

Config for the 'worker'. More on the worker later!

Where we will do 99% of our work.

Contains everything for processing pdfs,
embeddings, text gen, etc

Server code. Functions to handle requests, database access, etc

All the HTML, Javascript, styling that shows up in the browser

Sets environment variables, just as before

Defines some shortcut commands to run the server (like "inv dev")



Again, this course is about LangChain, not web dev!

We are going to touch on many web dev topics, but not focus on tiny things like request handlers

app.chat

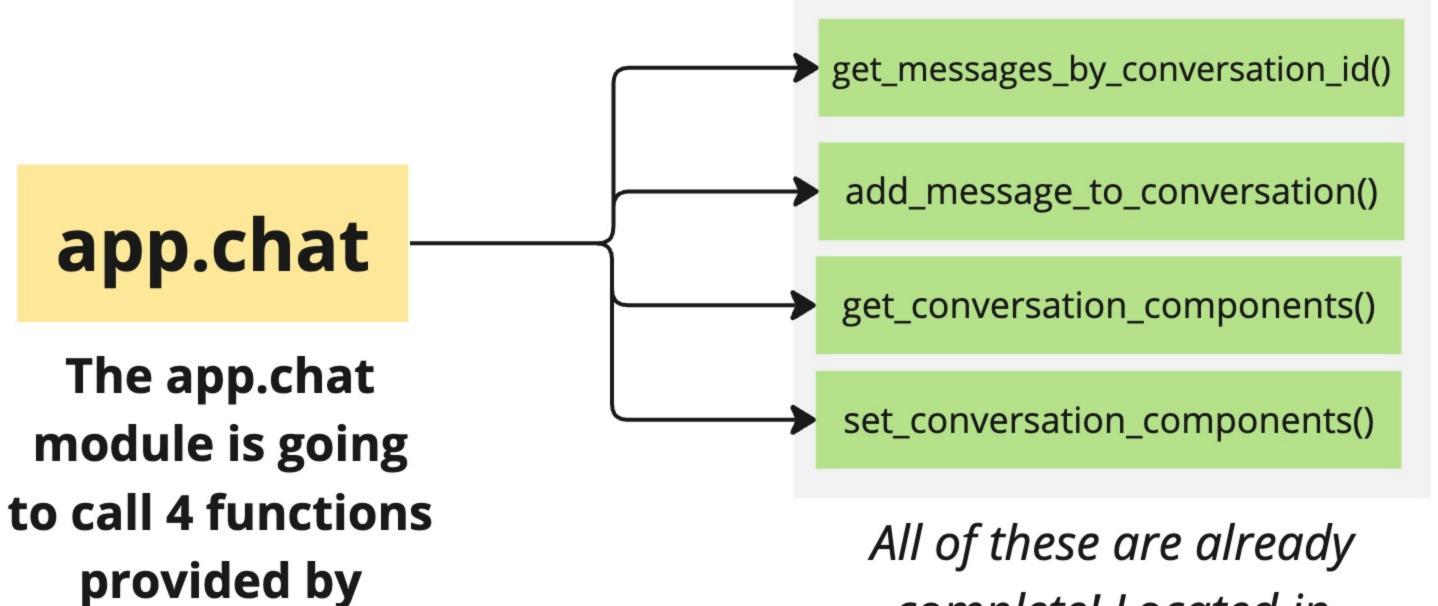
We need to build this module

app.web

This module is mostly complete. Contains mostly web-dev stuff

I don't want you to have to worry about this module too much!

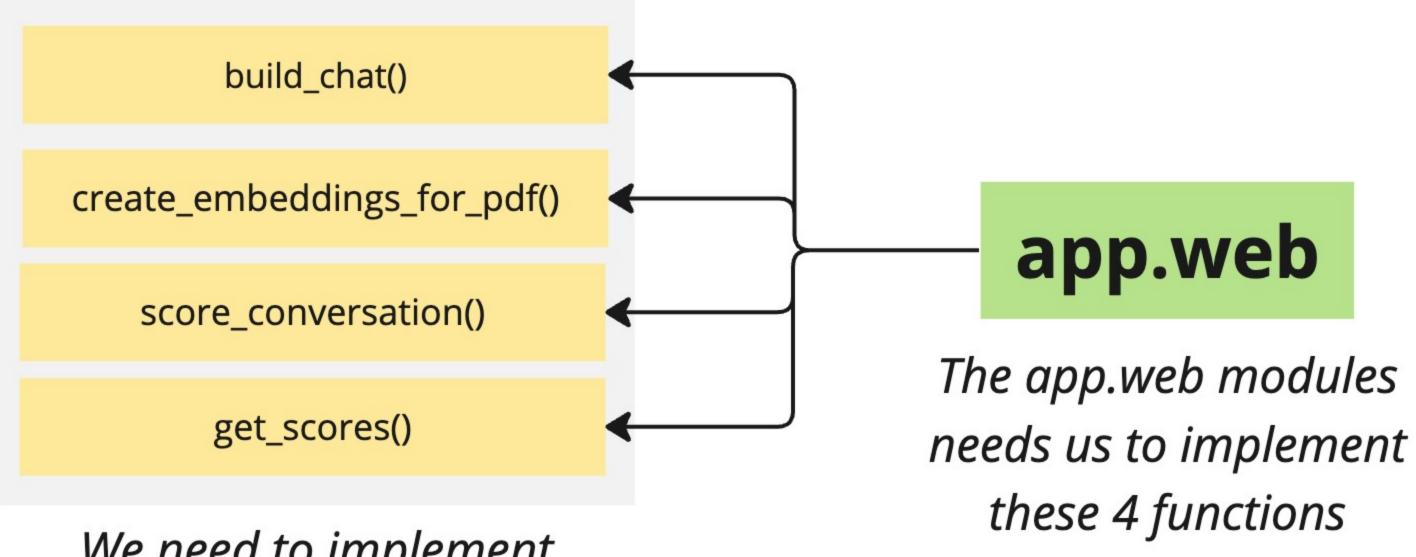
app.web Module



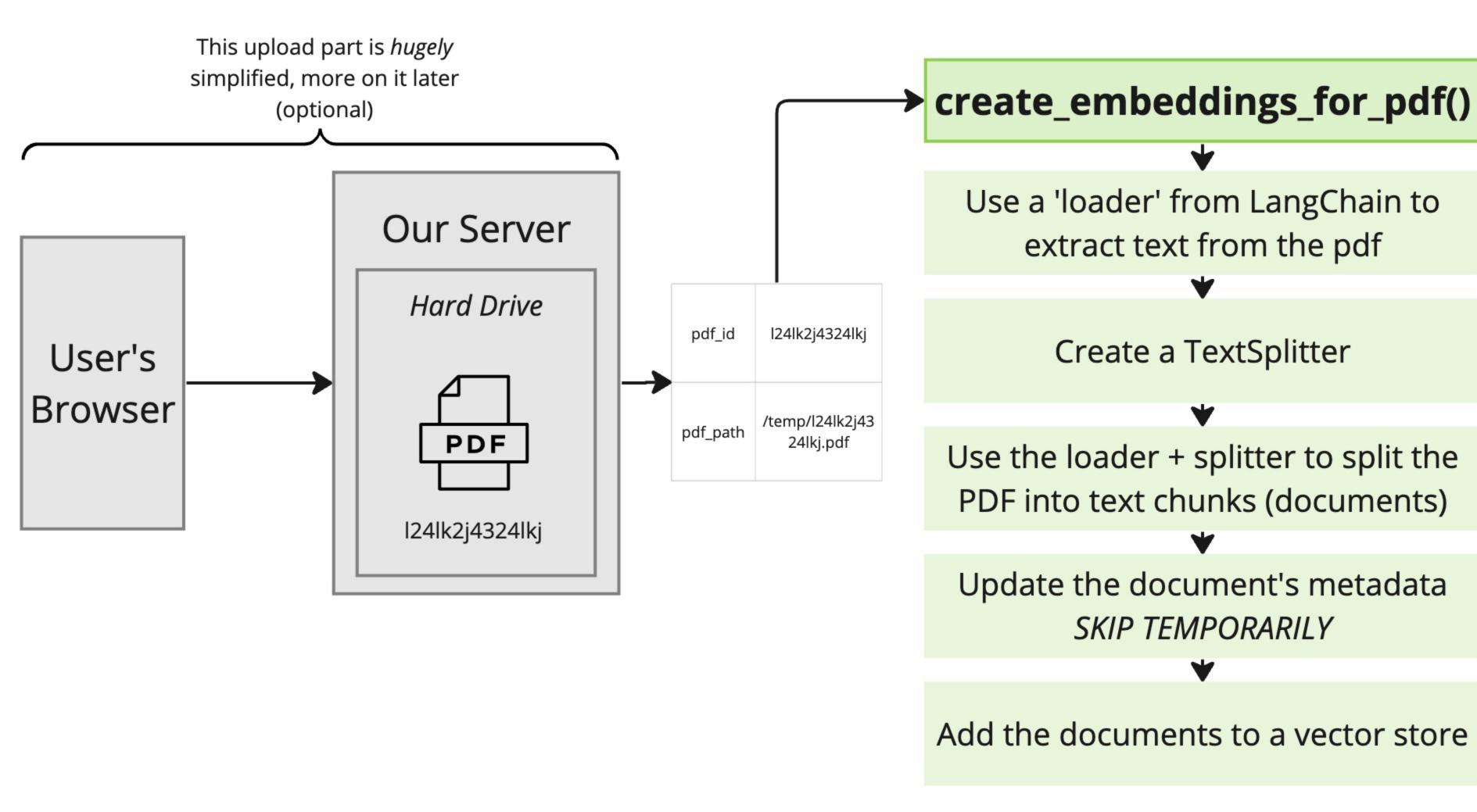
app.web

All of these are already complete! Located in app/web/api.py

app.chat Module



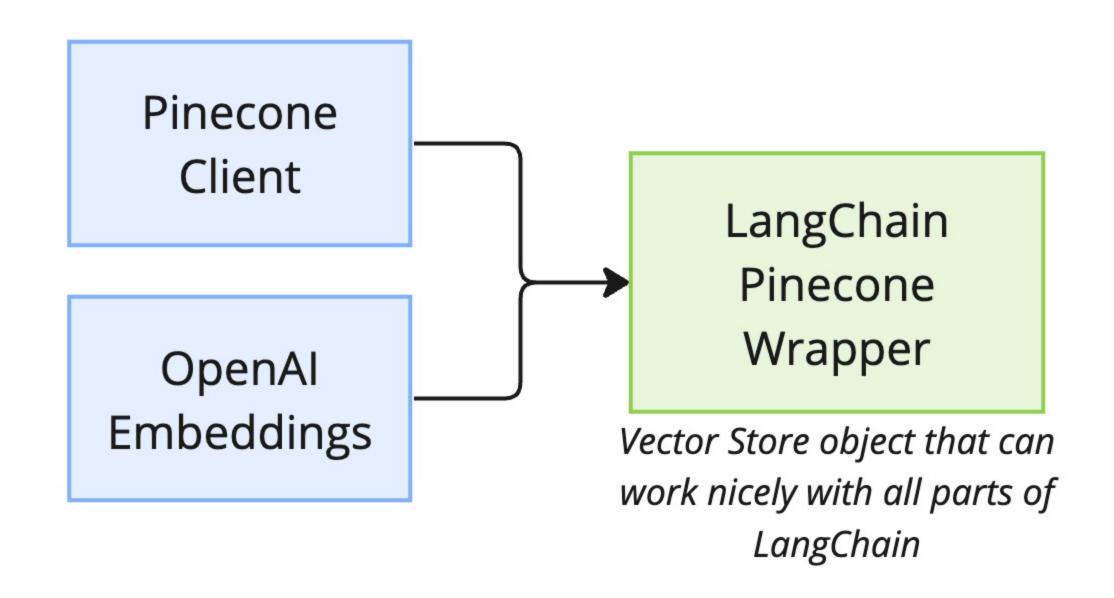
We need to implement these! (plus tons of supporting code)



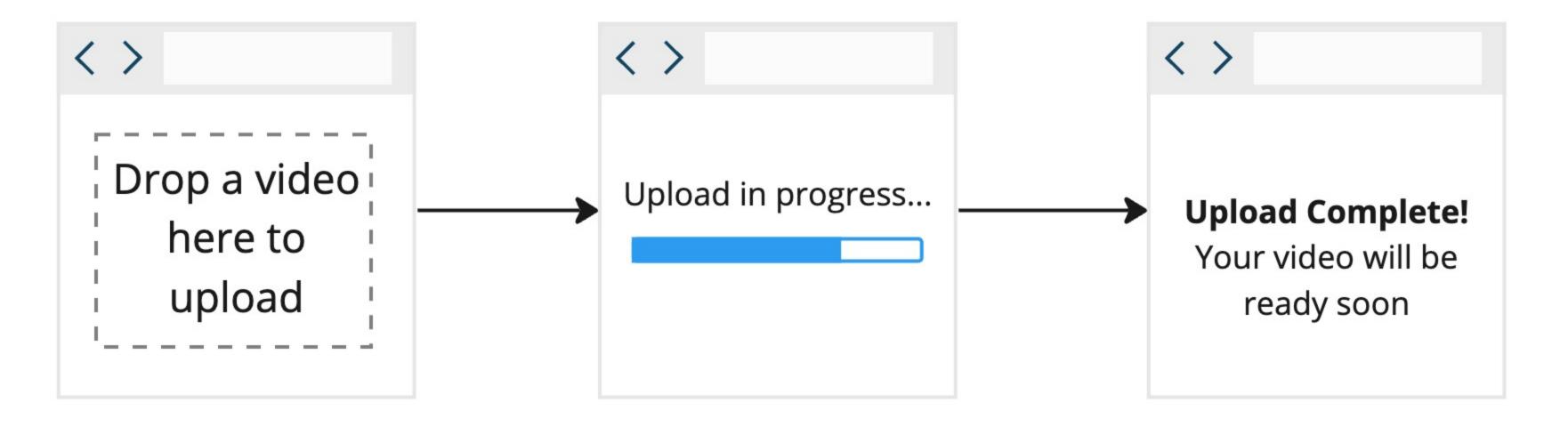
pinecone.io

Production-ready hosted vector database



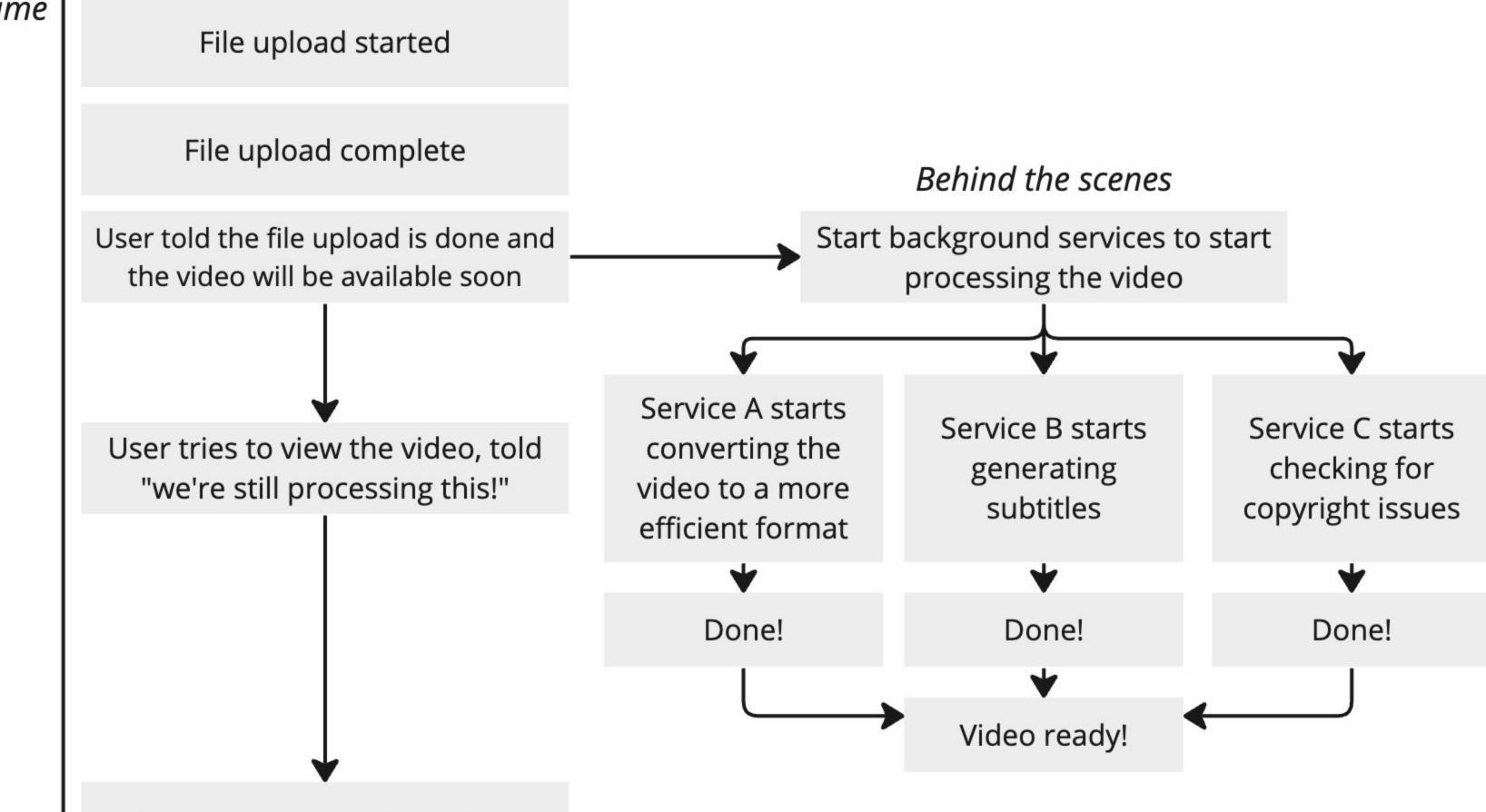


Video Upload to Youtube (or similar service)

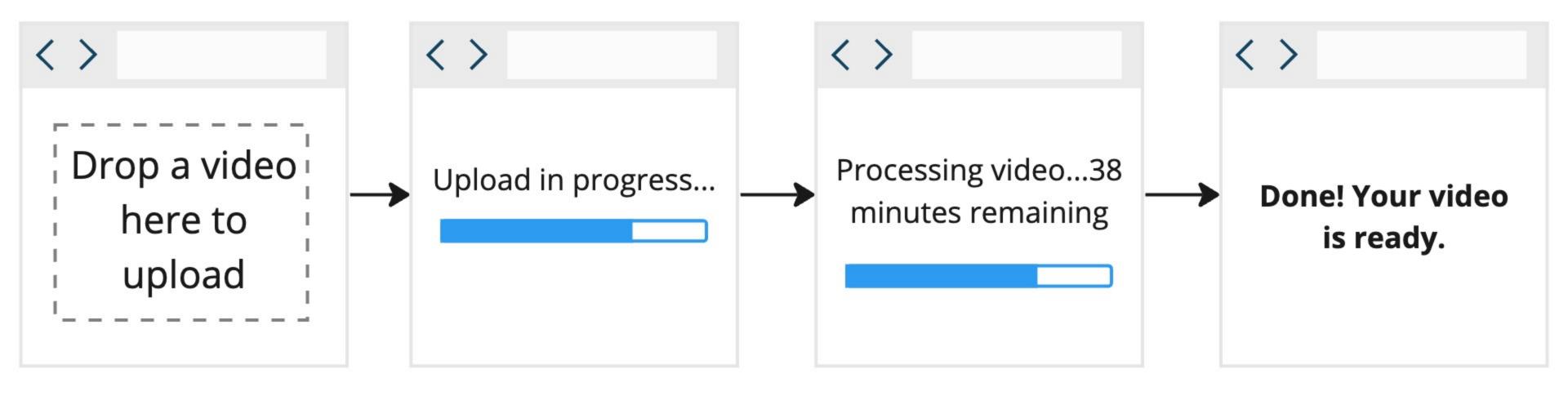


User can access the video!

Time



This would be really bad



This idea of 'background processing' is used **all the time in every major web app for any task that might take some amount of time**

Sending emails

Processing uploaded files

Report generation

Content moderation

File conversion

Bulk operations

Search indexing

Complex calculations

Recommendation generation

Data import/export

Any user-facing app that uses text gen will almost definitely use this same pattern

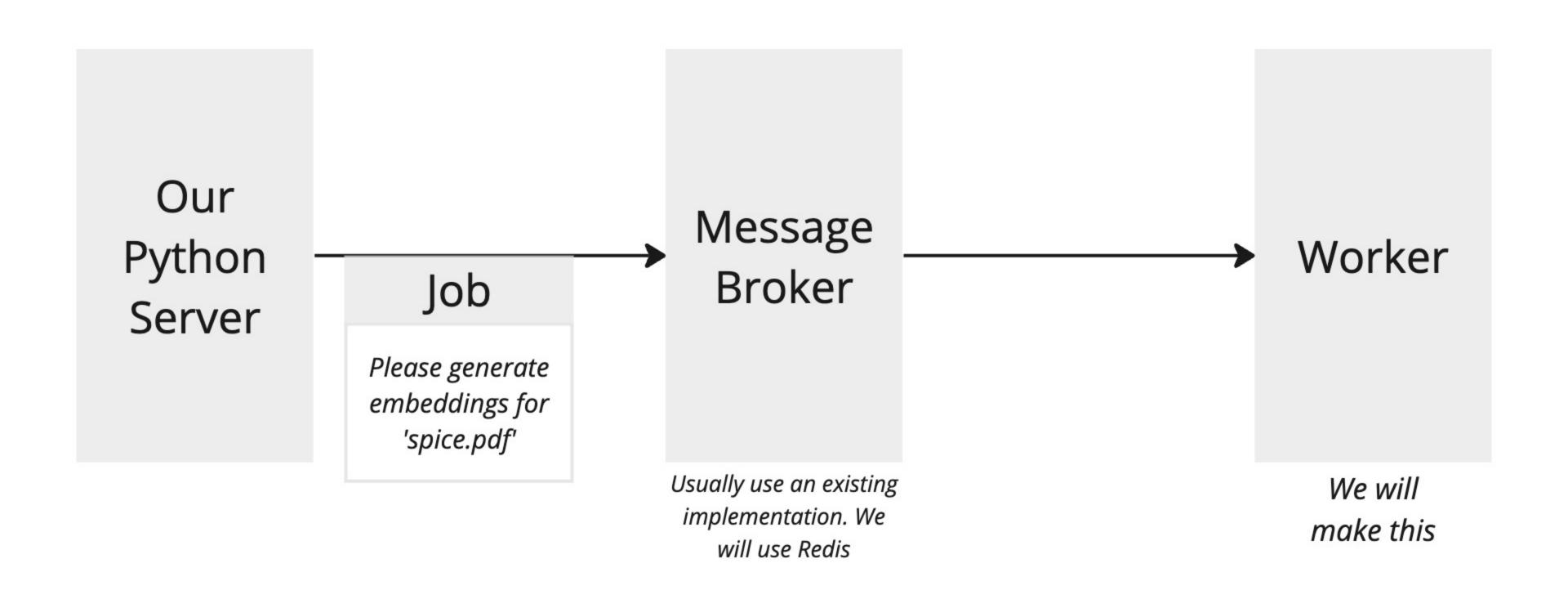
Generating embeddings

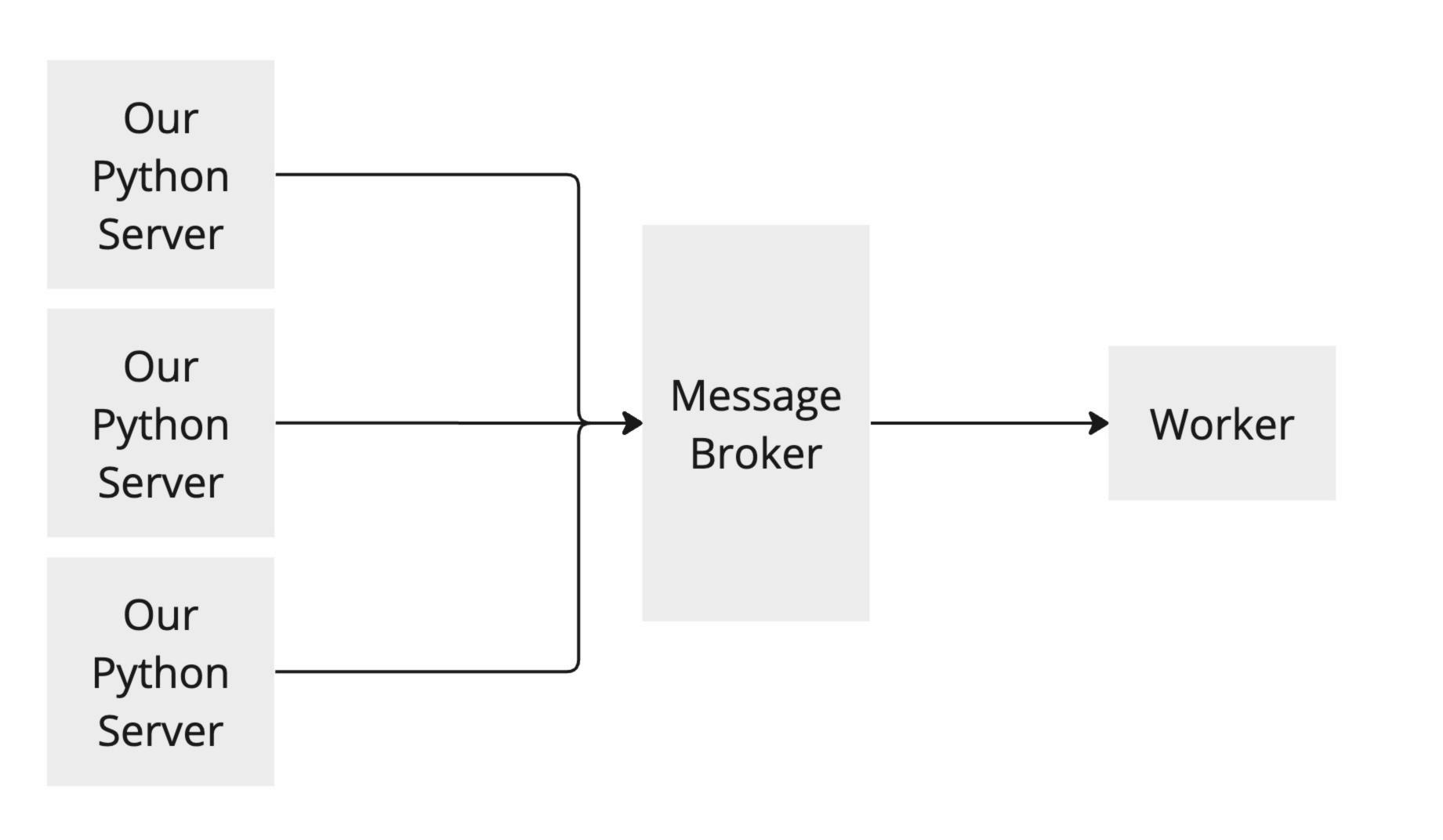
Running an agent

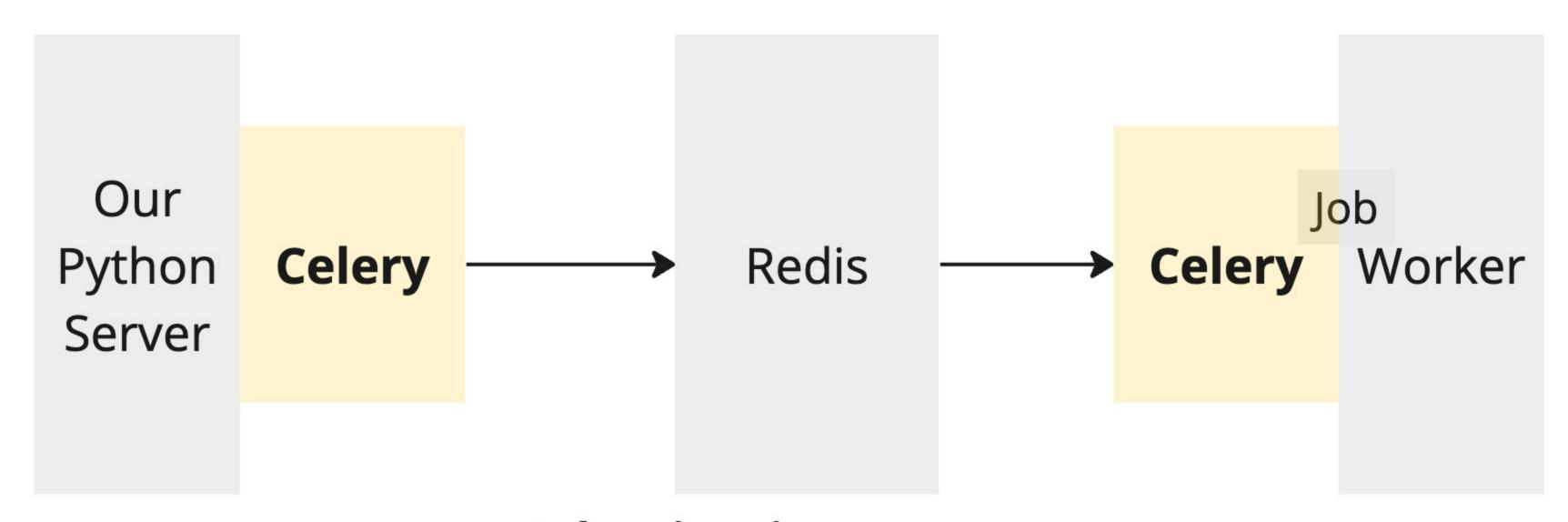
Running tools

Generating a text in bulk

The one exception is when you are generating text to immediately show to a user







Celery is going to manage everything about our jobs.

Celery is Python specific

Other languages have similar libraries