Project Introduction

Your Project for the Week

Goal:

> Write software that captures and processes a stream of real-time, dynamic data and turns it into something useful, e.g. a slackbot that sends periodic updates. 🔢 → 💎

- Manage and run and entire data stream / "pipeline", where each component of the pipeline is its own, isolated "microservice" managed by Docker Compose. 🥳

- In simpler terms: Run a complex, interconnected piece of software (composed of 5 individual moving parts) in such a way that all components run continuously and talk to each other, and the whole pipeline can be launched (and stopped) with a single command. 💥

Data:

- Your API of choice!

- Probably twitter, but you can use others as well.

(A lot of) New concepts this week:

- APIs

- Docker/Docker Compose

- MongoDB

- ETL (Extract-Transform-Load)

- Sentiment Analysis

Your Workflow for the Week

Windmill by Start Up Graphic Design from the Noun Project   silo by Francielly Costantin Senra from the Noun Project   Cake by Maurizio Fusillo from the Noun Project
Truck by Creative Stall from the Noun Project   Tractor by Bernar Novalyi from the Noun Project   Grains by Ivana Milchanska from the Noun Project   supermarket by Made from the Noun Project