

## What is CrewSync?

CrewSync is a scheduling application designed to decrease/eliminate time spent writing workplace schedules.

## Stack:

ReactJS/D3, Python/Django, AWS, and OpenAI API

## OpenAI/ChatGPT's Role:

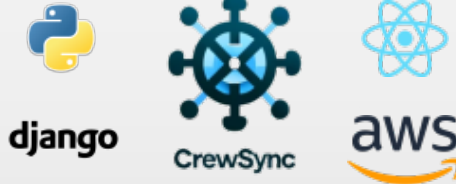
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## Issues with the OpenAI API

Unlike ChatGPT, OpenAI's API does not retain conversations. This causes issues when trying to track and change employees schedules. This also causes issues when you have a large staff and the prompt goes over the token limit.

## Why CrewSync??

- Saves time
- Reduces human error
- Can find scheduling solutions more efficiently than humans
- Analyzes prior sales data, previous/future weather patterns, holidays, sports, and other events that affect projected sales



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## LLM Designed for CrewSync

- Design our own LLM that fits the scope of our project
- This would bypass the issues we faced with Open AI's LLM API

## Future of CrewSync

- CrewSync will be more efficient when the OpenAI API improves; accepts more tokens, can be primed for specific use cases, cost reduction, etc.
- Possible custom algorithms as opposed to OpenAI-powered scheduling.
- Follow more industry standard practices
- More developers, time, and money needed

## Conversation with GPT

From this work schedule in the form of a .json file can you switch Emp001 with Emp002 for the thursday shift?

The Thursday shifts for employees EMP001 and EMP002 have been successfully swapped in the work schedule. You can download the updated schedule from the following link:

Emp002 needs this whole week off now. Will you set their schedule to off for the whole week?

EMP002's schedule has been updated to 'Off' for the entire week. You can download the updated work schedule from the link below:

We just got a new employee. Their id is Emp006, their schedule is working from 0900 to 1700 from Monday to Friday. Will you add them to the schedule?

The new employee, EMP006, has been added to the work schedule with the specified timings. You can download the updated schedule from the following link: