Docker Compose

```
webscraper
468team-webscraper

worker
468team-worker
8080:8080

postgres-container
postgres:latest
```
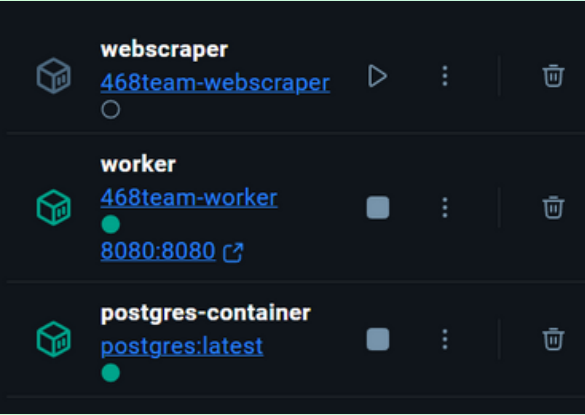
```
COPY script.sh .
RUN /script.sh
ENV PATH="/my-venv/bin:$PATH"

COPY requirements.txt .
RUN my-venv/bin/pip install -r requirements.txt

COPY WebScraper.py .
CMD ["python3", "WebScraper.py"]
```
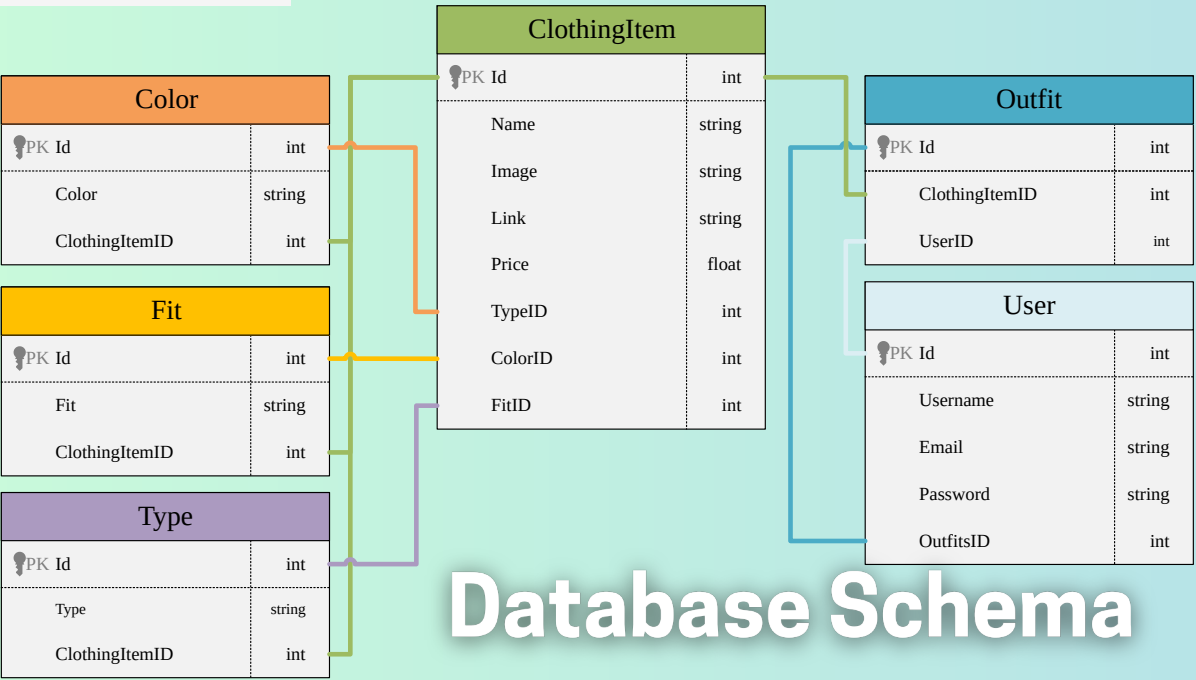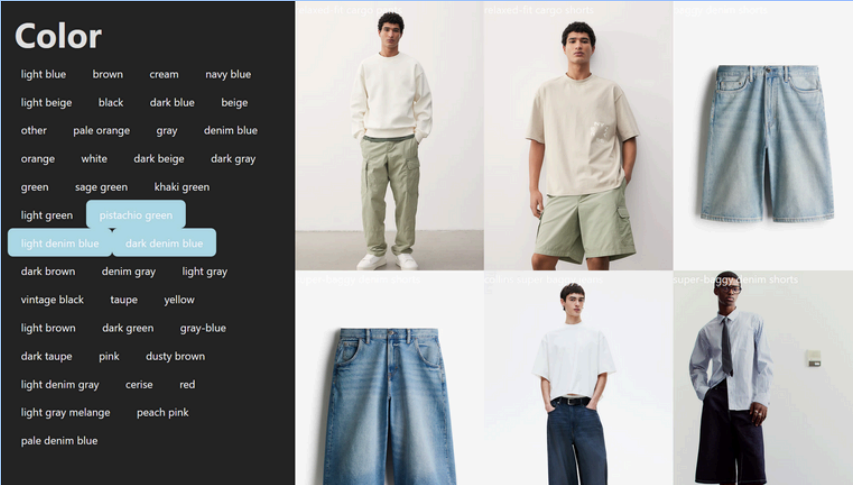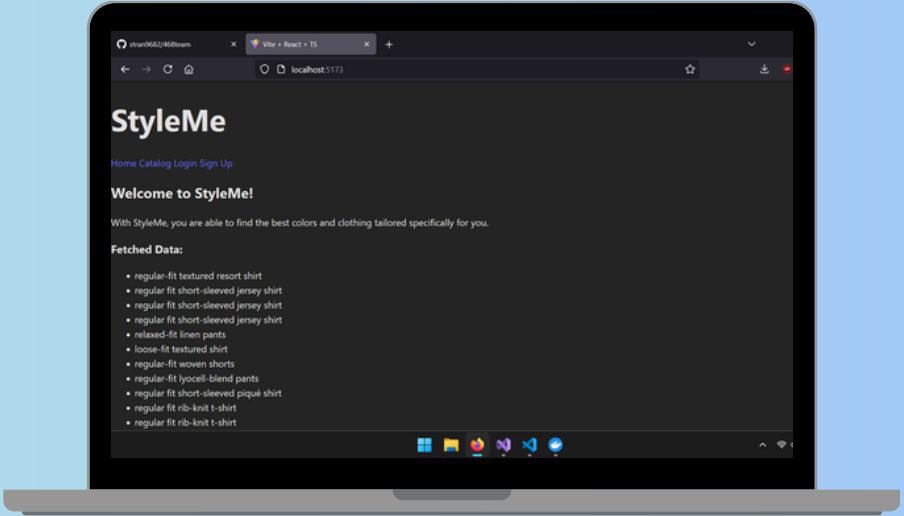
```
services:
  ▷ Run Service
  postgres:
    image: postgres:latest
    container_name: postgres-container
    restart: always
    environment:
      POSTGRES_USER: myuser
      POSTGRES_PASSWORD: mypassword
      POSTGRES_DB: mydb
    networks:
      - mynetwork
    volumes:
      - postgres_data:/var/lib/postgresql/data  # Persist data

  ▷ Run Service
  worker:
    build: Worker
    container_name: worker
    ports:
      - "8080:8080"
    depends_on:
      - postgres
    networks:
      - mynetwork
```

```
  ▷ Run Service
  webscraper:
    build: WebScraper
    container_name: webscraper
    networks:
      - mynetwork

networks:
  mynetwork:

volumes:
  postgres_data:
```
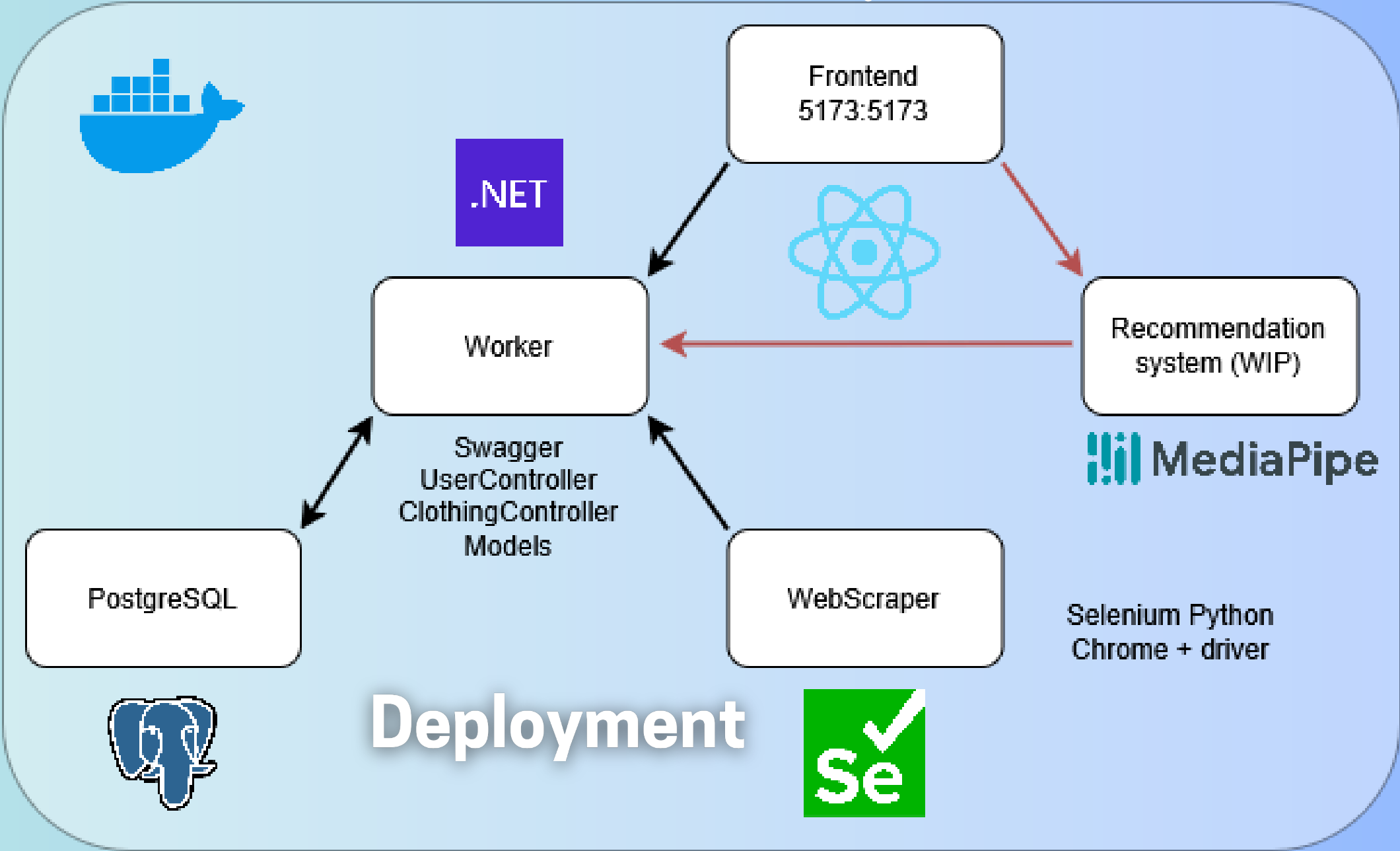
Front End

StyleMe
Home Catalog Login Sign Up

Welcome to StyleMe!

With StyleMe, you are able to find the best colors and clothing tailored specifically for you.

Fetched Data:

- regular fit textured resort shirt
- regular fit short-sleeved jersey shirt
- regular fit short-sleeved jersey shirt
- regular fit short-sleeved jersey shirt
- relaxed-fit linen pants
- loose-fit textured shirt
- regular-fit woven shorts
- regular fit lyocell-blend pants
- regular fit short-sleeved pique shirt
- regular fit rib-knit t-shirt
- regular fit rib-knit t-shirt

Color

light blue, brown, cream, navy blue, light beige, black, dark beige, beige, other, pale orange, gray, denim blue, orange, white, dark beige, dark gray, green, sage green, khaki green, light green, pistachio green, light denim blue, dark denim blue, dark brown, denim gray, light gray, vintage black, taupe, yellow, light brown, dark green, gray-blue, dark taupe, pink, dusty brown, light denim gray, cerise, red, light gray melange, peach pink, pale denim blue

Database Schema

ClothingItem

PK Id	int
Name	string
Image	string
Link	string
Price	float
TypeID	int
ColorID	int
FitID	int

Color

PK Id	int
Color	string
ClothingItemID	int

Fit

PK Id	int
Fit	string
ClothingItemID	int

Type

PK Id	int
Type	string
ClothingItemID	int

Outfit

PK Id	int
ClothingItemID	int
UserID	int

User

PK Id	int
Username	string
Email	string
Password	string
OutfitsID	int

StyleMe

StackOverflowers

Chris Eardley, Danny Halovanic, Haja Koroma, Sebastian Tran

GitHub

Deployment

Frontend
5173:5173

.NET

Worker

Swagger
UserController
ClothingController
Models

PostgreSQL

WebScraper

Recommendation system (WIP)

MediaPipe

Selenium Python
Chrome + driver