

Bakery-management- system

Screenshots

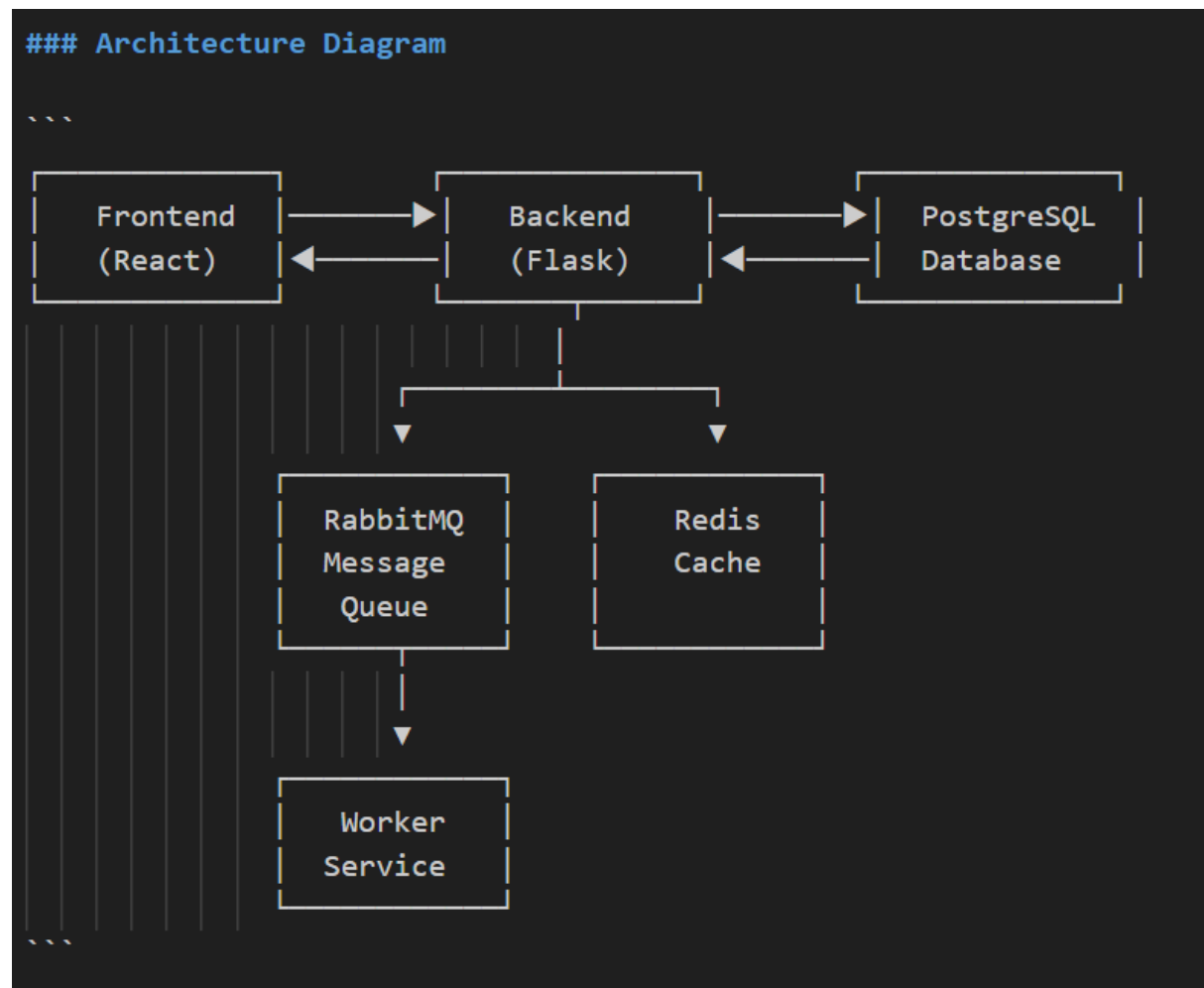
NAME: ISHITA GUPTA

SAP ID: 500105749

ROLL NO.: R2142220088

BATCH: CCVT-B7

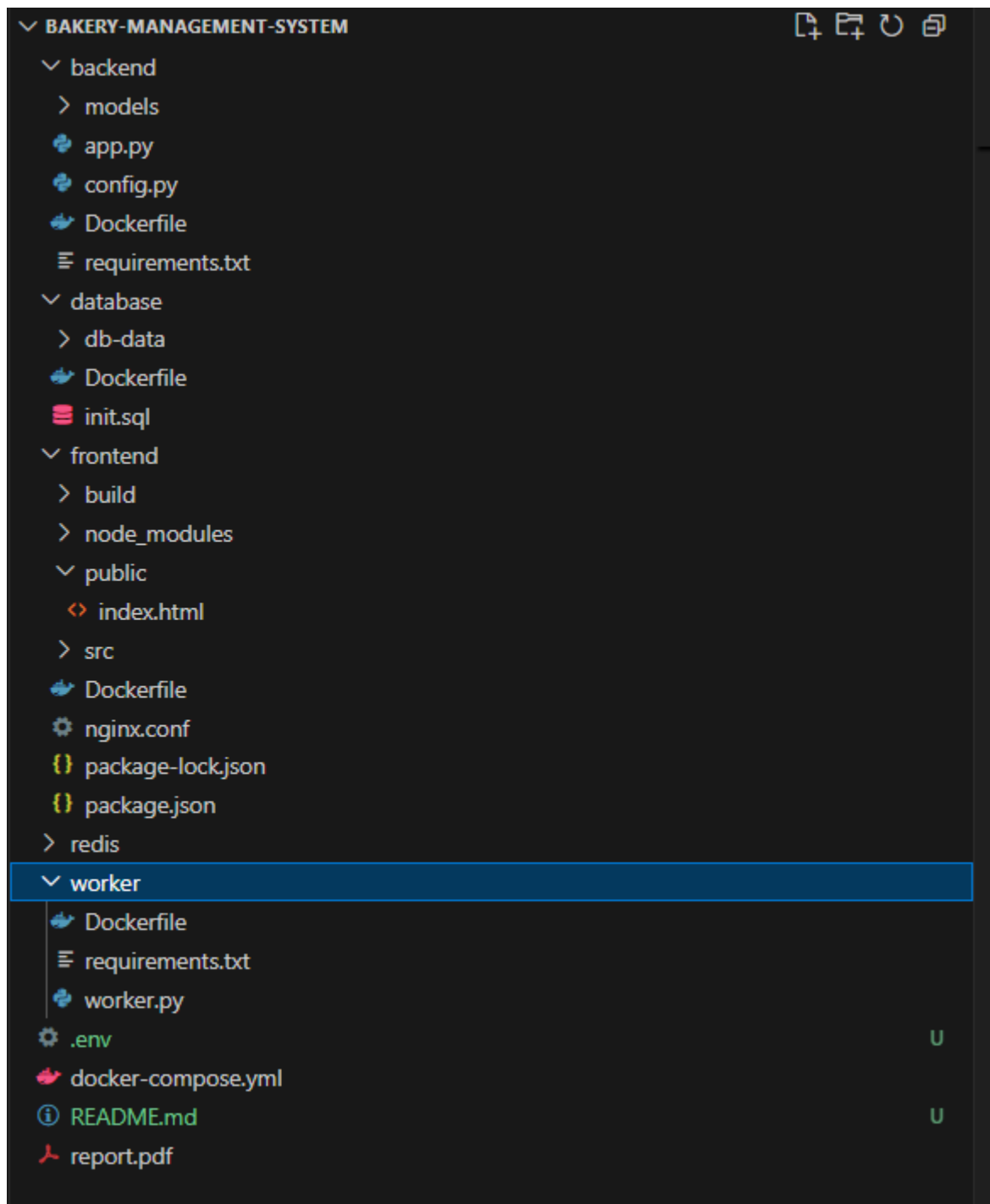
System architecture:



Prerequisites:

- ```
Prerequisites
```
- Docker Engine (version 20.10.0 or higher)
  - Docker Compose (version 2.0.0 or higher)

## Folder structure:



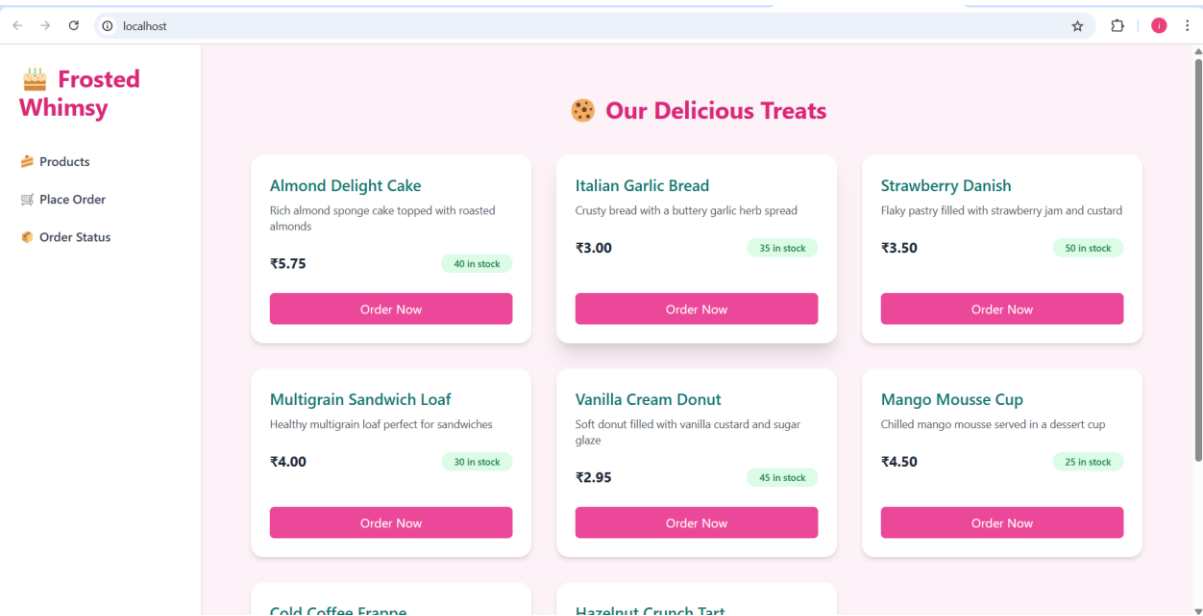
# Containers:

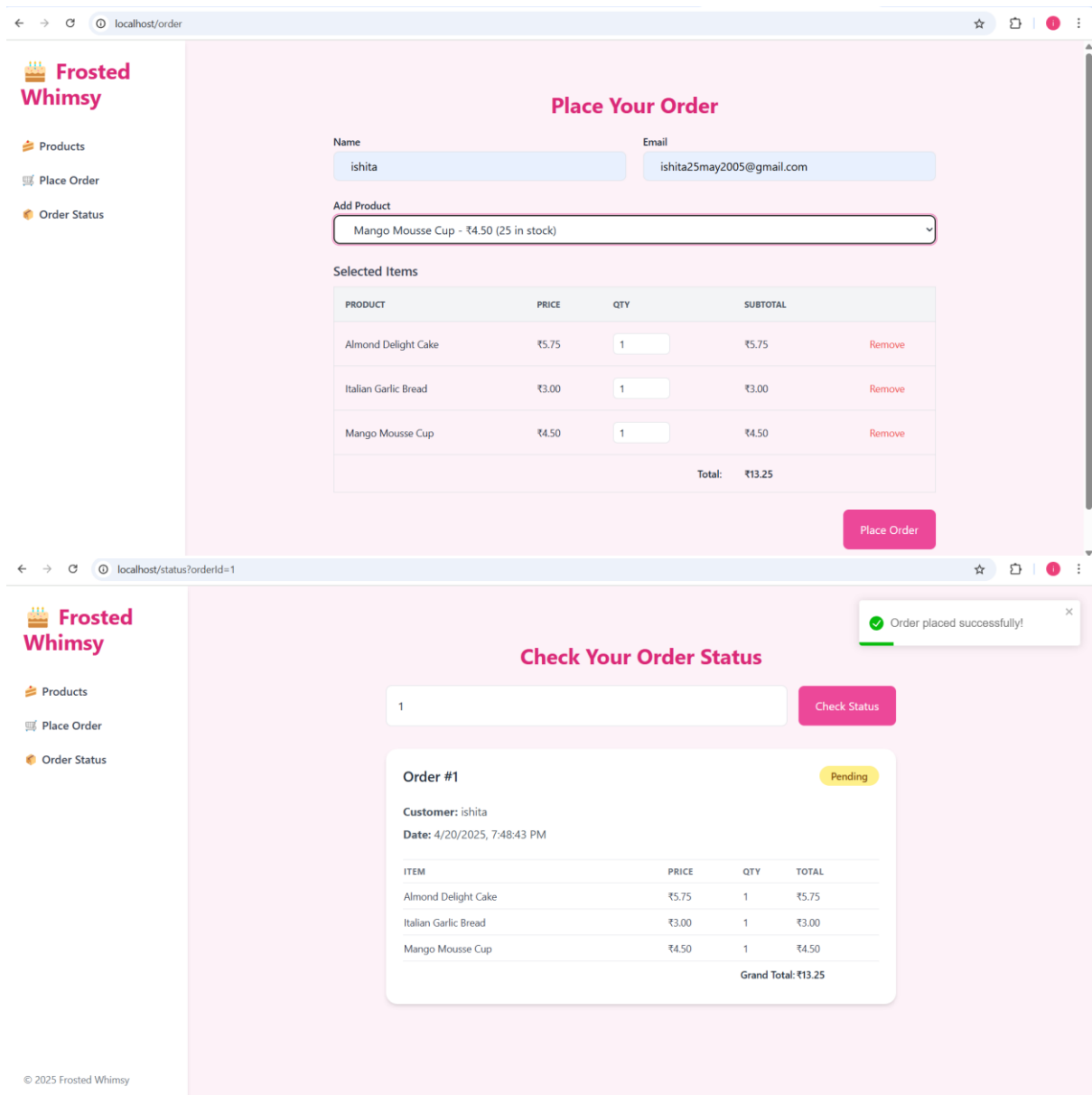
```
PS C:\Users\Ishita\OneDrive\Desktop\500105749\bakery-management-system> docker compose up --build
[+] Running 20/20
✔ rabbitmq Pulled
✔ e2c9ac7522b1 Download complete
✔ 2726e237d1a3 Download complete
✔ b97893c78bcf Download complete
✔ bbf054ba0a52 Download complete
✔ 8f0b1300cb5d Download complete
✔ fec6e9fb024 Download complete
✔ 5dbd81dc19b2 Download complete
✔ 68b633cb1e8f Download complete
✔ 9deab862591a Download complete
✔ ec13cee25cb Download complete
✔ redis Pulled
✔ 4f4fb70ef54 Download complete
✔ 16cd0457255f Download complete
✔ 4d03bd351ab9 Download complete
✔ 927ba88b2847 Download complete
✔ 4738865c5f32 Download complete
✔ 685658333333 Download complete
```

☐ Only show running containers

| <input type="checkbox"/> | Name                      | Container ID | Image                   | Port(s)                           | CPU (%) | Last started   | Actions |
|--------------------------|---------------------------|--------------|-------------------------|-----------------------------------|---------|----------------|---------|
| <input type="checkbox"/> | bakery-management-syste - |              | -                       | -                                 | 0.72%   | 12 minutes ago |         |
| <input type="checkbox"/> | db-1                      | 74dadca7ce54 | bakery-management-syste | 5432:5432                         | 0%      | 12 minutes ago |         |
| <input type="checkbox"/> | redis-1                   | 77d9ee45b1e6 | redis:alpine            | 6379:6379                         | 0.43%   | 12 minutes ago |         |
| <input type="checkbox"/> | rabbitmq-1                | f6014993dae5 | rabbitmq:3-management   | 15672:15672<br>Show all ports (2) | 0.28%   | 12 minutes ago |         |
| <input type="checkbox"/> | worker-1                  | 06337520bfec | bakery-management-syste |                                   | 0%      | 12 minutes ago |         |
| <input type="checkbox"/> | backend-1                 | 201be4c568b0 | bakery-management-syste | 5000:5000                         | 0.01%   | 12 minutes ago |         |
| <input type="checkbox"/> | frontend-1                | a3c39f3a3c98 | bakery-management-syste | 80:80                             | 0%      | 12 minutes ago |         |

# Bakery:





Order status:

```

services.utils: AsyncIOTransport object at 0x750c3004d907 params: connection parameters host=127.0.0.1 port=8072 virtual=0
2025-04-20 19:35:51,061 - pika.adapters.blocking_connection - INFO - Created channel=1
2025-04-20 19:35:51,072 - __main__ - INFO - Worker started. Waiting for messages...
2025-04-20 19:48:43,681 - __main__ - INFO - Received message: b'{"order_id": 1, "customer_name": "ishita", "total_price": 13.25}'
2025-04-20 19:48:43,851 - __main__ - INFO - Updated order 1 status to processing
2025-04-20 19:48:43,855 - __main__ - INFO - Processing order 1 (will take 7 seconds)
2025-04-20 19:48:50,914 - __main__ - INFO - Updated order 1 status to completed
2025-04-20 19:48:50,914 - __main__ - INFO - Order 1 has been completed
PS C:\Users\Ishita\OneDrive\Desktop\500105749\bakery-management-system> |

```

Github link:

<https://github.com/ishita025/bakery-management-system>

Demo video link:

[https://drive.google.com/file/d/1cPkd0nl8bHLt176YwsBVBZk2IfLRTJT\\_/view?usp=sharing](https://drive.google.com/file/d/1cPkd0nl8bHLt176YwsBVBZk2IfLRTJT_/view?usp=sharing)