IRC x T

IRC Logistic

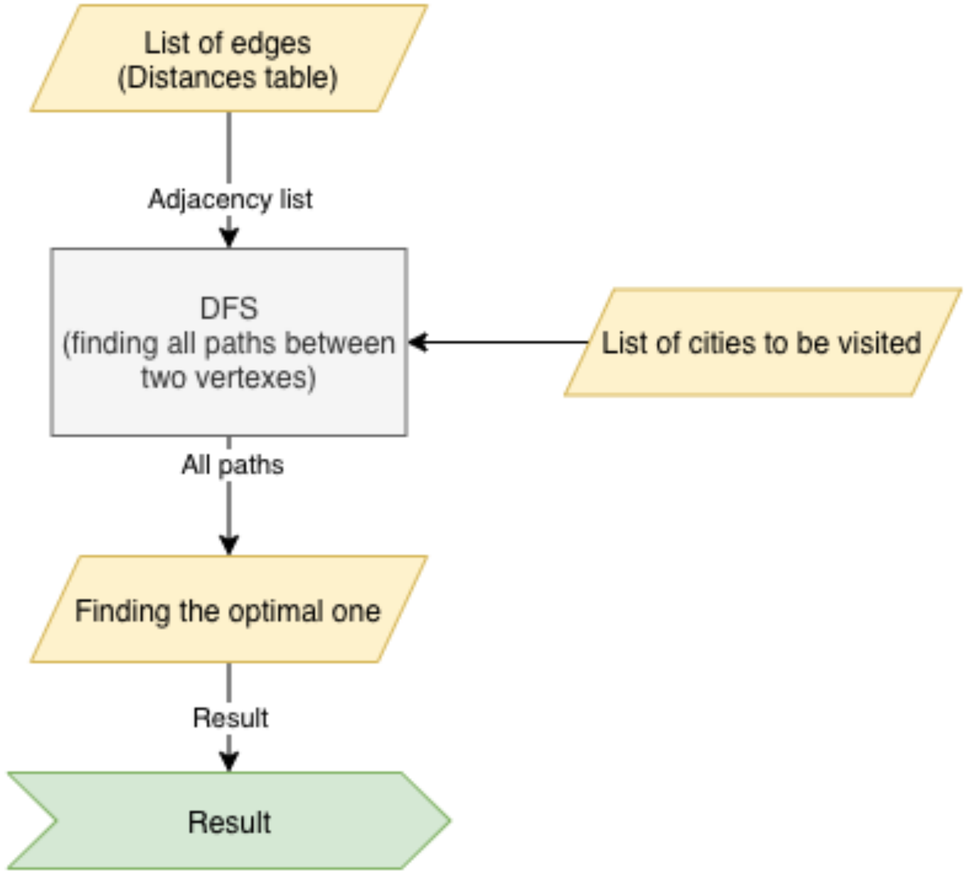
Author: Ivan Rud

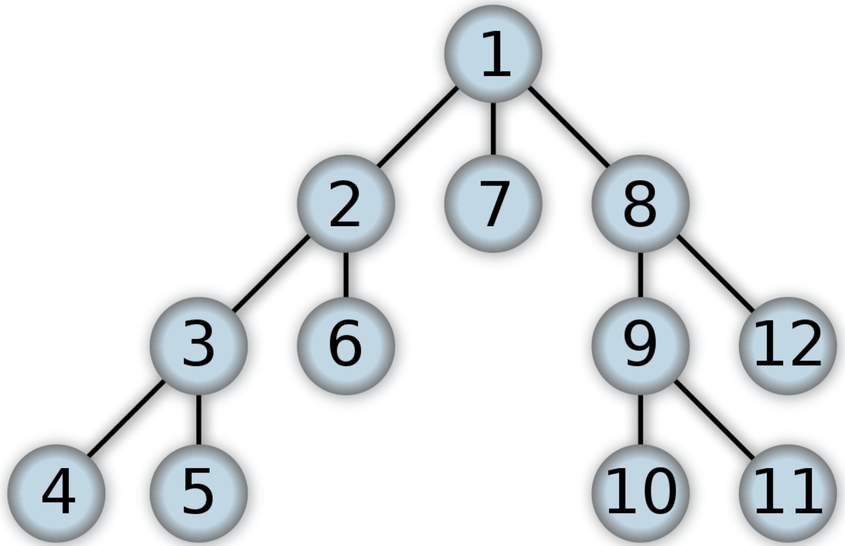
IRC x T

Business solution services

Google Maps APIs

Pathfinding Algorithm





DFS

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External services

Database service: MySQL

MQ broker: RabbitMQ

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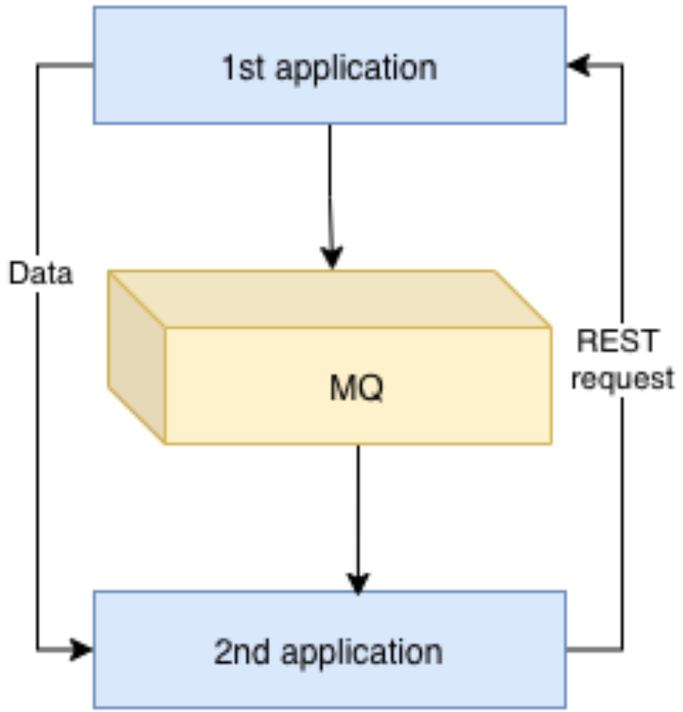
Applications communication

1st Application:

- Sending triggers
- REST Controller

2nd Application:

- Listening MQ for triggers
- Sending REST requests



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Utils

Logging: lombok @Slf4j

Documentation: javaDoc

Testing: Mockito, JUnit

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Testing example

```
@Test
void getRestingTest() {
    List<Driver> drivers = new ArrayList<>();
    Mockito.when(dao.getResting()).thenReturn(drivers);
    Assertions.assertEquals(service.getResting(), drivers.stream()
            .map(entity -> mapper.map(entity, DriverDto.class)).collect(Collectors.toList()));
}
```

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Technologies used

First application

- IDEA
- Tomcat
- MySQL DB
- Maven
- Hibernate
- Spring Framework
- JSP
- Telegram Bot API
- Google Maps API
- CloudAMQP
- Mockito

Second application

- IDEA
- Maven
- Wildfly
- EJF
- JSF
- CloudAMQP
- Web Services

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Features

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Docker

Containers:

- Tomcat
- MySQL DB
- RabbitMQ

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Cloud

Local MySQL database → Remote MySQL database

Local message queue → Remote message queue

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Cloud

Deploying via **Heroku CLI:** all steps are described in TSD

Application: http://ircargo.world

TSD: http://tsd.ircargo.world

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Gitlab CI/CD

Jobs:

- SonarCloud scanner

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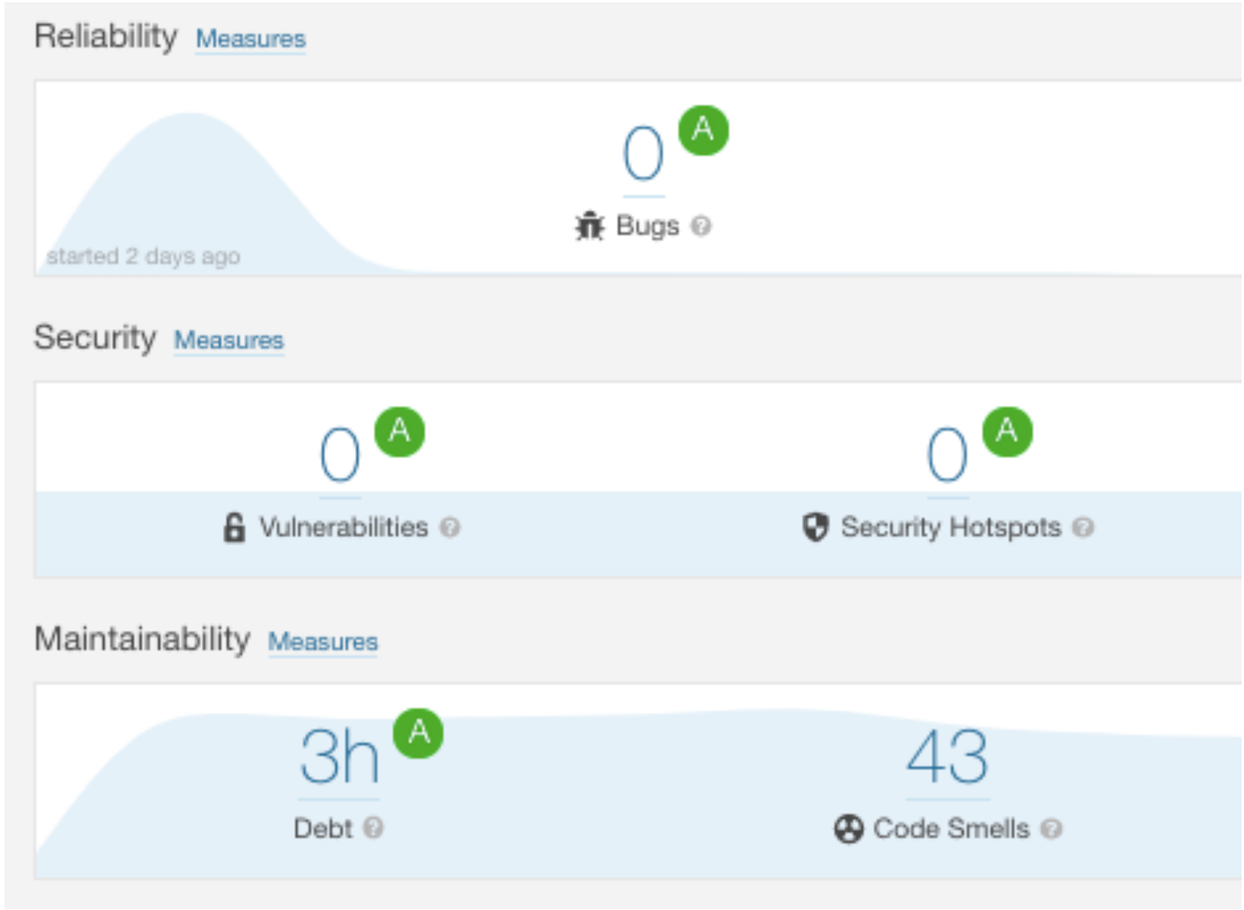
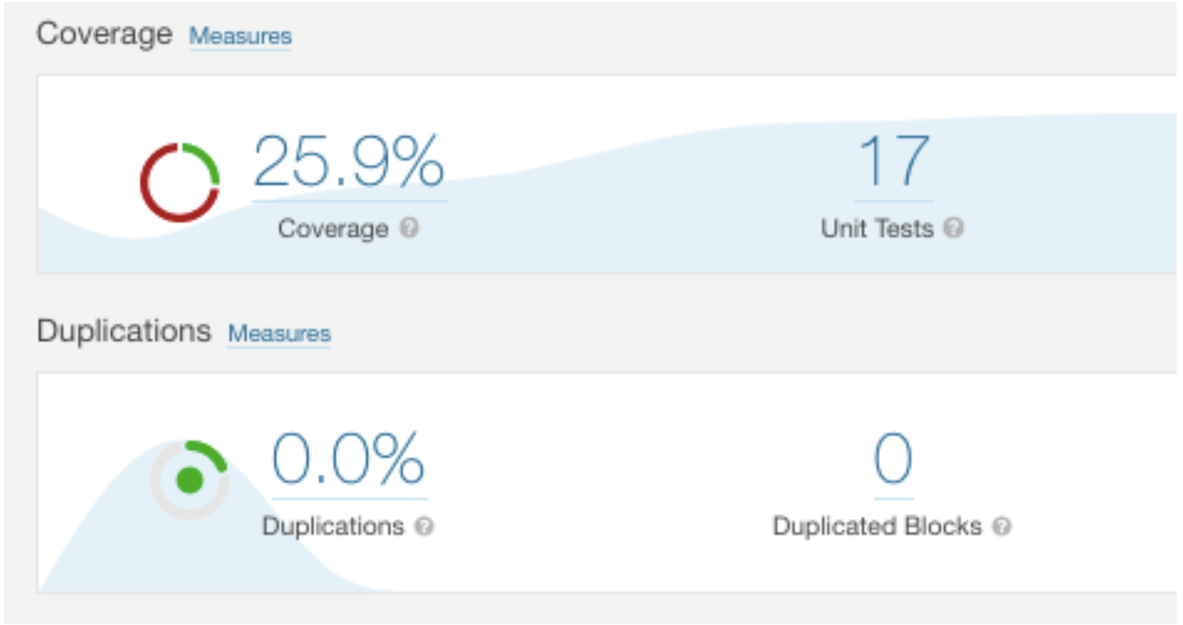
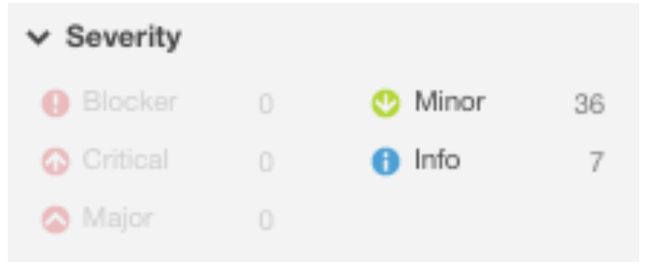
SonarCloud







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Technical solution description

http://tsd.ircargo.world

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Repositories

Logiweb (1st app): http://logiweb.ircargo.world

Dashboard (2nd app): http://dashboard.ircargo.world

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Summary

Features technologies

- Docker
- Heroku Cloud
- Gitlab CI/CD
- SonarCloud
- Confluence

Weblinks

- Application: http://ircargo.world
- TSD: http://tsd.ircargo.world
- Logiweb Rep: http://logiweb.ircargo.world
- Dashboard Rep: http://dashboard.ircargo.world

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Thanks!

@vnrdd

/ivanrud