

Building a COVID-19 Project Recommendation System using MLflow

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Who am I?




BRANDLESSTM

Uber

Today's Talk

- **Problem Space:** What are we solving?
- **Recommenders:** Scratching the surface
- **How it works:** Mapping out the steps
- **Live Demo:** Running the code
- **Q&A**

A COVID-19 Project Recommender



covid19 OR covid-19 OR coronavirus

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Code

Commits

Issues

Discussions Beta

Packages

Marketplace

Topics

Wikis

Users

53K

1M

160K

33K

29

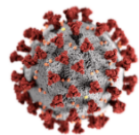
12

3

410

1K

767



COVID-19


The coronavirus disease 2019 (COVID-19) is an infectious disease caused by SARS-CoV-2.

[See topic](#)

★ Star

53,213 repository results

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CSSEGISandData/COVID-19

Novel **Coronavirus (COVID-19)** Cases, provided by JHU CSSE

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★ 22.2k Updated 1 hour ago



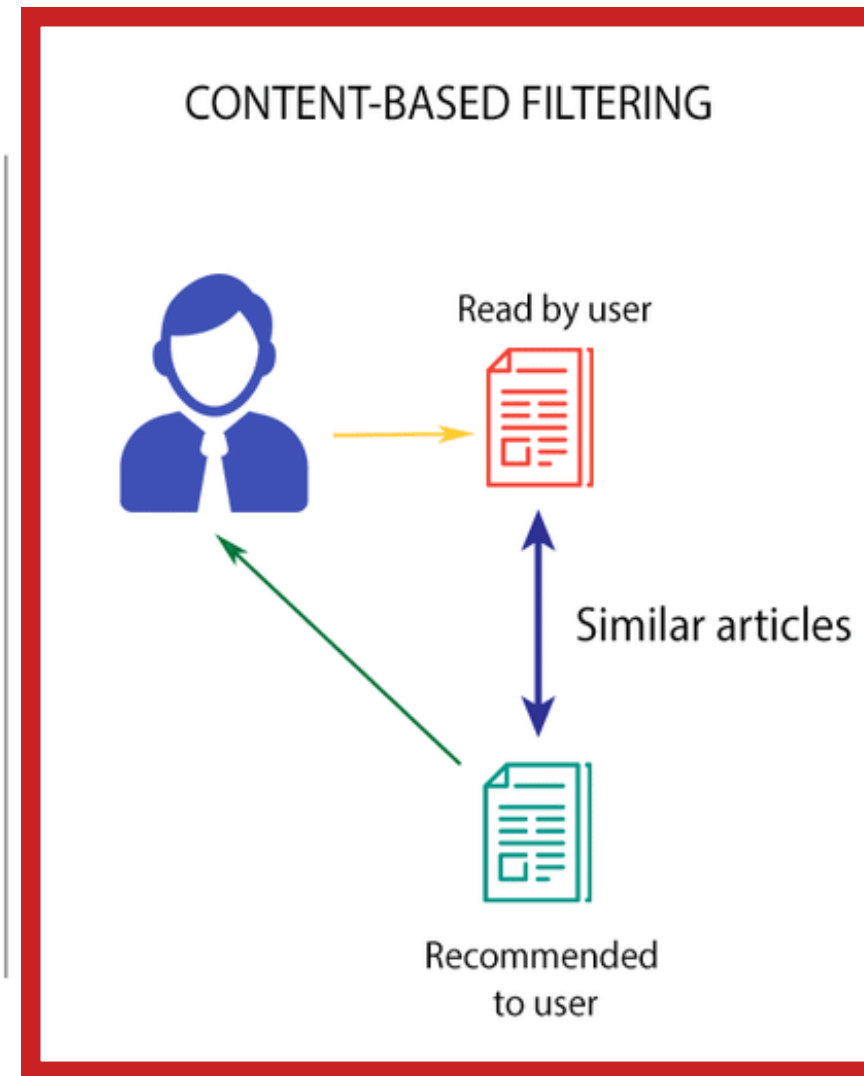
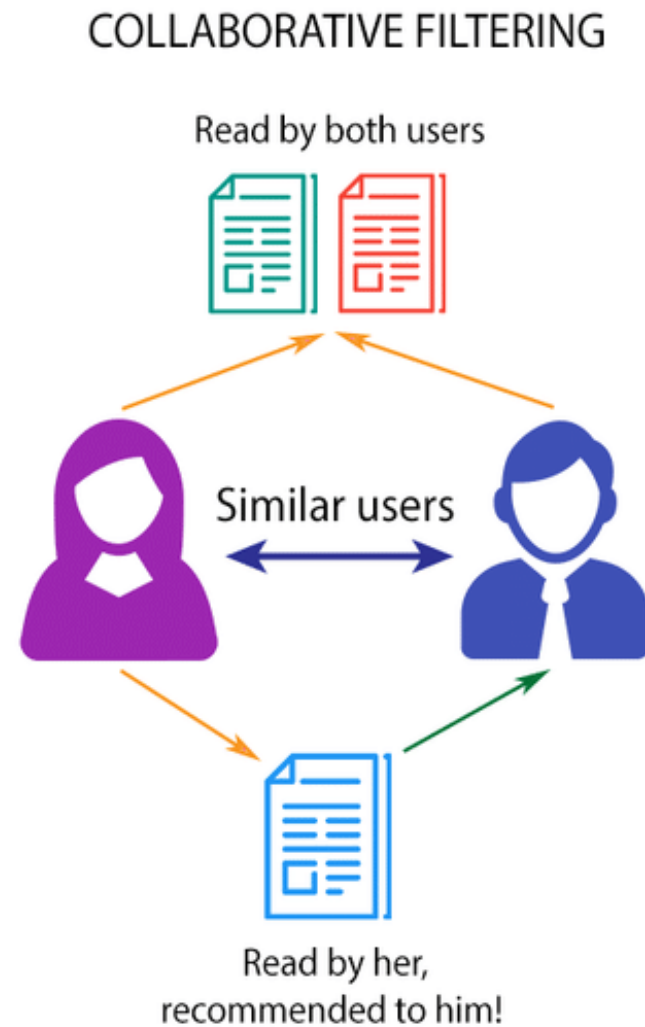
pomber/covid19

JSON time-series of **coronavirus** cases (confirmed, deaths and recovered) per country - updated daily

[api](#) [json](#) [data](#) [time-series](#) [dataset](#) [2019-ncov](#) [coronavirus](#) [covid-19](#)

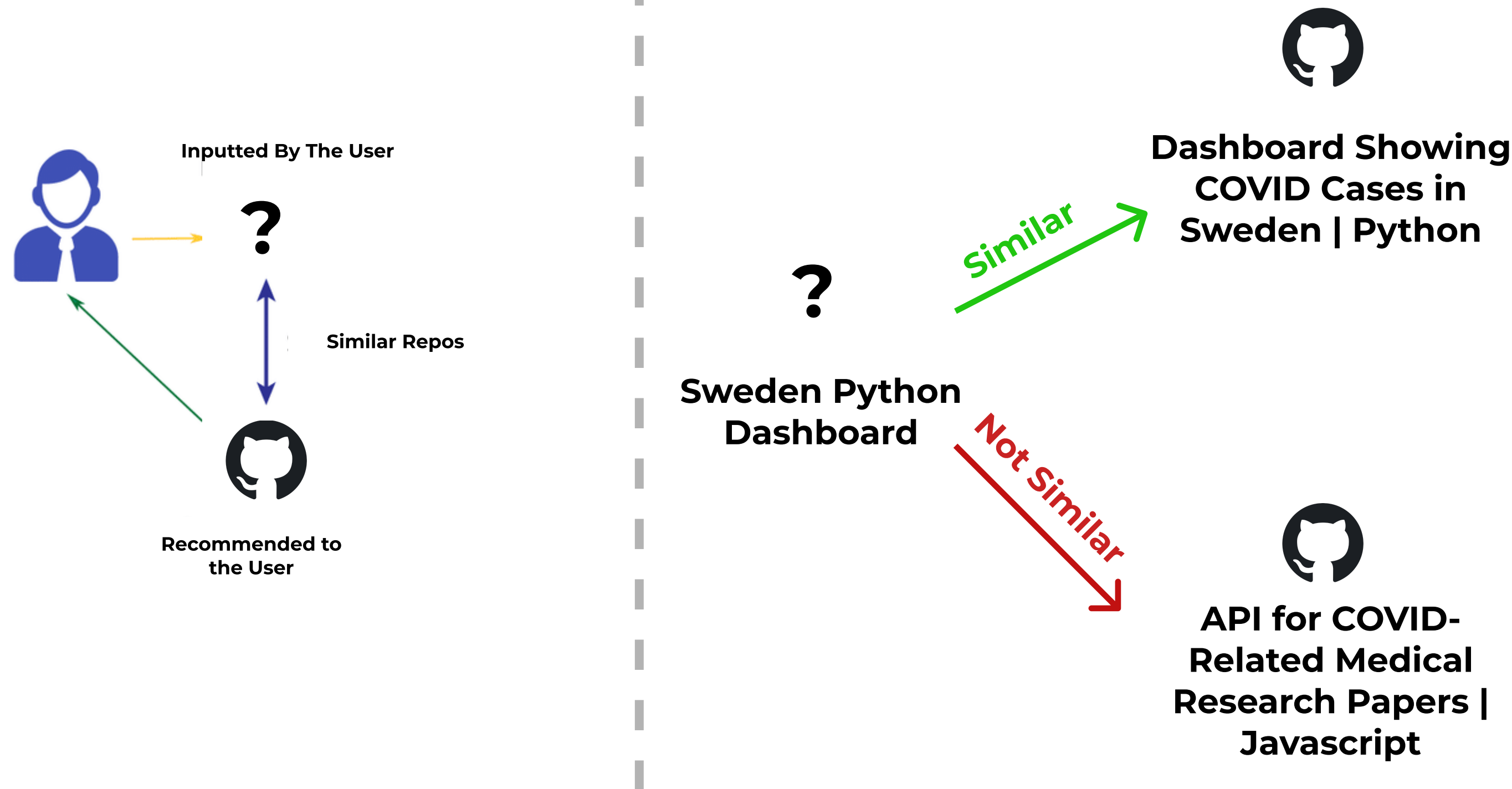
★ 1k  JavaScript Updated 12 hours ago

What is a Recommendation System

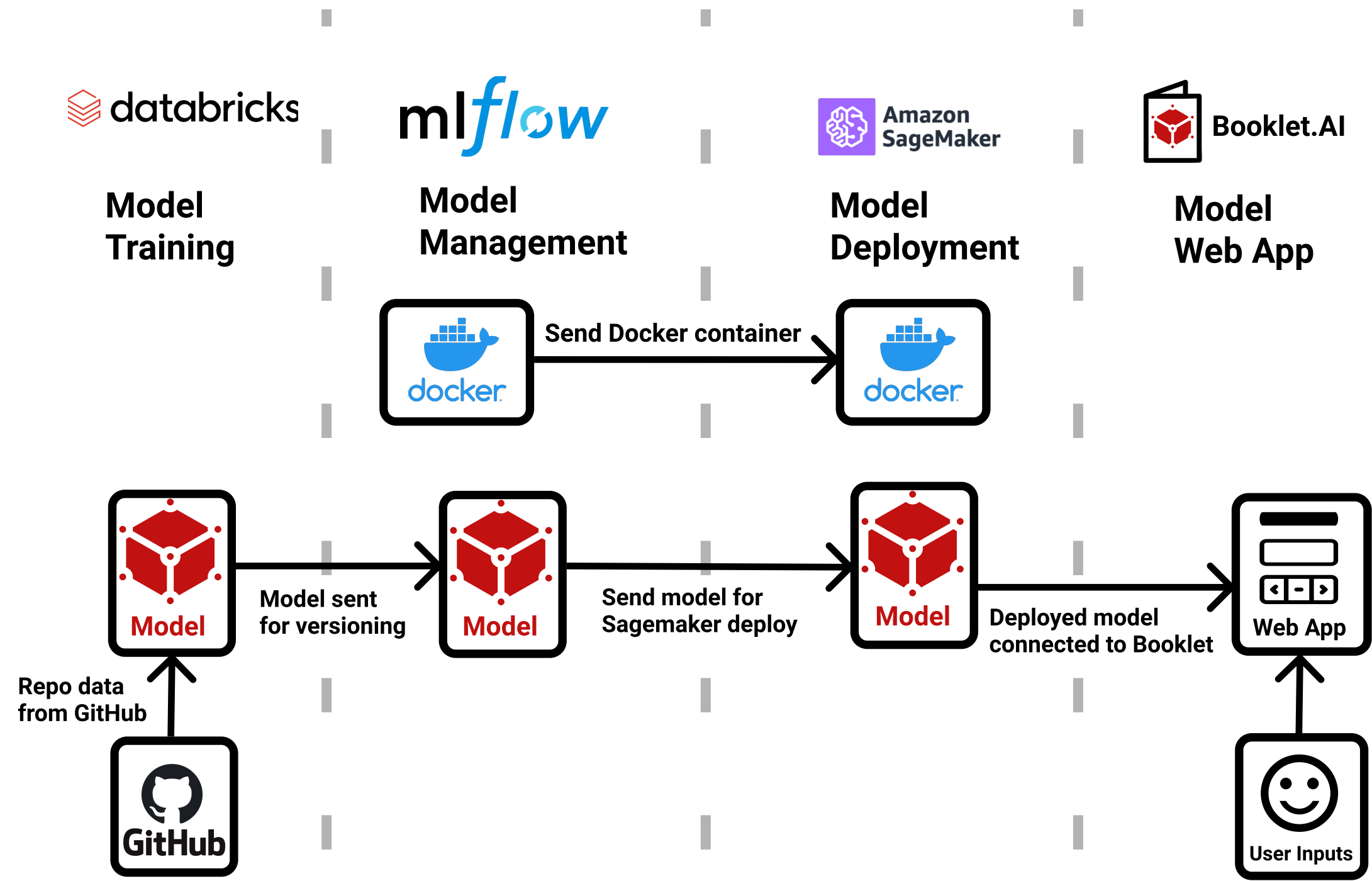


https://www.researchgate.net/figure/Content-based-filtering-vs-Collaborative-filtering-Source_fig5_323726564

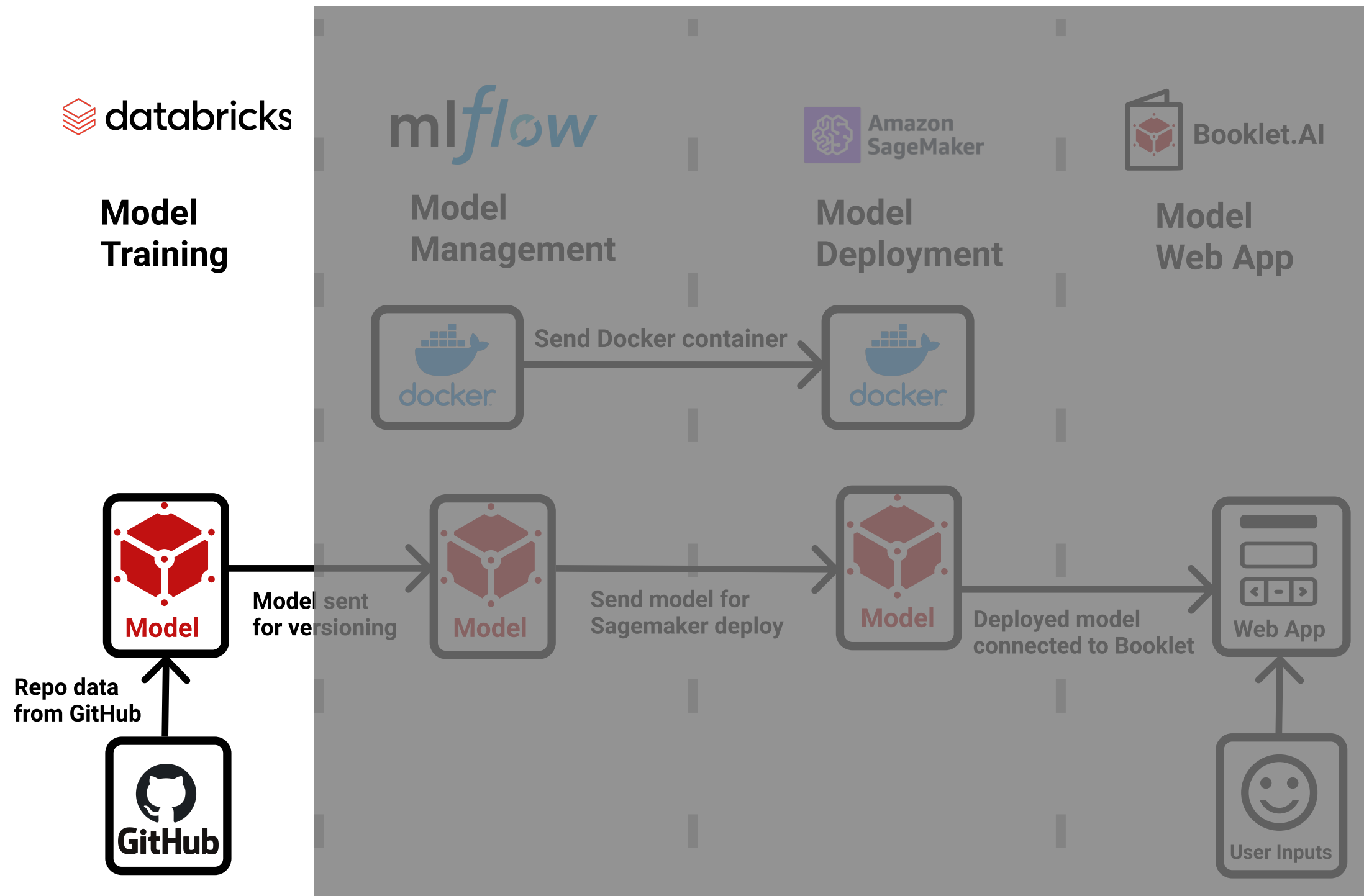
How this Algorithm Works



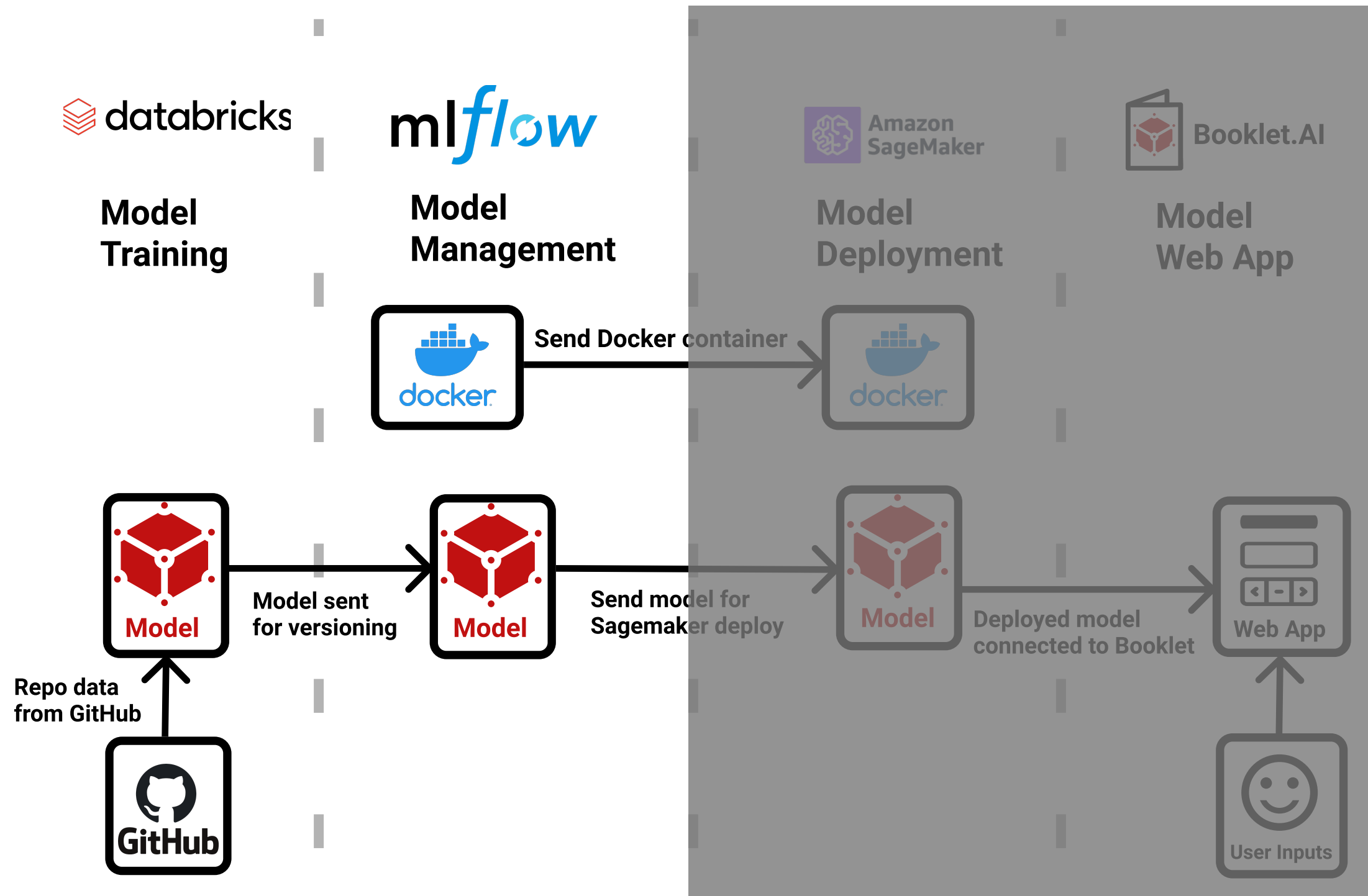
How the system works



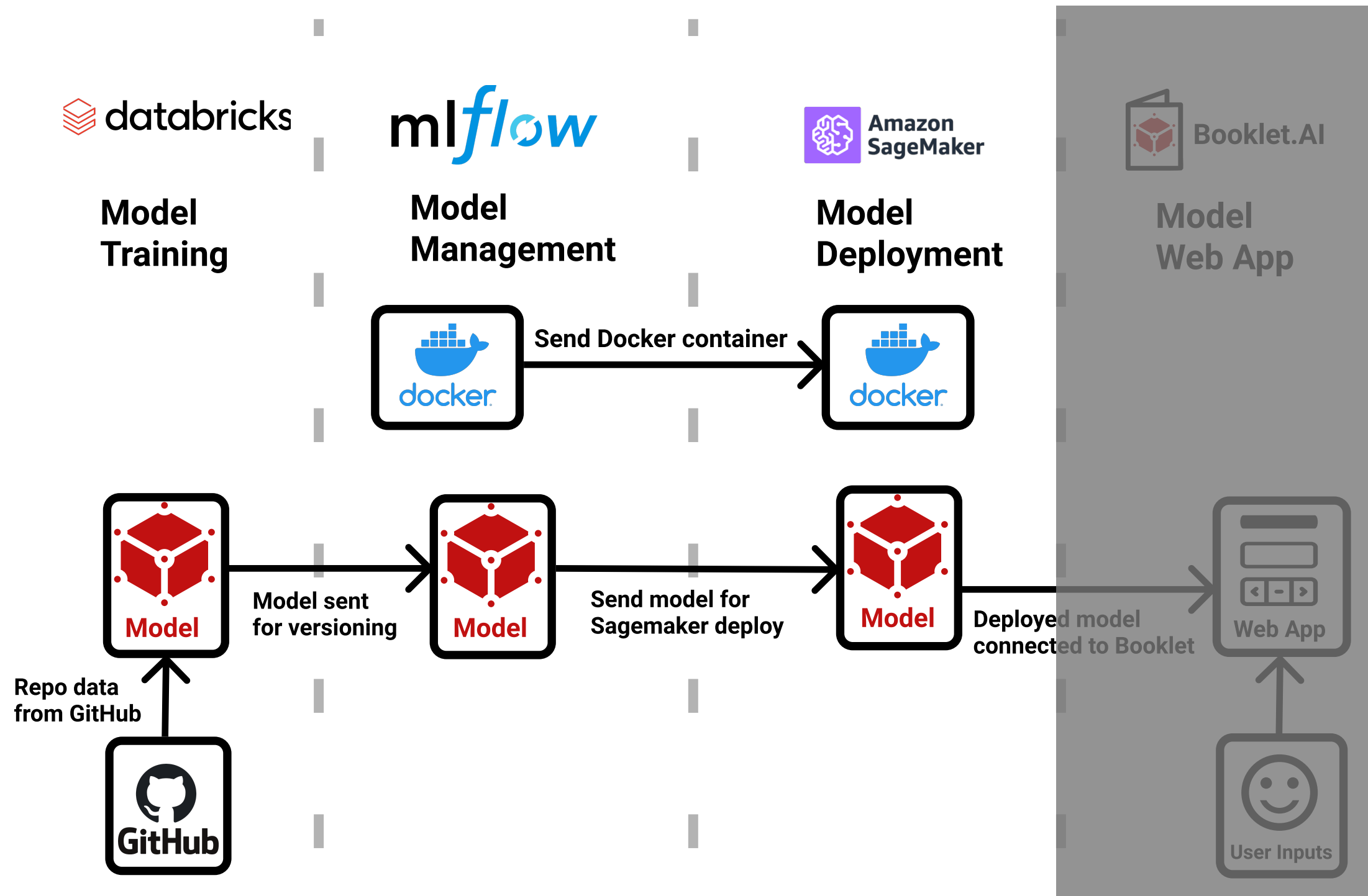
1. Train the Model



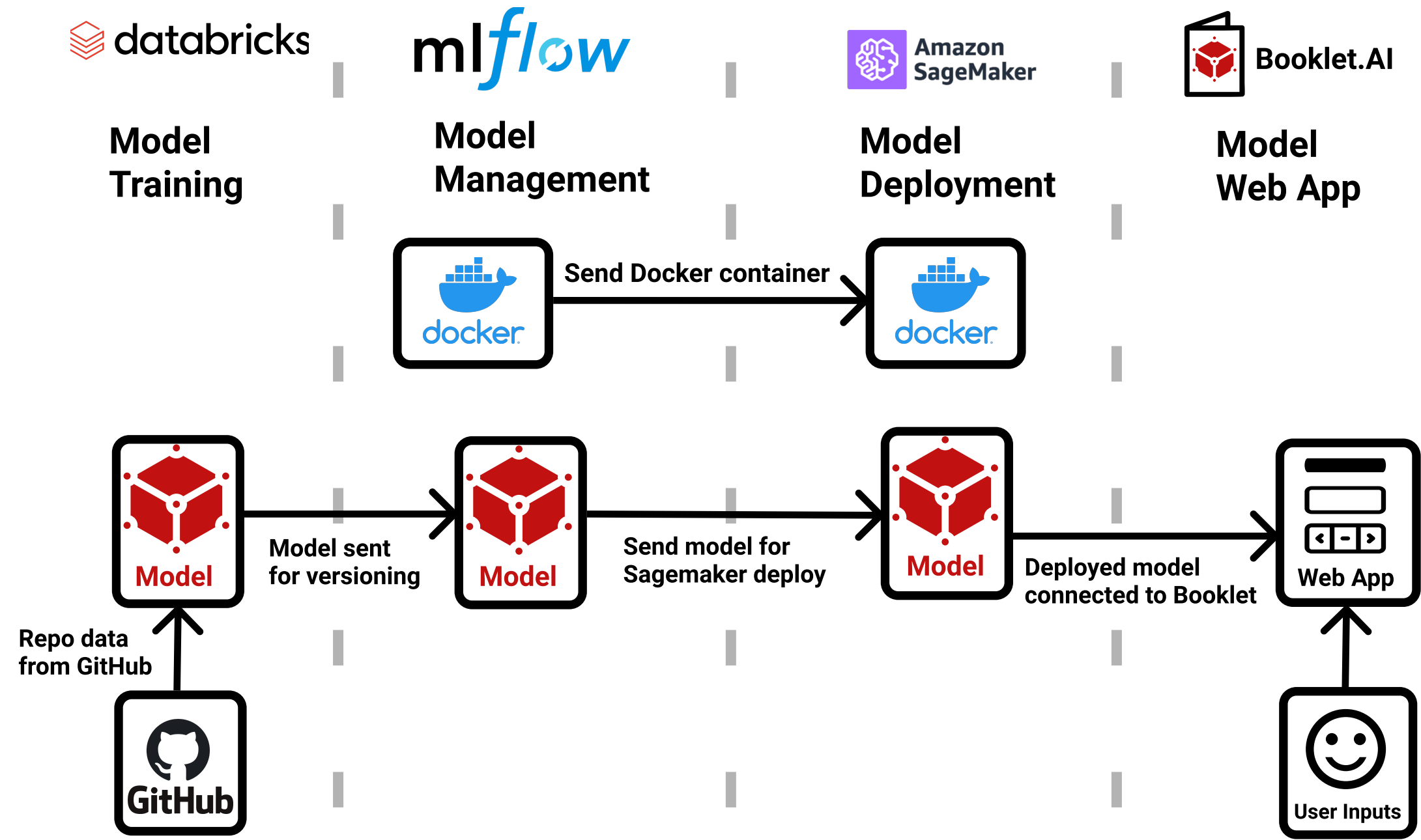
2. Manage and Prep the Model



3. Deploy the Model



4. Build a Web App



Demo Time!

Requirements:

- Databricks Account (Free Trial)
- AWS Account (Free Credits)
- Booklet.ai Account (Free)

Details:

- Code, Blog, Demo Shared Afterwards
- Will be moving a bit too fast for code details, but feel free to place issues after!