MLOps Project

The purpose of the MLOps project is to develop an end-to-end data science solution that is usable by someone with no technical knowledge. It must include the following components

(1) A process map built which documents the process
(2) Data ingested from an online source
(3) A data repository and model repository
(4) A predictive model built off the data
(5) The model predictions
    a. Put into a Streamlit application
    b. Via a Docker deployment
    c. Which is accessible to users
(6) A model monitoring dashboard built
(7) Documentation for the model process and risks with the production

The purpose is not to have a complex model. It is meant to have a simpler model that works! All of this is to be done in teams of 2, along with individual users. Both the modeling teams and users will take part in the presentations

Timeline:

Date	Task
February 17th	choice of a problem to be solved and identification of what is to be modeled
February 20th	User assignment
February 27th	Meetings with end-users; process diagram built
March 21st	Model built in dev
March 30th	Documented agreement on mock-up of end-user portal
April 17th	Model in Production; documentation written
Week of April 21st	Presentations on results