Study Aid Design Doc

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Pomodoro Timer w/ Notepad and Habit tracker.

- Pomodoro Timer lets you click to start a 25-50 minute timer, and schedules a 5-10 minute break afterwards.

- During the 25-50 minute timer, user will be able to take notes on whatever they're working on, what I call a Work Journal.

- During the break, user will be able to review work journal and/or add to a habit tracker, which has a character limit for each entry, and is held separate from the Work Journal notes.

- Optional: During the 25-50 minute timer, the app will display a 10-15 minute update (15 minutes left), which is optional.

- This is meant to be a learning / professional aid and accessibility tool.

Tech stack

- HTML, CSS, JS, Node.js[, React.js, Electron]

- Originally conceptualized as a desktop app, but will keep the scope to a webpage for the sake of finishing the project in time

Model:

- **Design your object structure. It will be used to generate your database schema and service responses**

  - Timer object

    - Study period: 25 mins

    - Study period 2: 50 mins

    - Short break: 5 mins

    - Longer break: 10 mins

- 2 minute starter: 2 mins
- Notes bank
  - 240 character limit
  - Unlimited amount of notes in the time period
  - Key: Pomodoro type (study period length)
- Habit tracker
  - Short character limit (1 line describing what happened in the study period)
  - Able to log Unlimited 'habits'
  - Date and time of session

Service Contract:

- **Plan out what endpoints your server will have. This should include the path, parameters, body, etc for each endpoint.**
  - It may be necessary to have a new request for the start of every new block, or even pausing and resuming a block.
    - In which case, all routes will likely redirect to the / route (the homepage and only page).
    - Maybe this wouldn't be necessary if it used React.js.

External Services:

- **List out the APIs you will use and what you are using each for**
  - JavaScript Date/Time API
    - Used to timestamp habit trackers and notes.