This document is meant to help with the transition of the **Onboarding Checklist**!

The ‘Onboarding Checklist’ project is a web app that allows team leads to create and share checklists to help new employees onboard. The web app allows admin members to create task items that could have subtasks, links, and/or descriptions; and these lists can be shared using each list’s unique 6-digit code.

The application was created using React.js for the frontend and Python Flask for the backend. Here are the commands required to run it locally, I recommend using the VScode terminals:

Terminal 1

cd onboarding-checklist

npm start

Terminal 2:

cd backend

python -m flask run

**Frequent errors when running the application:**

* npm ERR! Missing script: "start"
  + Means you are not in the correct folder, make sure when you run ‘npm start’ that you are in the ‘onboarding-checklist’ folder and not ‘OnboardingChecklist’
* ‘flask : the term ‘flask is not recognized…”

A screen shot of a computer

Description automatically generated with low confidence

* + Could either mean that you have not installed the regular imports, or there is an issue. Either way, mitigate it using the command “python -m flask run”, which will work and let you know if there are any un-installed imports.

**Frequent errors in browser**

Inspect the browser, and navigate to ‘Console’ to read browser errors.

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* CORS Error / ‘Failed to Fetch’
  + Example:

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Description automatically generated with medium confidence

* + Usually this means that there is a problem with the backend, so first **check the terminal where you are running the flask server.**
  + Check that you’ve installed all of the necessary imports in your terminal, and that your flask server is running.
  + The problem is 99% of the time unrelated to CORS, so check the most recent error in the terminal, it could be an issue with what is being returned with fetch.
* SQLAlchemy Error
  + If you’ve added new aspects/models to models.py, a migration is needed for the database in order for it to work, otherwise you will get an error message like “xyz has no attribute abc”
  + You can migrate the database using the following commands:
    - Python -m flask db stamp head
    - Python -m flask db migrate
    - Python -m flask db upgrade
      * There is a possibility that there will be an error in this step if you are removing foreign keys.
      * Go to migration -> Versions and identify the .py file that has been created for this migration. This can be identified by the ‘Create Date’ field at the top of each file.
      * Comment out any command that has ‘None’ in it. Example:
        + #batch\_op.drop\_constraint(None, type\_=’foreignkey’).
      * Here’s a stack overflow that is similar to the one I used to fix this error: [python - Flask-Migrate creating foreign key with None for no apparent reason - Stack Overflow](https://stackoverflow.com/questions/63732400/flask-migrate-creating-foreign-key-with-none-for-no-apparent-reason)
      * Once you’ve changed this file, DO NOT DO THE FIRST COMMAND AGAIN. Just do migrate -> upgrade.
* Unable to login/No response
  + Check the console.
  + If it is a CORS or fetch error, then check your flask terminal. This is where the issue will most likely be + more context of what the error is.