

Project Title: FriendNudge

Names: Brad, Brady, Liam Keyek, Quinn

Date: August 8, 2024

Class: CSPB 3308

Instructor: Professor Nath

Agenda

- Vision
- Tools
- Challenges
- Demonstration



Vision

- FriendNudge is your personal assistant for maintaining and building lifelong friendships.
- Our app helps you keep track of when you last called your friends and nudges you when it's time to catch up again.
- In our busy lives, it's easy to lose track of the last time we connected with our friends.
- We're working on FriendNudge to make it easier to maintain those important relationships.



Tools: Collaboration + Logistics

- GitHub: Gave us a centralized platform for version control, enabling collaborative coding and code review
- VS Code: We chose this IDE because it supports multiple programming languages and integrates with GitHub very easily
- Trello: This project management tool was the most intuitive for organizing tasks and tracking project progress
- Teams: We ended up on this platform for video conferencing and screen sharing for remote pair programming and planning sessions



Tools: Languages + Frameworks

Languages:

- Python: Main backend language
- HTML: For templating and structure
- CSS: For styling
- JavaScript: For client-side interactivity

Frameworks:

- Flask: Python web framework for backend development



Tools: Database + Libraries + Unit Testing

Libraries:

- datetime: Python library for date and time manipulation
- calendar: Python library for calendar-related functions
- sqlite3: Python library for SQLite database operations

Unit Testing Framework:

- unittest: Python's built-in unit testing framework

Database:

- SQLite: Lightweight, file-based relational database



Challenges

- Time Management: Balancing project work with demanding class schedules and other commitments
- Learning Curve: Underestimating the complexity of implementing features like databases, user systems, and unit tests during initial planning stages
- New Technologies: First-time exposure to SQL, JavaScript, and HTML for many team members, requiring additional learning time
- Deployment Challenges: Navigating the intricacies of deploying a Flask application, which proved more complex than anticipated
- Scope Adjustment: Realizing the need to adapt project scope as the team gained a deeper understanding of the technologies involved



Demonstration!

Thank you!