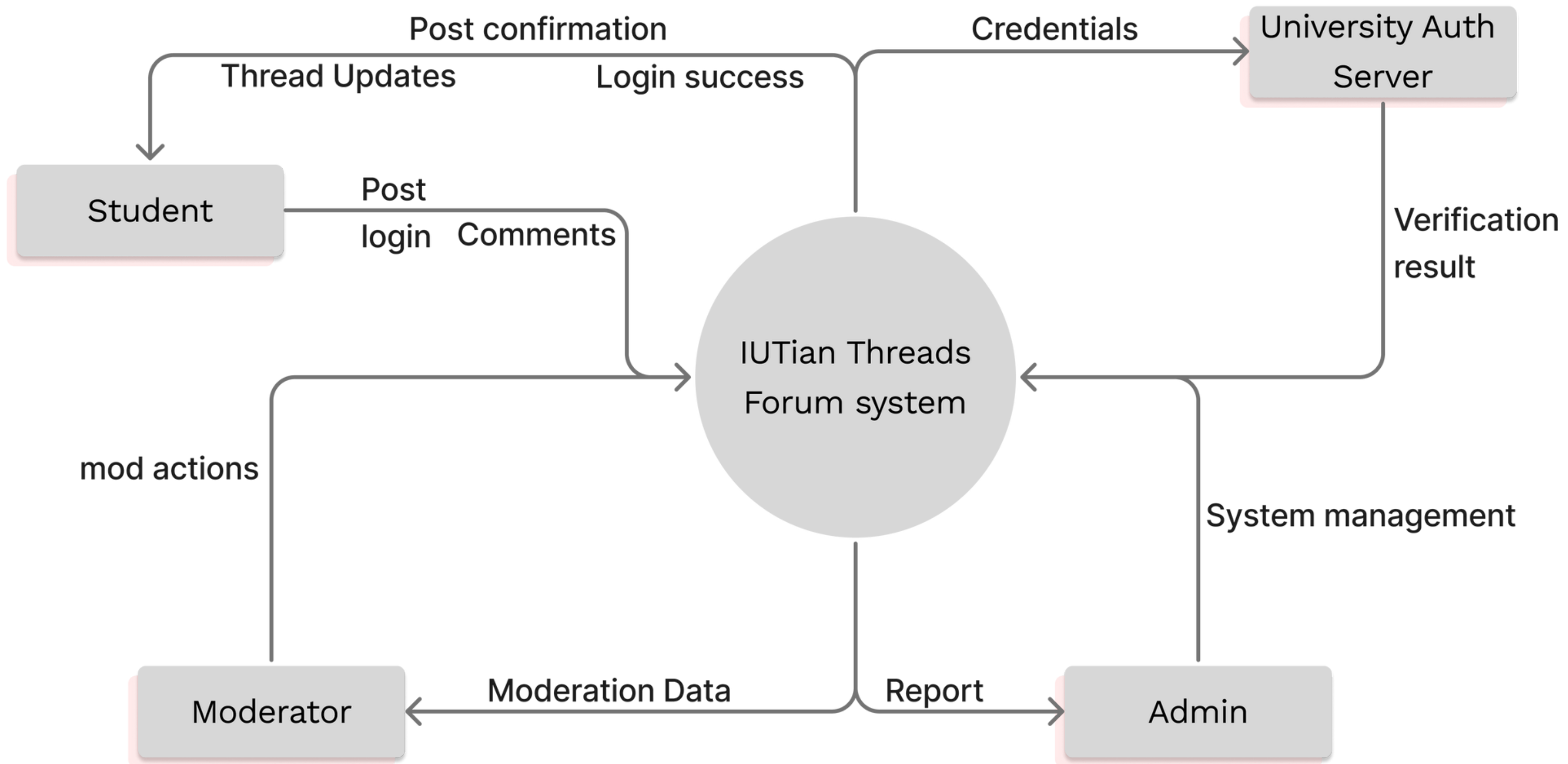
System process: IUTian Threads Forum System

Key External Entities: Students, Moderators, Admins, Authentication Server

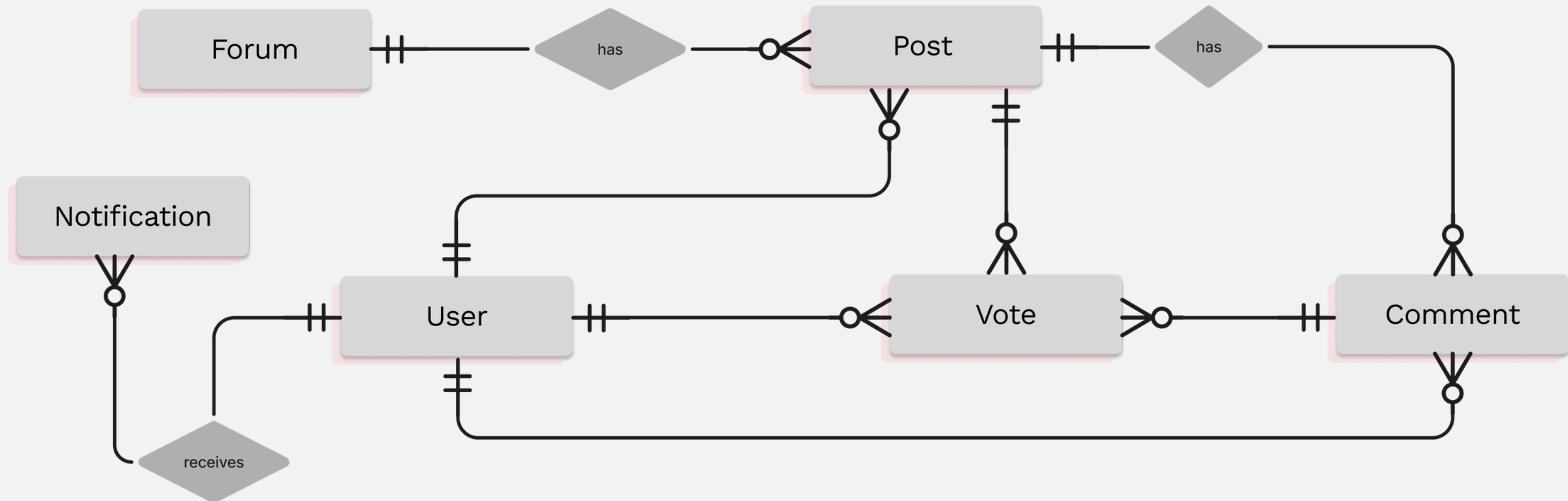
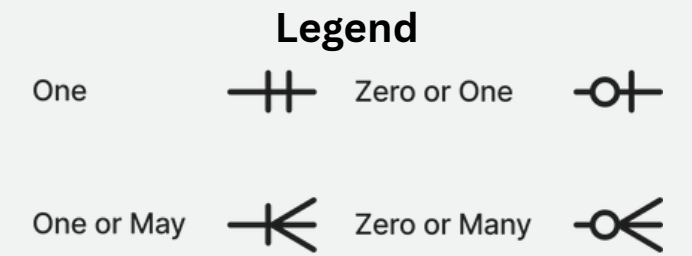
Key Data Flows:

- *Input:* Posts submission, Comments, Reactions
- *Output:* Post confirmation, Thread updates, Vote status, Announcement-Notifications

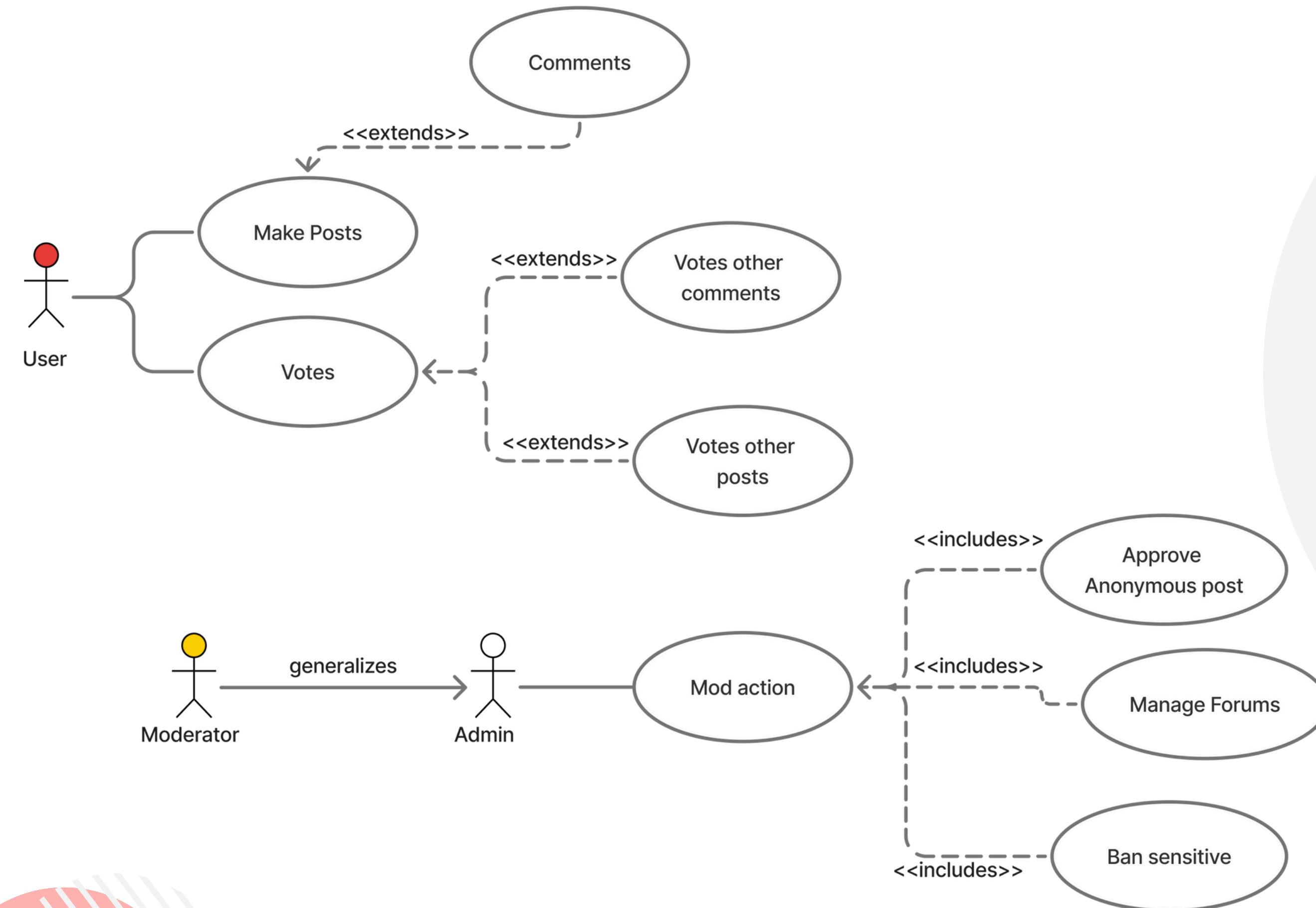
The Data Flow Diagram (DFD)



Preliminary E-R Diagram



High-Level Use Case Diagram





Organizational Management And Culture



Management Levels

Strategic Management:

- Review Long-term platform performance
- Approve major changes to forum structure or policy
- Address the Issues reported by students on the forums and posts

Managerial Planning and Control:

- Manage forum categories and roles
- Analyze and review activity reports to improve platform engagement
- Monitor moderator performance and content review statistics

Operational Control:

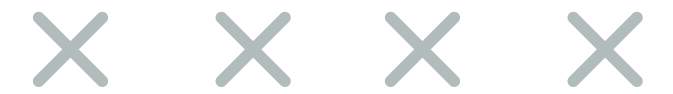
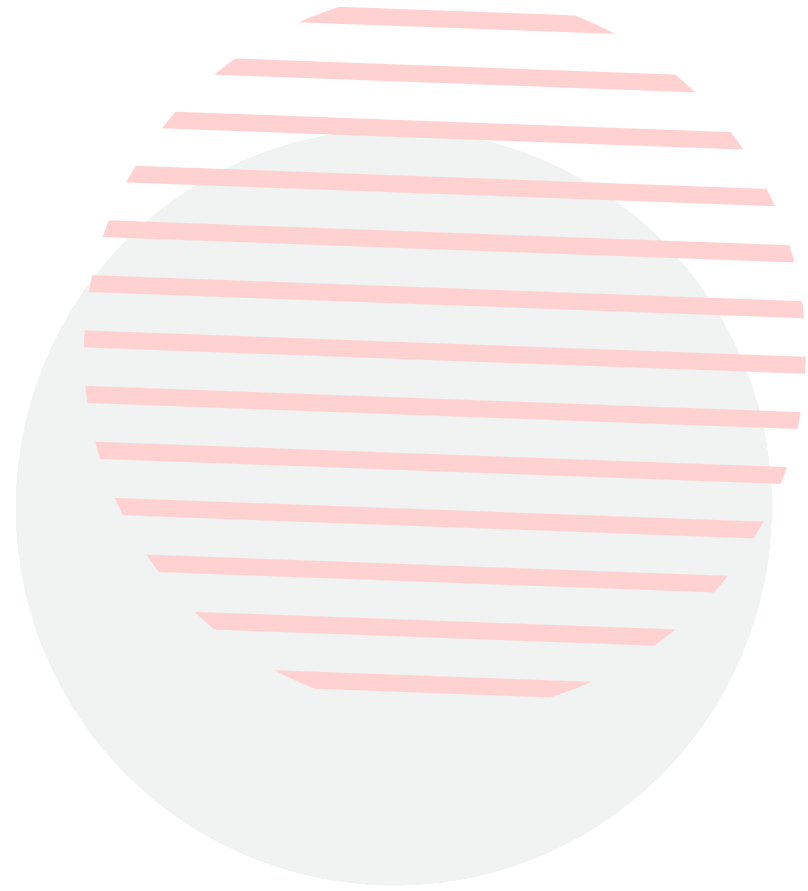
- Approve, flag or remove posts/comments on daily basis
- Respond to basic student concerns and platform queries
- Ensure discussions remain respectful and relevant to the thread

Organizational Culture

Open to Technological
change for continuous
improvement

Mixed but mostly
informal

Adaptive but habitual
reliance on existing
platforms



Thank you!

We are open for Q&A

