



# TQS Project - MedEx/ExDelivery

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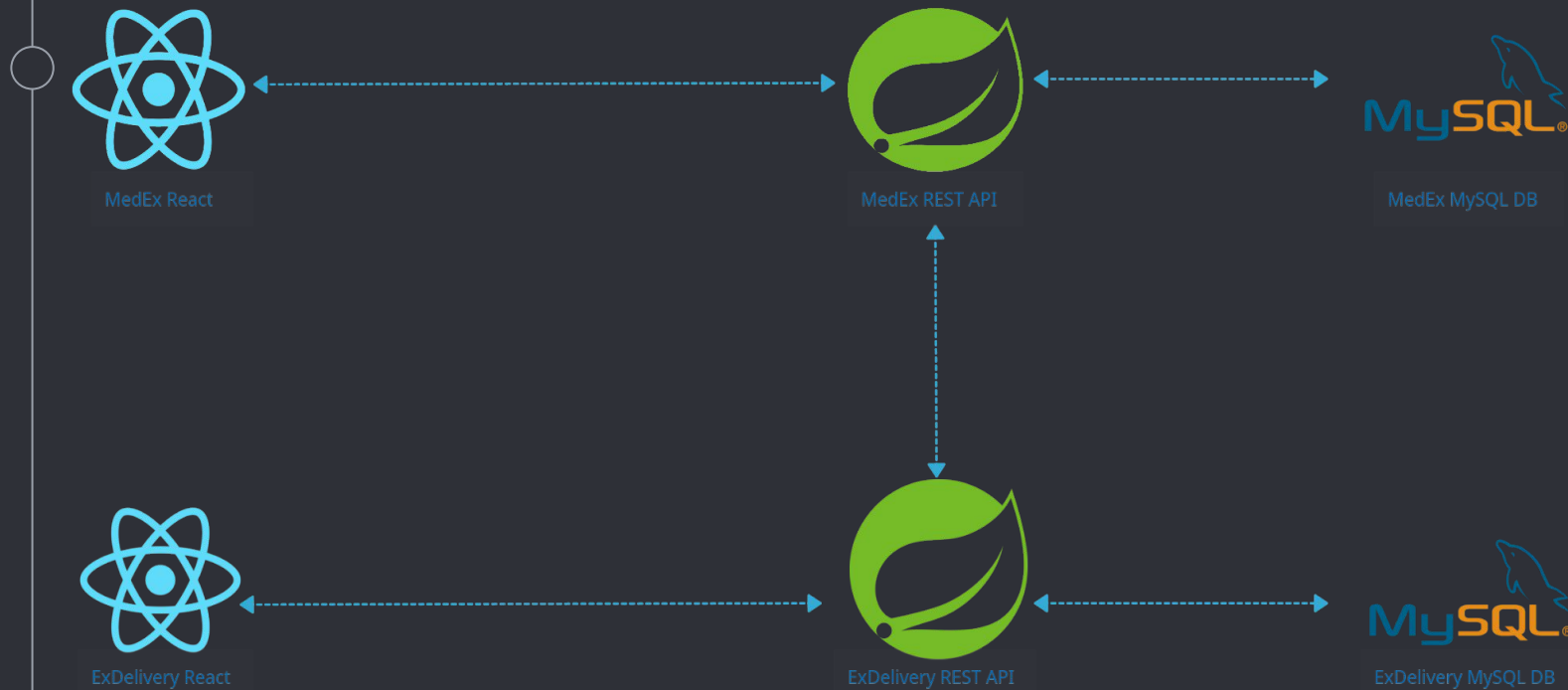
## ● Concept



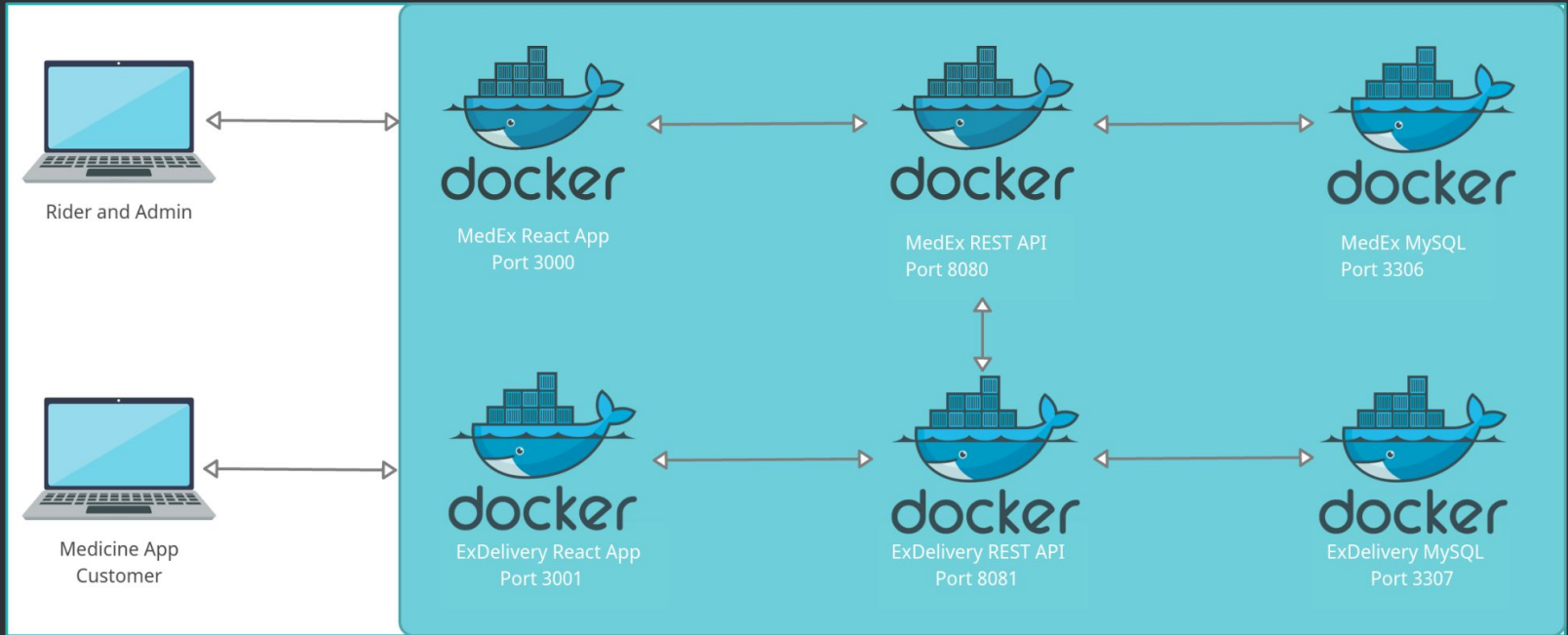
ExDelivery is a delivery platform that works for many companies, providing them a easier way of delivering their products to the customers.

MedEx is one of those companies. It provides medicines that will be delivered using ExDelivery Couriers.

## System Architecture



## Deployment Diagram



# Software Quality Assurance(SQA)

✓ **BrunosBastos** approved these changes 16 days ago [View changes](#)

backend/src/main/java/tqs/medex/pojo/SupplierPOJO.java Outdated Hide resolved

```
18 + @Size(min = 4, max = 50)
19 + private String name;
20 +
21 + @DecimalMin(value = "-200.00", message = "Latitude Cannot be less than -200.0")
```

**BrunosBastos** 16 days ago Owner ...  
Latitude and Longitude values are [-90,90] and [-180,180] respectively. Although not very important, might want to be consistent.

**DanielGomes14** 15 days ago • edited Author Collaborator ...  
My mistake I will now do the appropriate Changes!

**DanielGomes14** 15 days ago Author Collaborator ...  
I added now the Changes, check the new push

Code Review on Pull  
Requests

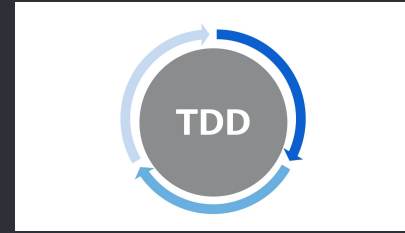
Conditions on Overall Code				
Conditions on Overall Code apply to long-lived branches only.				
Metric	Operator	Value	Edit	Delete
Code Smells	is greater than	10	<a href="#">Edit</a>	<a href="#">Delete</a>
Coverage	is less than	80.0%	<a href="#">Edit</a>	<a href="#">Delete</a>
Duplicated Lines (%)	is greater than	3.0%	<a href="#">Edit</a>	<a href="#">Delete</a>
Maintainability Rating	is worse than	A	<a href="#">Edit</a>	<a href="#">Delete</a>
Reliability Rating	is worse than	A	<a href="#">Edit</a>	<a href="#">Delete</a>
Security Hotspots Reviewed	is less than	100%	<a href="#">Edit</a>	<a href="#">Delete</a>
Security Rating	is worse than	A	<a href="#">Edit</a>	<a href="#">Delete</a>

Static Code Analysis  
Quality Gate

- Software Quality Assurance(SQA)



Google Coding Style



TDD and BDD



- CI/ CD Pipelines



GitHub Actions

On Push:

1. Unit and IT Tests, Static Code Analysis

On Pull Request to Master Branch:

2. Docker Images Build and Images Push to Github Image Registry
3. Run Up docker-composes services.





Thanks!

○ ANY QUESTIONS?

- Performances Tests - JMeter

	Avg Latency(ms)	Throughput(.0/hour)	Std. Deviation(%)
ExDelivery API (GET /api/v1/products)	10	20	7
Medex API (GET api/v1/couriers)	30	15	10
ExDelivery Web App (GET /)			
MedEx Web App (GET /)			

Tests Ran with 500 threads  
(Users)