Helper app design

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# Overview

The server keeps a list of active sessions and tasks active in each session. The app and the UI are clients. They communicate with the server by querying it for information, downloading resources, and uploading data. Since the server cannot initiate communication with a client, each client keeps up to date with the state of its task by polling the server at regular intervals.

# Resampled file upload

The UI client is capable of adding folders to upload files from and displaying upload progress. When the UI adds a folder, the server updates its state. The next time the app polls for state it changes, it recognizes that a folder has been added and downloads the updated list. The app then proceeds to upload image files from this folder to the server.

Once again, once a file is uploaded, the server updates its state. When the UI polls for changes, it recognizes the change and downloads the updated file list.

