{Study Buddy}

A Caitlin Ard, Elena Davidson, Angela Kearns, and Ryan Adams Production!

2. Project Overview:

Facebook, linkedin, and other networking sites use algorithms to aggregate factors and make educated guesses and suggest users to befriend others on the network. Simultaneously the rise of social has brought about the proliferation of dozens of undesirable consequences, including scams, and fake news. Users have become weary about connecting with individuals that they do not know.

Enter Study Buddy. Study Buddy seeks to recreate the professional college atmosphere that was commonplace prior to social media, by providing a medium (Study Buddy App) for individuals to connect and meetup on college campuses for the purpose of studying.

3. Architectural Drivers

- ★ Users need to be able to interact via an APP, but not directly
- ★ User needs to have a good experience, i.e not be burdened with technical nonsense , and needs to be able to achieve end goal.
- ★ The application needs a source of long term memory, to remember users, and groups
- ★ The App needs a way to make sense of requests from users, and to fulfill these requests.
- ★ The App needs to be able to enforce certain requirements concerning the data it ingests.
- ★ The App needs to be flexible, allowing for user changes.
- ★ The App needs to be extensible, allowing modules to be able to integrated over time.
- ★ The App needs to be able to fulfill requests in a reasonable time as enumerated in the initial requirements doc.

4. Architectural Style Choices (Present 2 Candidates && State Choice)

Candidate 1: Client Server

- Allows user to interact with data in a controlled manner, and does not give access to all data
- long term data storage

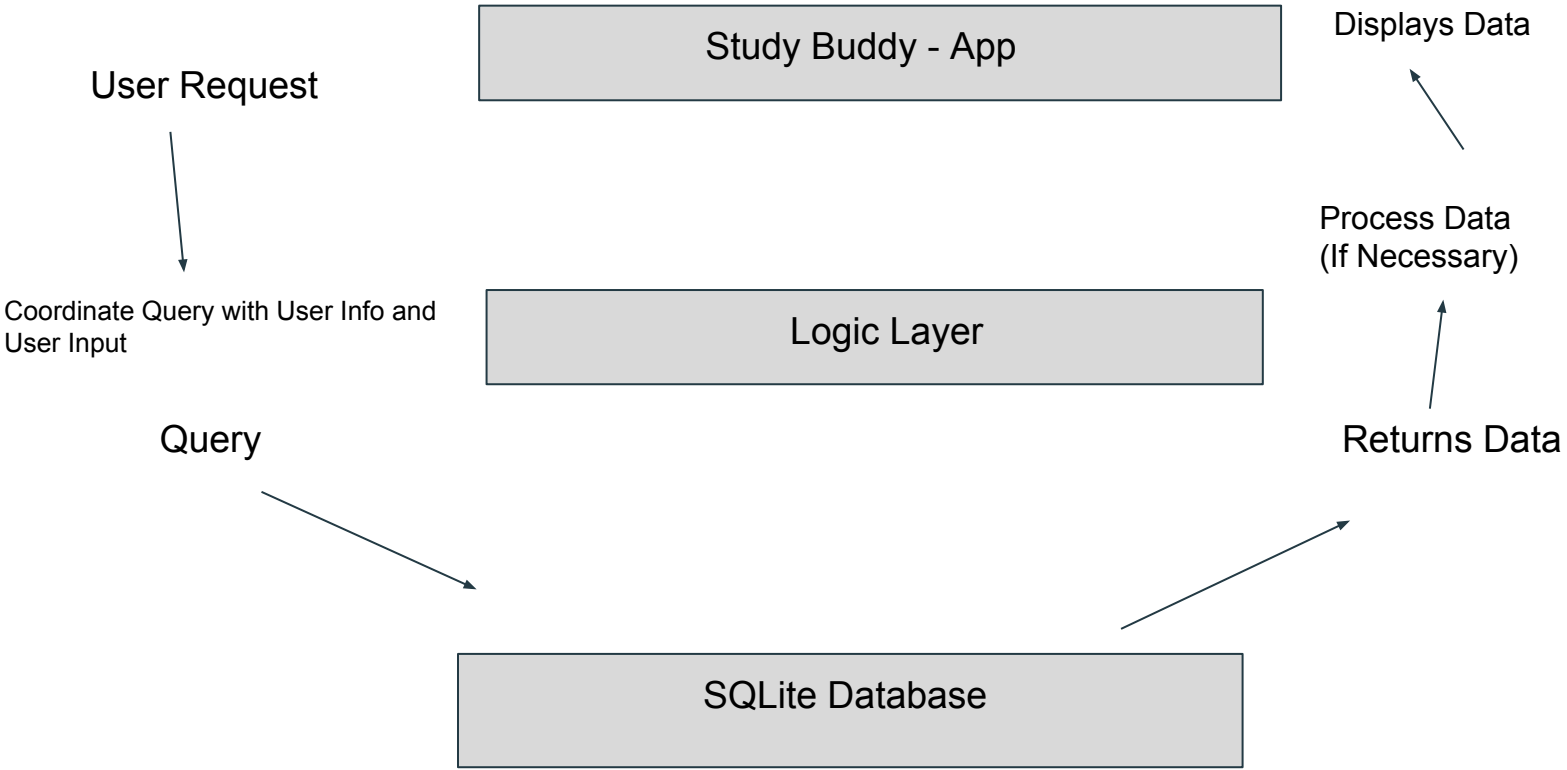
Candidate 2: N-Tier (3-Tier)

- Separates into Presentation, Logic, and Data Tier
- Greater control for logic necessary in the app
- Long term data storage

Choice: N-Tier (3-Tier)

- All the benefits of client Server
- More control over logic and what we chose

5. Architecture Slide, with short description.



6. Conclusion

Architectural Style - (N-Tier) / (3-Tier System)

Issues / Risks / Questions:

- Implementation of logic Tier
- Could be a complex implementation
- Hosting of Server
- Server / Logic / App integration and compatibility

Any Questions for us?

BACKUP SLIDES

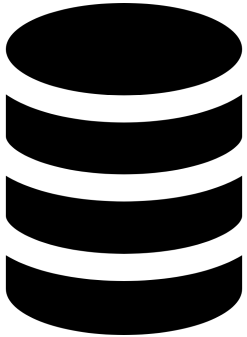
Basic Study Budy Model: Database Side

User Profile:
- UserID :
- Email
- First Name
- Last Name
- Password
- University
- Major

Dept:
- DeptName:
- Dept Desc
- Course ID
- Course Desc
- University

Courses
- Course ID:
- Course Desc
- Year
- Semester

Rating
- UserID:
- TimeStamp
- Rating



Notifications:
- UserID:
- Message -Blob

Group:
- GroupID:
- UserID
- User Name

Study Buddy UML