

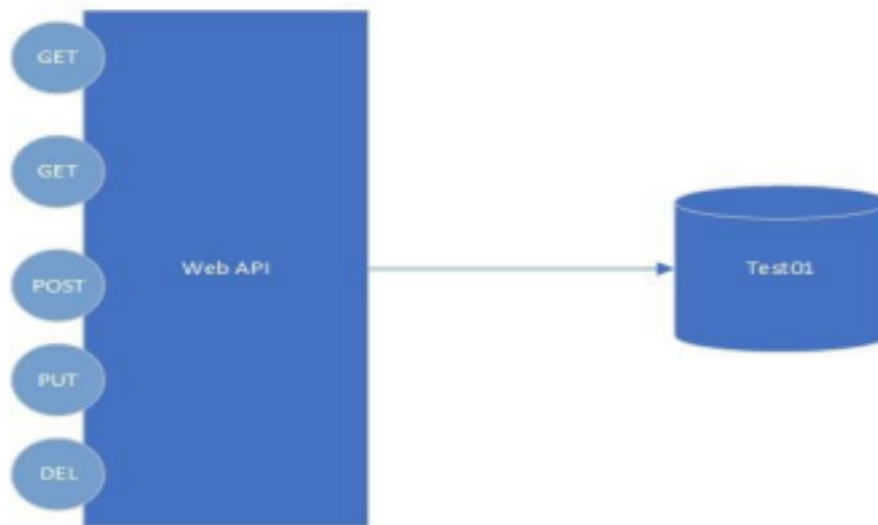
Instruction Test

Waktu pengerjaan : **1x24 jam**

Source code : **dikirim via github, zip file, bitbucket**

Node.js

Task 1



Task 1:

buat Web API service untuk fungsi CRUD ke database MariaDB.

memiliki 5 fungsi API:

- GET by Id
- GET list by page (dibatasi 1 page 20 data)
- POST tambah data
- PUT edit data
- DELETE hapus data

Data:

Table: Test01

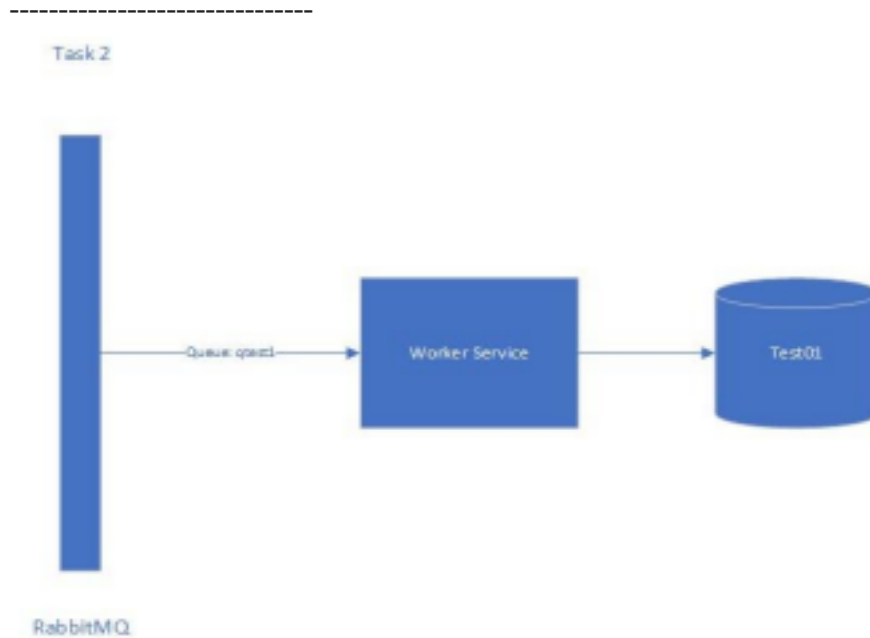
Id int primary key auto-increment

Nama varchar(100)

Status small int

Created datetime

Updated datetime



Task 2:

buat worker service rabbitmq untuk menerima data dari queue qtest1.

format message:

```
{
  "command": "create",
  "data": {
    "Nama": "Ini Budi",
    "Status": 1
  }
}
```

fungsi worker:

- command create: insert data
- command update: update data
- command delete: delete data

Data (mariadb):

Table: Test01

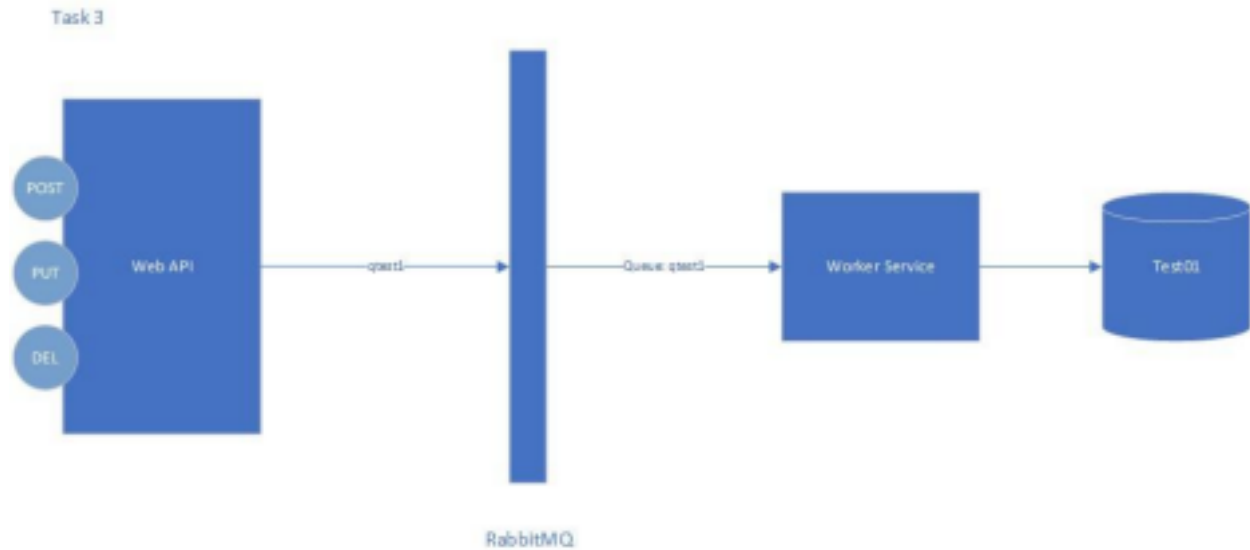
Id int primary key auto-increment

Nama varchar(100)

Status small int

Created datetime

Updated datetime



Task 3:

buat Web API service untuk fungsi CRUD ke rabbitmq.

memiliki 3 fungsi API:

- POST tambah data. kirim message command: create ke rabbitmq queue qtest1 (task 2)
- PUT edit data. kirim message command: update ke rabbitmq queue qtest1 (task 2)
- DELETE hapus data. kirim message command: delete ke rabbitmq queue qtest1 (task 2)