Term Project Ideas

Joshua Evans | CS 276 | Due 2024-04-21

# Idea 1

For a few years now I’ve wanted to create an application that would help somebody watch “World War 2 In Real Time ([YouTube Link](https://www.youtube.com/@WorldWarTwo))” in real time. That is, rather than bingeing the entire 800+ video series, my application will allow a user to sign up with their email and then receive periodic notifications letting them know what video to watch or post to read. The project would mostly be powered by the backend database, which would need to track and categorize *all* the resources associated with the project, then securely store user email and configuration data. A few potential non-normalized tables would be:

* `Videos` - All the videos being shared. Can likely be broken into multiple tables once they are normalized.
* `Posts`- All the text posts being shared, again, more tables are likely to be generated during normalization from this one
* `Users` - All the users of the application
* `Schedules`- Different possible schedules people can receive notification on
* `Series` - The different series that a user can subscribe to
* `Log` - Log of user interactions with the app for audit purposes
* `Blocklist` - Simple list of user emails that have semi-permanently disabled the app (in case somebody tries maliciously signing up somebody else)

# Idea 2

See “Idea 1”. I know we are supposed to have multiple ideas but I really, really, really want to do this one 😊 I’ll think of something else if, after more detailed examination, you think this project would not be appropriate for this assignment.