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CS5200 Fall 2025  
10/22/2026  
Course Database Project Proposal

**Description:**

For my project I would like to design a database for a potluck event scheduling app. The broad idea here is to design a web application where a user can create an account, create potluck events, invite friends (who also use the app), and see RSVP's with the dishes that the guests plan to bring. Additionally, an event host will have the ability to send announcements to guests who are invited to a specific event. Each event will have a 'wall' where guests can post their own messages, displayed to all other guests and the host. There will also be the ability to comment on a post. Hosts can also delete events, edit events, or delete their account.

**Storage:**

The database will be a relational database using SQL storage.

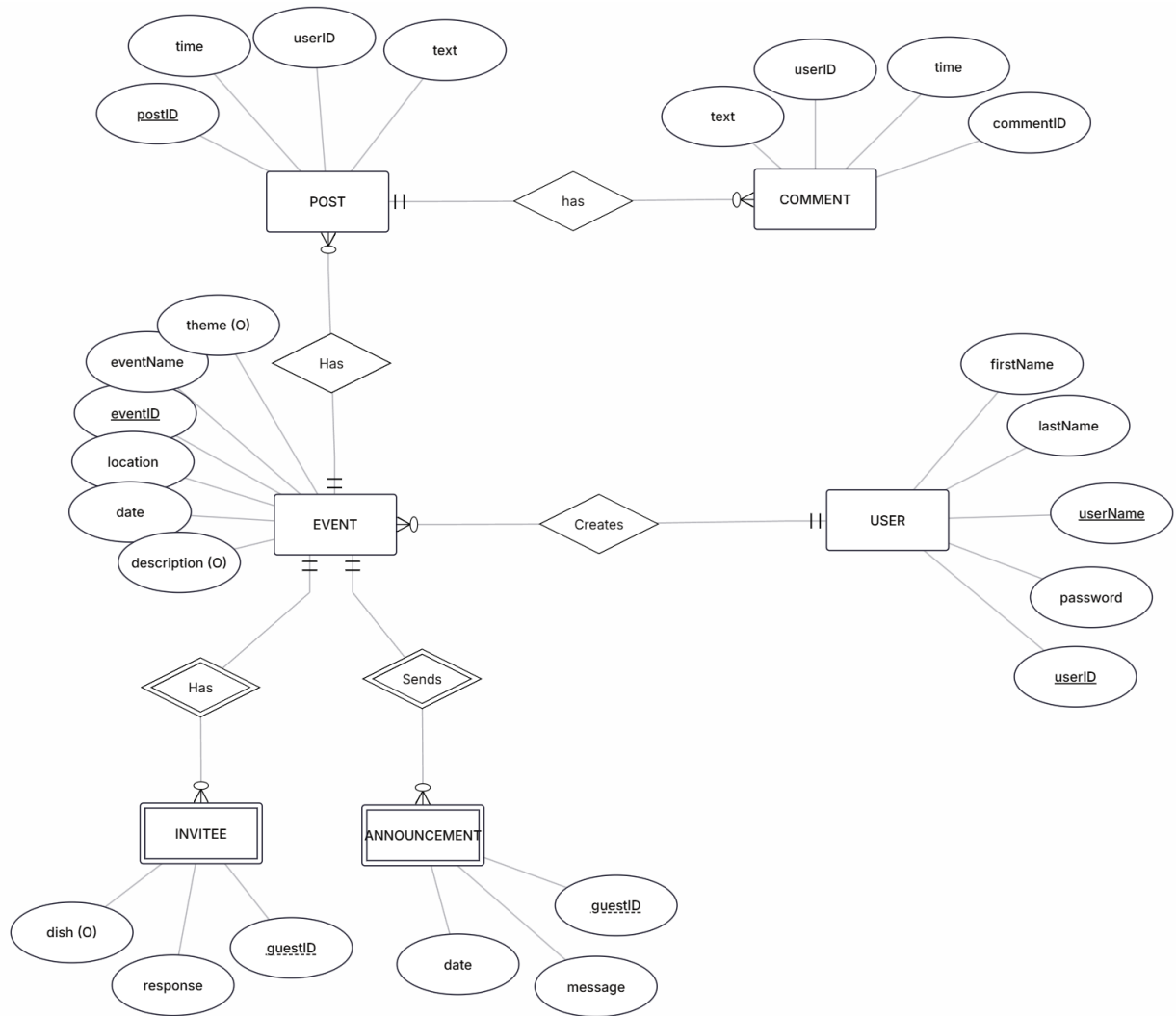
**Software:**

For the database, I will use PostgreSQL and DBeaver. My longterm goal will be to have a fully functional web application. For this, I plan to use HTML, CSS, and Javascript on the front end and Node.js/Express.js for the backend server to connect with the database. There may also be a more paired down version that implements some functionality in Python as a starting place.

**Interest:**

This project interests me on a personal level because I deeply value community, and the wholesome way that potlucks often help to build a sense of friendship and connection among people. I regularly host potlucks at my apartment and have been an avid potluck goer for many years in different places that I have lived in. I'm inspired by the way in which technology can be used to bring people together physically with greater ease and organization than would otherwise be possible. With this web app, I hope to improve the ability of a potluck host to coordinate food and guests to eliminate redundant dishes and ensure there is enough food/room for everyone.

## ER Diagram:



## User Interaction Guide:

1. Create account (by entering unique userName and password).
2. Create a potluck event.
  - Define eventName, date, location, description, guests, etc.
  - Send any necessary announcements.
3. View upcoming events, invited-to events, and past events.
4. Cancel events, RSVP to events (with what dish you plan to bring).

5. Log out.