**Title:** Transport Management System

**Expected Finish Date:** 2022-11-30

**Author:** Arymurti Santosa

**Related components:** List\_of\_transport\_services.pdf

**External Link:**

**Approvers:** <people expect to approve>

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Yes|NotYet** | **Approved Date** | **Remarks** |
| Logistic Manager | Not Yet | <YYYY-MM-DD> | - |
| Data analyst | Not Yet | <YYYY-MM-DD> | - |
| Operation Staff | Not Yet | <YYYY-MM-DD> | - |

**Others Reviewer(s):** <written by people who comments>

**Start Date:** YYYY-MM-DD

## Summary

## Problem & Motivation

Diperlukan sistem manajemen untuk transportasi produk pakan eFishery, khususnya pada eMall. Hal ini dikarenakan *supply chain* perlu disesuaikan *demand.* AWS IoT digunakan untuk melacak lokasi setiap transportasi dan memberikan data yang sesuai untuk jumlah *supply* yang dibawa.

## Detailed design

Database Design

**Table 1. Initial\_Identifier**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Required** | **Description** |
| database\_id | serial | yes | id for each new data row |
| user\_id | varchar | yes | id for user admin |
| is\_active | boolean | yes | Status untuk aktifnya id ini |
| created\_date | timestamptz | no | Waktu data dibentuk |
| modified\_date | timestamptz | no | Waktu data diubah |

**Table 2. Admin\_Credential**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Required** | **Description** |
| user\_id | int | yes | id for user admin |
| username | varchar | yes | username |
| Password | varchar | yes | password |
| Last\_login | boolean | no | login terakhir |

## **Table 3. Admin\_Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Required** | **Description** |
| user\_id | int | yes | id for user admin |
| name | varchar | no | nama admin |
| admin\_email | varchar | no | email admin |
| admin\_phone | int | no | No. telephone admin |
| assigned\_troop\_id | int | yes | id untuk grup transportasi yang diberikan kepada admin |

**Table 4. Transport\_Group**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Required** | **Description** |
| assigned\_troop\_id | int | yes | id grup transportasi |
| driver\_id | int | yes | id untuk driver |
| transport\_service | varchar | no | tipe servis (JNE, TIKI, SiCepat, J&T) |

**Table 5. Driver\_Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Required** | **Description** |
| driver\_id | int | yes | id driver |
| nama\_driver | varchar | yes | nama driver |
| driver\_phone | int | yes | kontak driver |
| vehicle\_type | varchar | no | tipe kendaraan (Pick up, CDE, CDD, Kontainer, etc) |
| is\_active | boolean | yes | Informasi untuk aktifnya driver (Yes or No) |
| tracking\_id | int | yes | Tracking id untuk lokasi kendaraan |
| payload\_id | int | yes | Identifier untuk payload/barang yang dibawa |
| progress\_status | varchar | yes | Status progres driver (apakah Standby? On the way? Package delivered? |

**Table 6. Payload\_Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Required** | **Description** |
| payload\_id | int | yes | Identifier untuk payload/barang yang dibawa |
| payload\_name | varchar | yes | Deskripsi payload/barang dibawa |
| payload\_qty | int | yes | Jumlah payload/barang |
| transport\_date | timestamptz | yes | Tanggal payload dikirim |
| delivered\_date | timestamptz | no | Tanggal payload terkirim |
| payload\_warehouse | varchar | yes | Asal warehouse payload/barang |
| delivery\_address | varchar | yes | Alamat pengiriman payload |

**Table 7. Tracking\_Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Required** | **Description** |
| tracking\_id | int | yes | Tracking id untuk lokasi kendaraan |
| speed | float | No | Kecepatan kendaraan dengan speedometer |
| longitude | double | No | Longitude kendaraan dengan GPS |
| latitude | double | No | Latitude kendaraan dengan GPS |

Flowchart

## Dependencies

## Milestone/Deployment Strategy

## Data Result

## Drawbacks/Risks

## Alternatives

## Unresolved/Future Possibilities