

COSC 340 - Group Project

- Groups of 3-5
- Must use Go, Python, or JavaScript unless otherwise approved
- Must include a GUI
- Must run on Windows, Linux, or Mac
- No games or phone apps
- All work will be in GitHub
- Project will be implemented over a series of 2-week sprints
- Additional tasks will be added throughout the semester (e.g., unit tests, user stories, code documentation, etc.)

Examples:

Share Photo Albums

- Web app that allows a user to upload photos, organize them into albums, and share the albums
- Uploading multiple photos should be easy and efficient
- Albums should look good on various screen sizes (e.g., mobile and desktop)
- Requires user authentication for at least the uploader

Asynchronous Chat

- Web app that allows a user to create a chatroom and invite a small group of people
- Chat should be designed to be asynchronous
- Users can be part of multiple chat rooms
- See the app Slack for inspiration (many users complain that it implicitly forces them to be synchronous)

Desktop File Explorer

- Desktop application that allows a user to navigate and manipulate their filesystem
- Should provide benefits over Windows Explorer and Mac's Finder
- Error handling is important (e.g., if a file is deleted from another app, it should not cause this program to crash if the user tries to manipulate that now deleted file)

Productivity Analytics

- Measure "productivity" based on keyboard and mouse activity
- Provide analytics/visualizations about when a user is productive and how they spend their time (applications)
- Do not implement a keylogger! Do not record specific keystrokes, only metadata