Meeting Notes 3.1 for Project Part 3 - Conceptual Modeling (Virtual)

Attendees: Jay Patel, Tej Gumaste, Kaleb Howard, Andrew Reyes, Shayaan Mohammad, James Hanselman
Time: 6:00 PM - 7:00 PM
Date: 13th March 2025
Location: Google Meet

Objective:

- Refresh what was discussed in the last meeting.
- Begin defining the main entities, attributes, and relationships, including numeric notations.
- Build an initial skeleton of the ER model and divide tasks for project documentation and design implementation.

Task Completion Confirmation from Last Meeting:

All assigned tasks from the previous meeting were completed successfully:

- **Jay:** Prepared meeting notes and created the Project Part 3 document for team edits.
- **Tej:** Shared details on the selected tool and provided a meeting summary.
- **Andrew & Kaleb:** Researched alternative resources for ER model development.
- **Shayaan & James:** Reviewed notes from the previous meeting and followed up with teammates for clarifications.

Brainstorming Session:

We began by reviewing and confirming the finalized entities to ensure accuracy in our conceptual model. Once verified, Tej shared his screen and started creating an initial skeletal structure for our ER model. Since having multiple people editing the diagram simultaneously was inefficient, Tej took the lead in drafting the model while the rest of the team contributed by discussing entity relationships, flow, and necessary adjustments so that Tej can make those edits as we move forward.

During this process, we encountered some challenges:

- Some members wanted to meticulously refine relationships early on, while others preferred to create a broad structure first and fine-tune details later.

- This led to discussions and differing viewpoints, but ultimately, Jay proposed dividing the ER model into sections so team members could work on the parts they felt most comfortable with. Once individual sections were completed, the team would reconvene on Saturday to finalize relationships and notations.
- Tej agreed but emphasized the importance of having at least a basic overall model before proceeding with detailed work.
- The team reached a consensus, and a foundational model was created, mainly outlining entities and key relationships, such as **User → Transactions → (Books, Articles, Technology)** to provide guidance for further development.

Kaleb volunteered to refine the initial model by adding more depth, which would serve as a foundation for teammates to build upon. Once this structure was in place, team members chose specific entities to work on.

The meeting concluded with a summary of next steps and deadlines. All members agreed to complete their respective tasks by **Saturday, 11:59 PM**, except for James, who had another project and planned to complete his portion by **Sunday at 10:00 AM**.

Tasks Allocated:

- **Jay:** Complete meeting notes for this session (3.1) and work on subsection (b) of the project document with **Shayaan** so that teammates can consider . Assist with ER modeling if needed.
- **Kaleb:** Finalize the in-depth overall ER model structure by **Saturday afternoon**. Focus on the **Article** entity if needed afterward.
- **Andrew:** Continue from Kaleb's work, primarily focusing on the **User** entity and its relationships.
- **James:** Work on the **Books** entity and define its attributes and relationships with **Users** and **Transactions**. Target completion by **Sunday morning**.
- **Shayaan:** Collaborate with **Jay** on project subsection (b). Focus on the **Technology** entity and its relationship with **Transactions**.
- **Tej:** Ensure overall structural integrity and accuracy of notations (e.g., deciding if **User → Transaction** should be **1:N** or **M:N**). Verify entity relationships and eliminate unnecessary or redundant connections. Conduct final checks before submission.

Follow-up Actions:

- All members must complete their tasks by **Saturday night**.
- **Final review and fact-checking to begin by Sunday at 12:00 PM.**