

User Groups



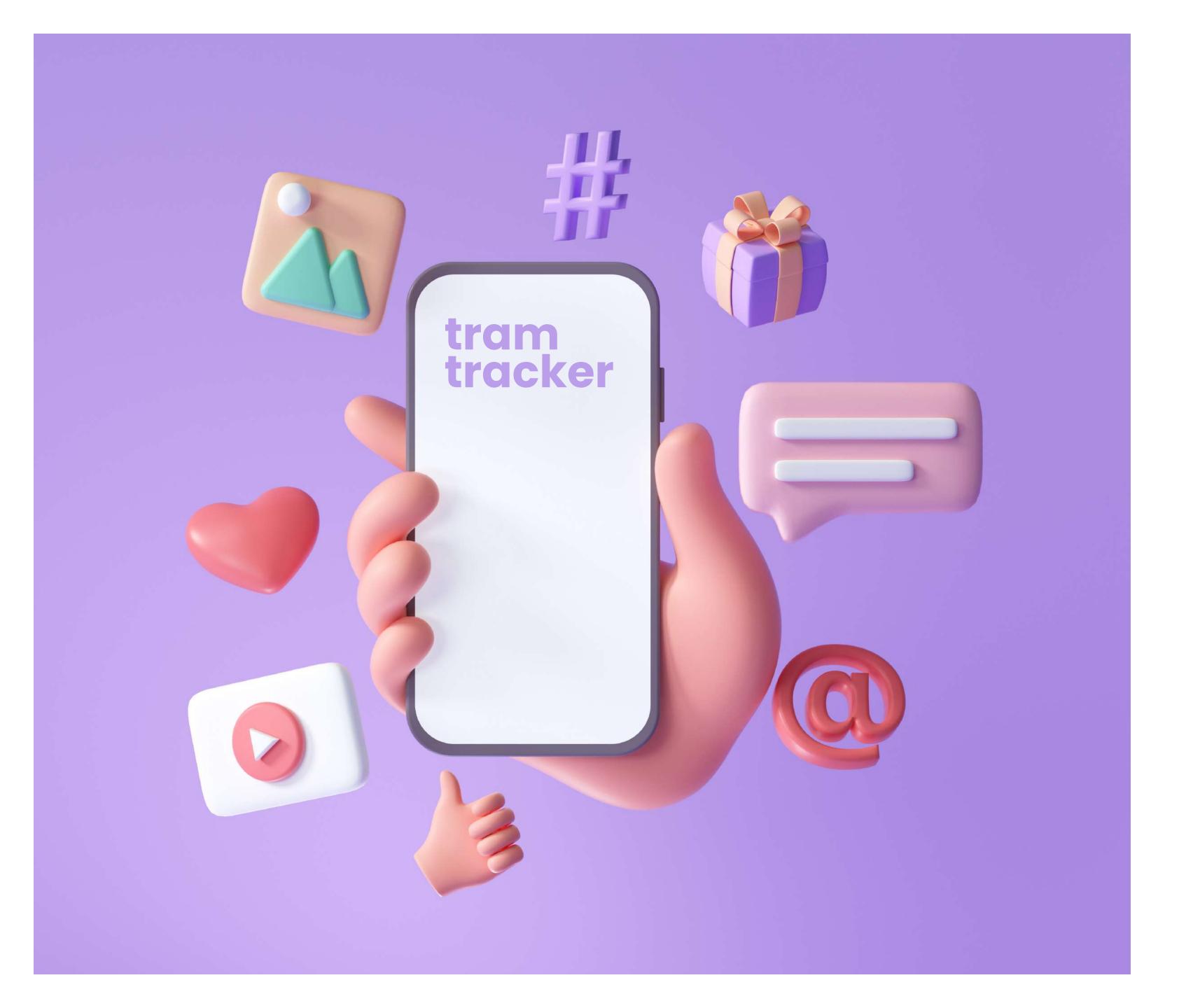
Passenger



Driver



Admin



System Feature

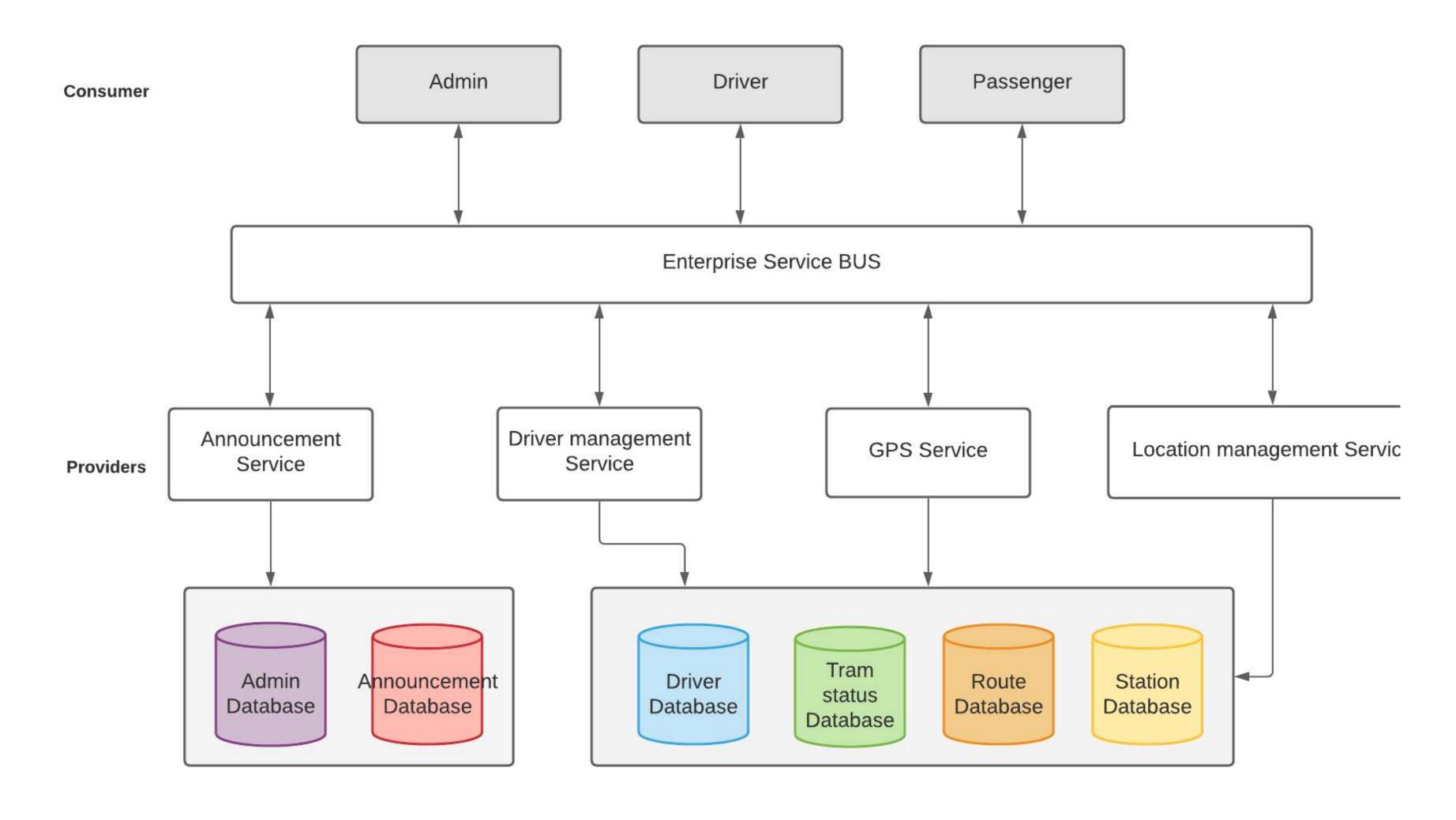
Notification of arrival Realtime Tracking Route Searching

Driver Schedule

Route Changing Announcement System Driver Management



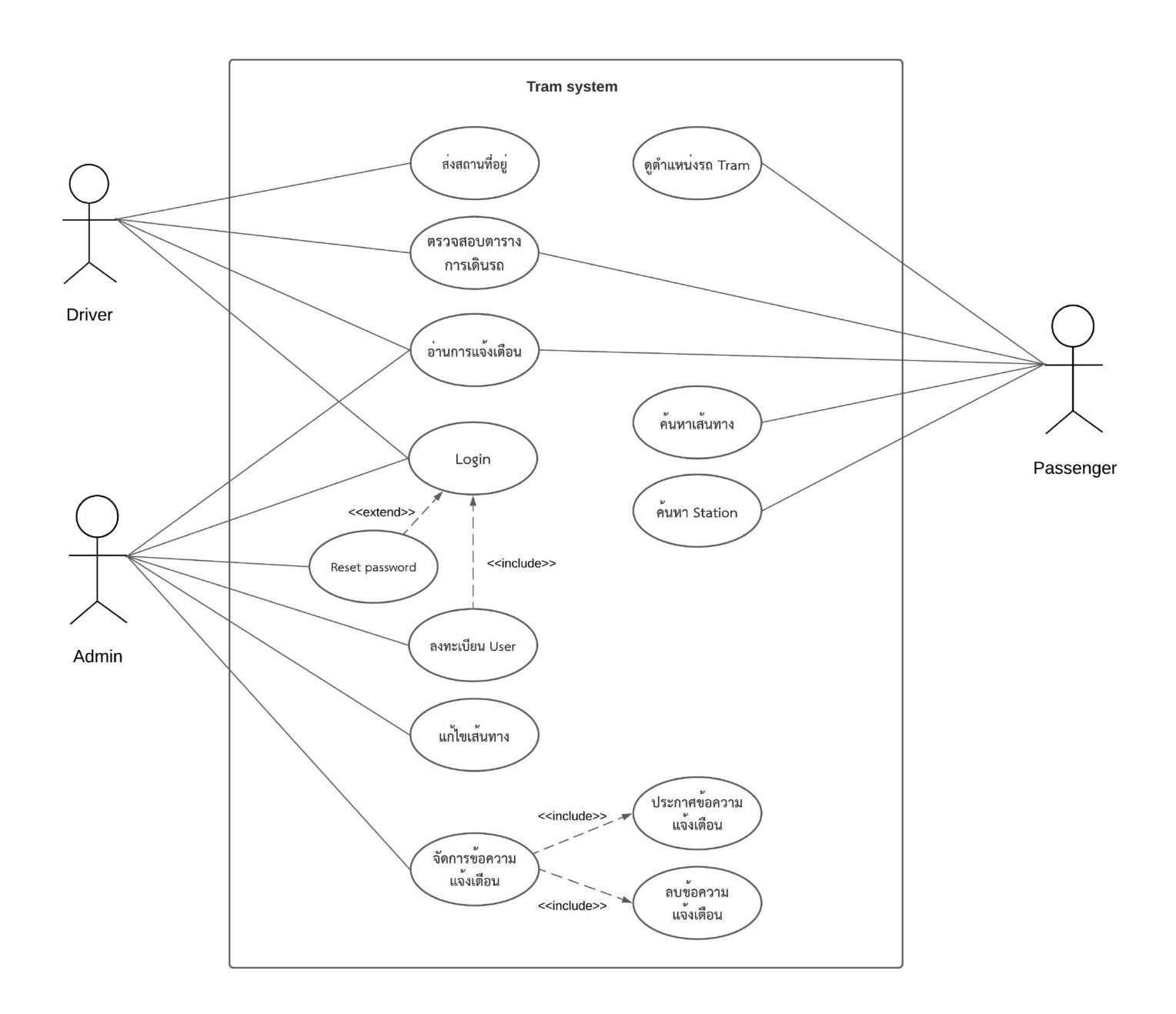
Architecture Service-oriented architecture





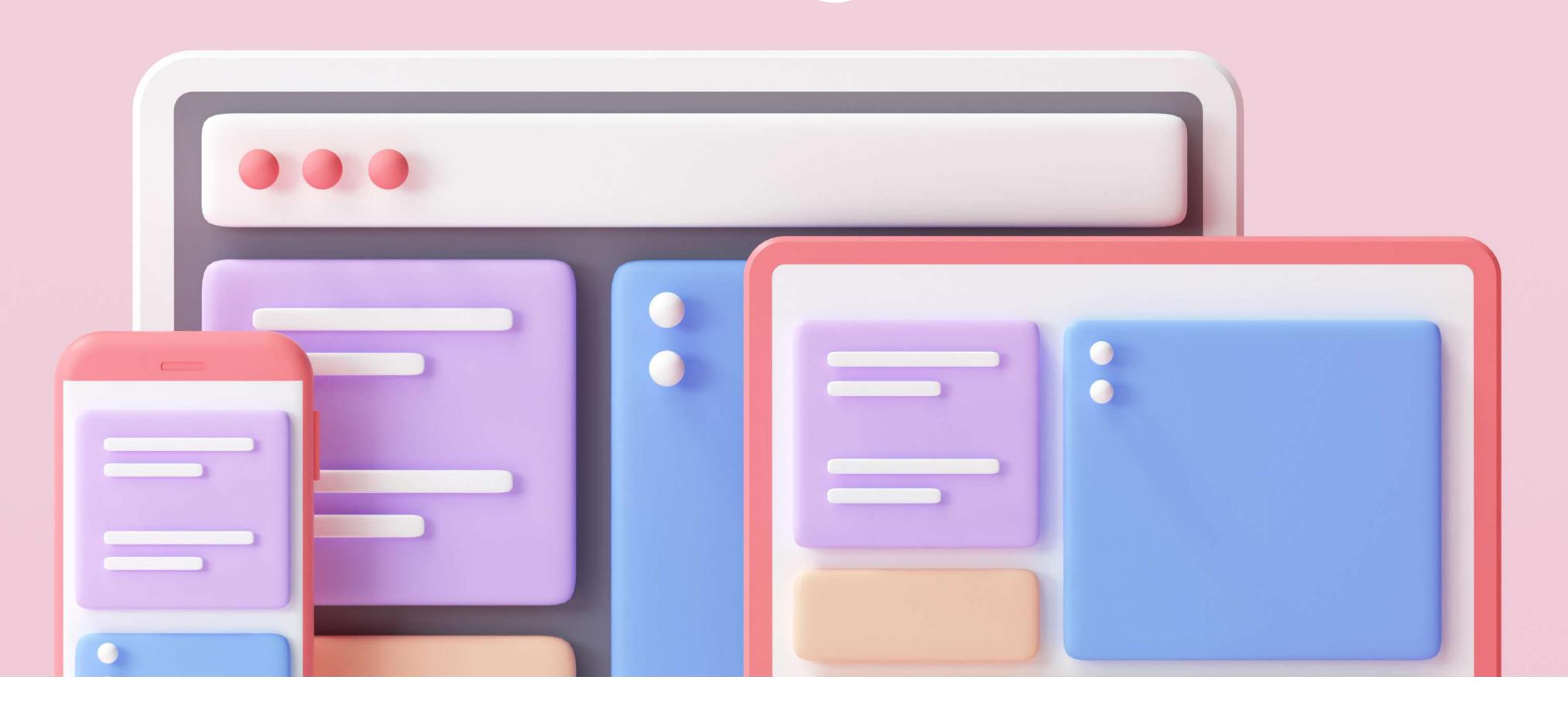
Software Analysis

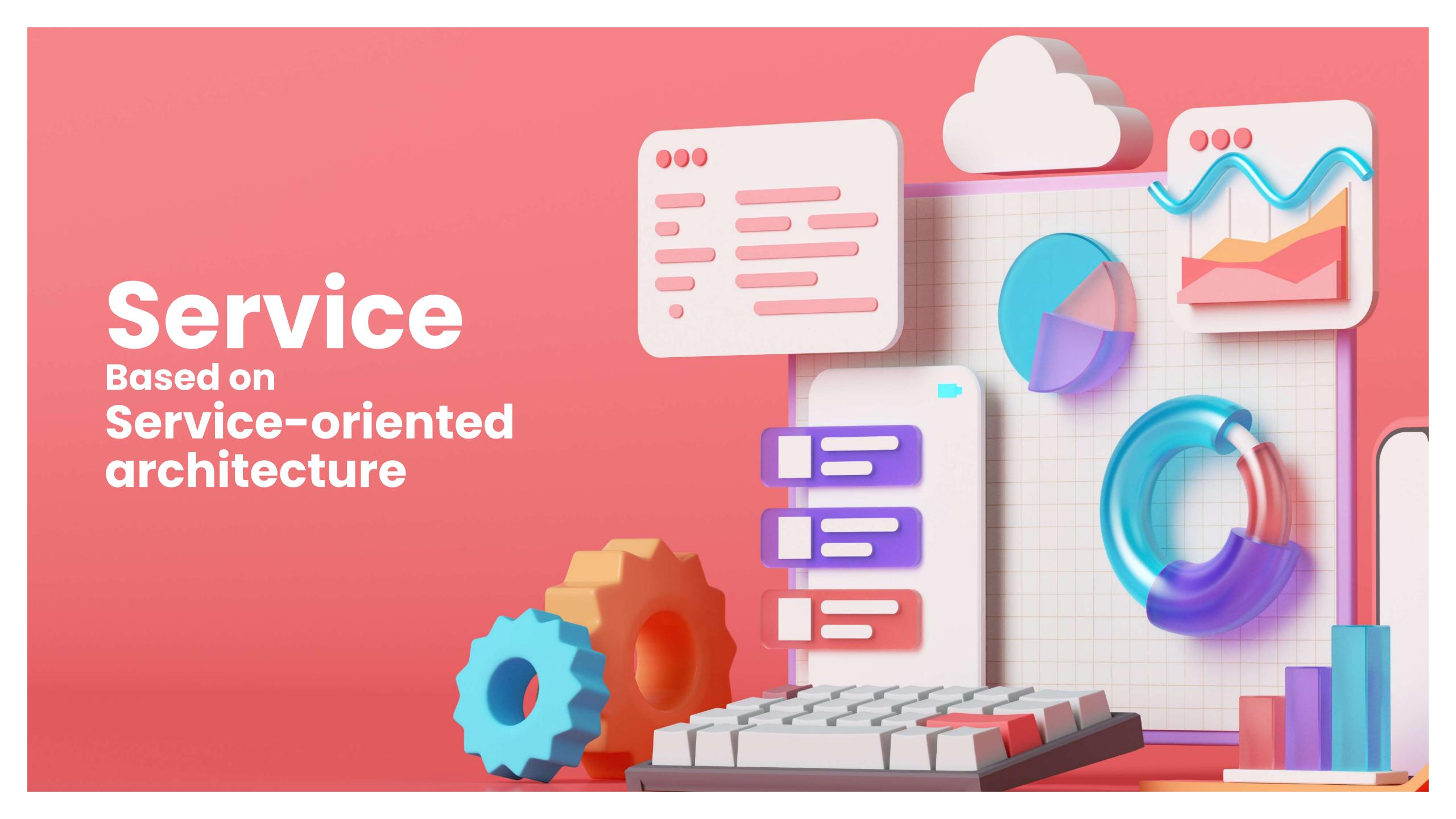
Use Case Diagram



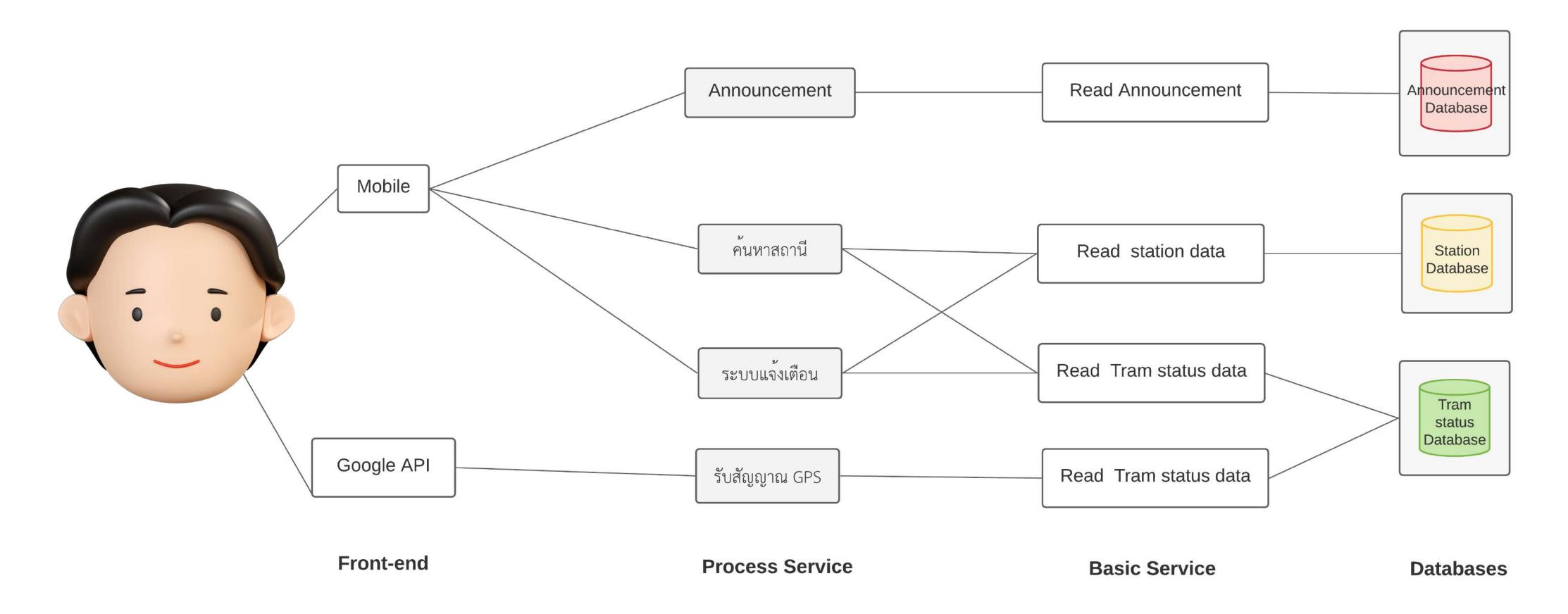
UML

Software Design

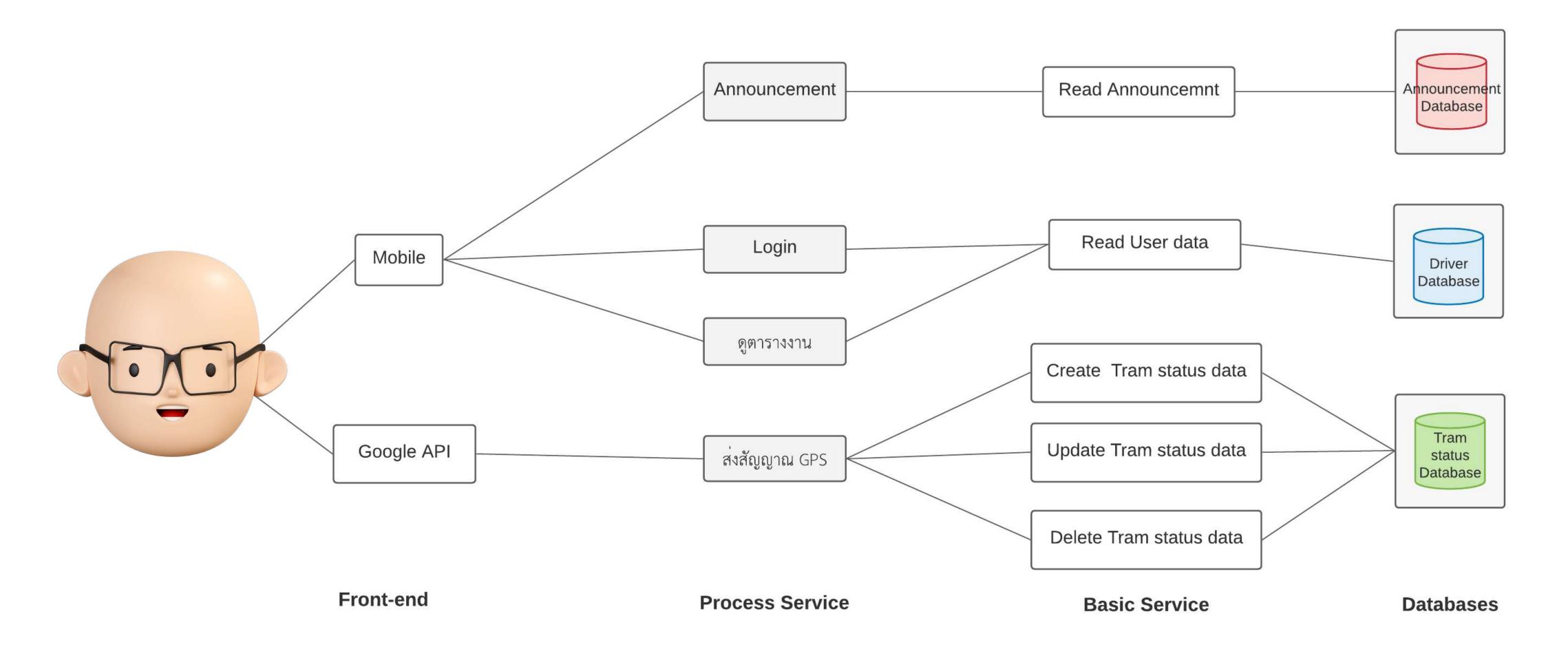


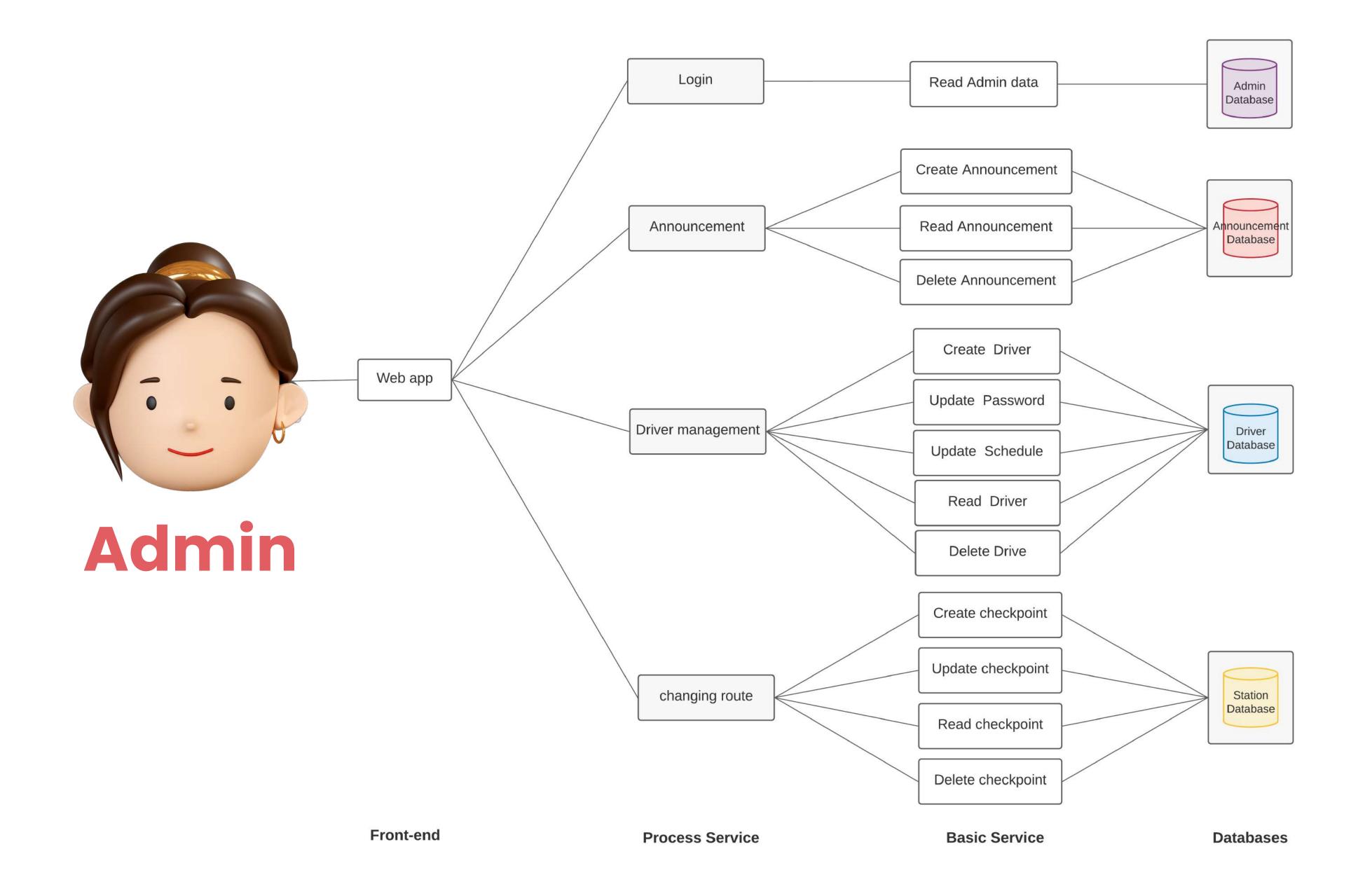


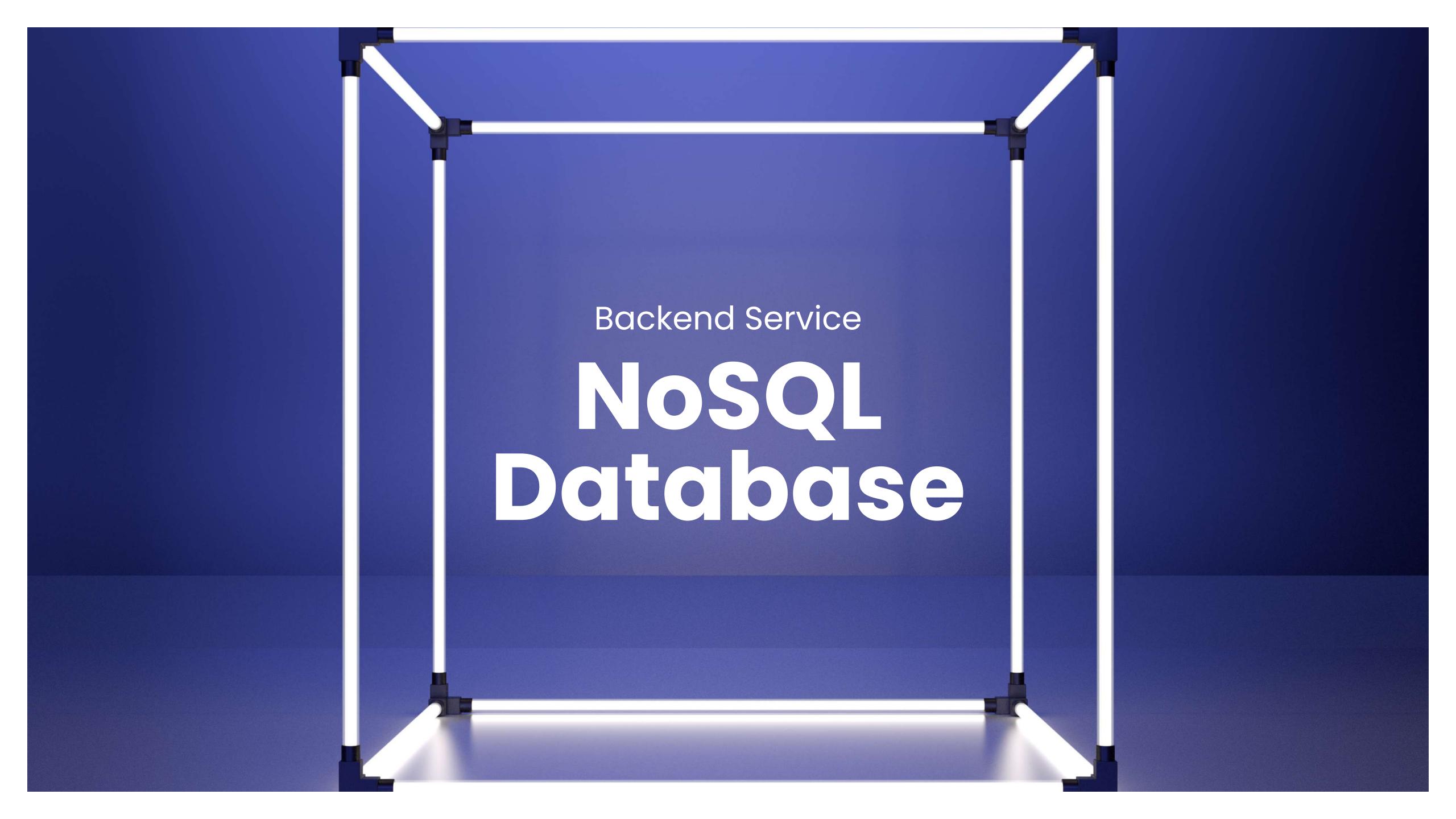
Passenger



Driver Briver







Station

Driver

```
"_id": {
      "$oid": "61a00d228537d8805064b87e"
 },
 "username": "driver001",
 "password": "123456",
 "name":
            "fname",
 "tasks": [
{"day":"mon", "start": "06:00", "end": "12:00", "line": "red"},
{"day":"tue", "start": "06:00", "end": "12:00", "line": "red"}
```

Tram

```
"_id":{
   "$oid":"619e753ad69c0e181ef61ac1"
},
"id": "g100",
"color":"green",
"deviation": 5.00
"loc":{
   "lat":13.7944705,
   "lon":100.3230998
},
"status":"online",
"driver_id":{
  "$oid": "61a00d228537d8805064b87e"
```

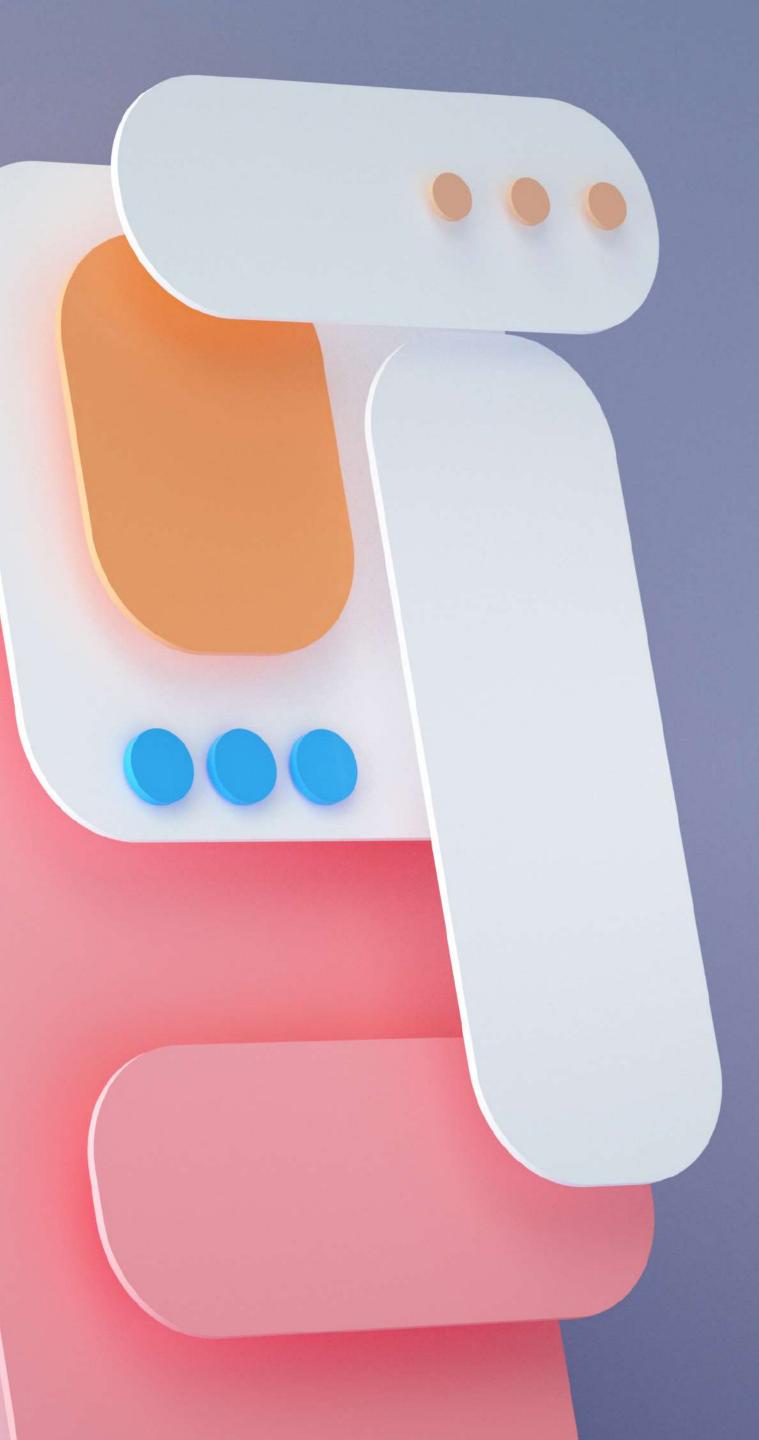
Route

```
"_id": {
                                          "lat": 13.7957852,
                                          "lon": 100.3239707
    "$oid": "61a013948537d
             8805064b8c8"
"color": "green",
                                   "lat": 13.7960521,
"releasing_time: "07:45",
                                  "lon": 100.3239801
"station":["Faculty of
            Engineering
            Building 3",
"coordinates":[
   "lat": 13.7944705,
    "lon": 100.3230998
```

Admin

Announcement





Application Platforms

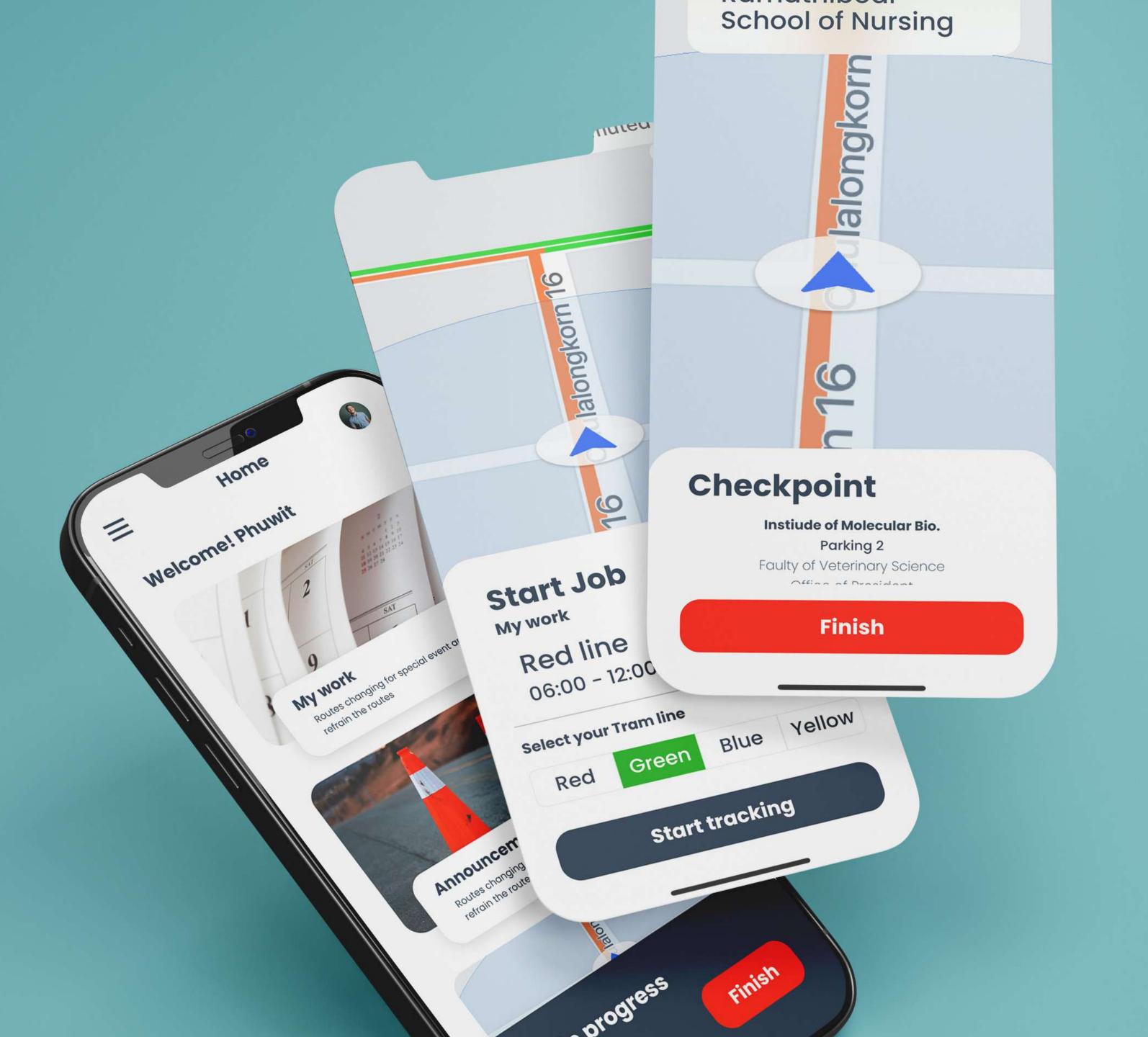
Mobile Web

Passanger Driver

Admin



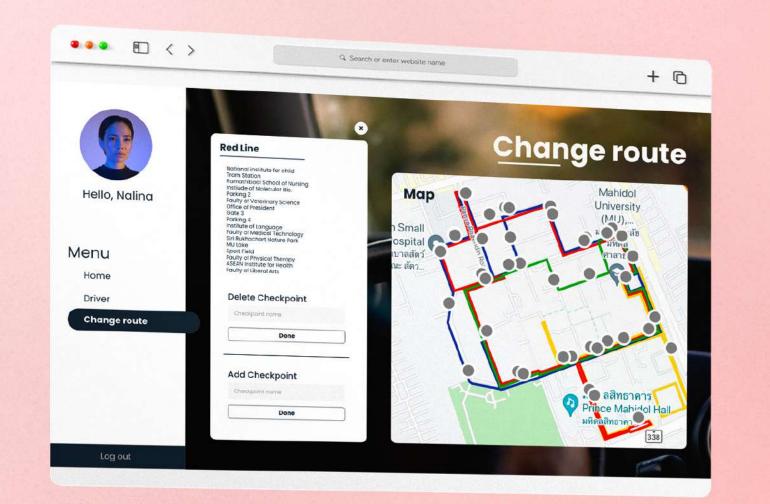


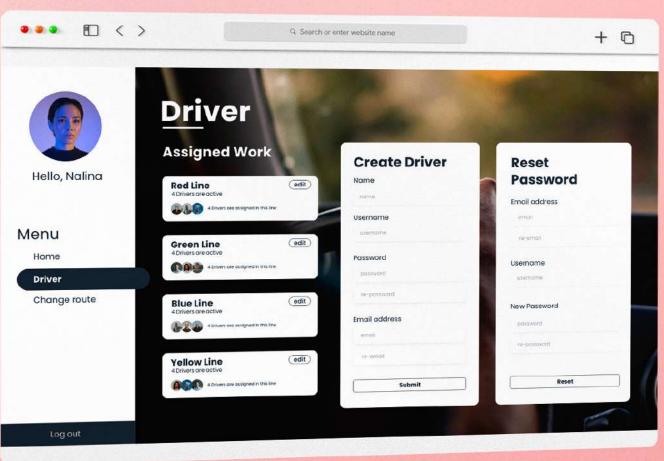


Tracking Feature

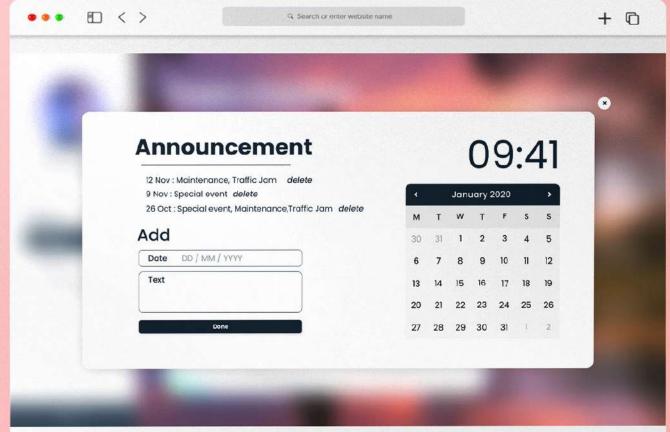
Driver Mobile App

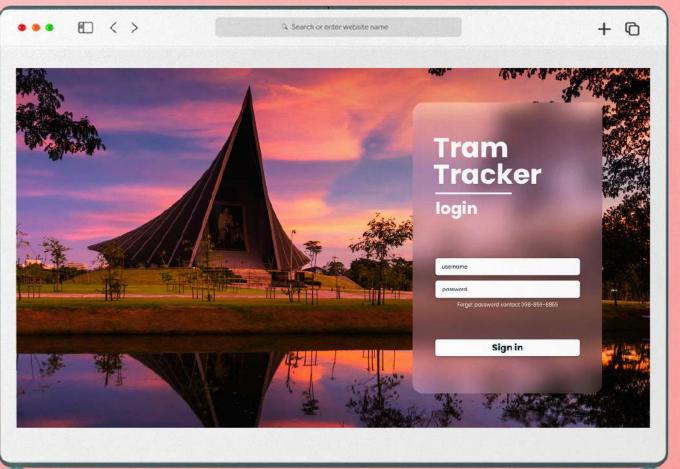
Admin Melo App



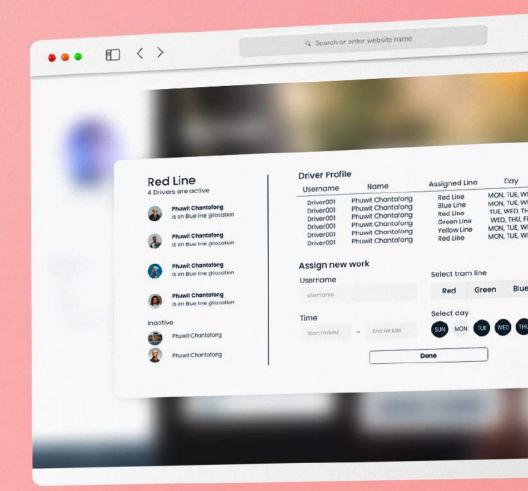


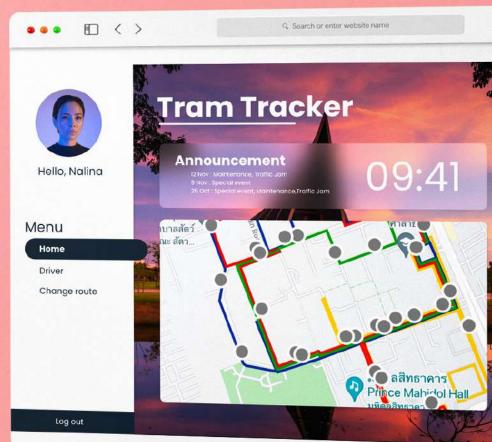


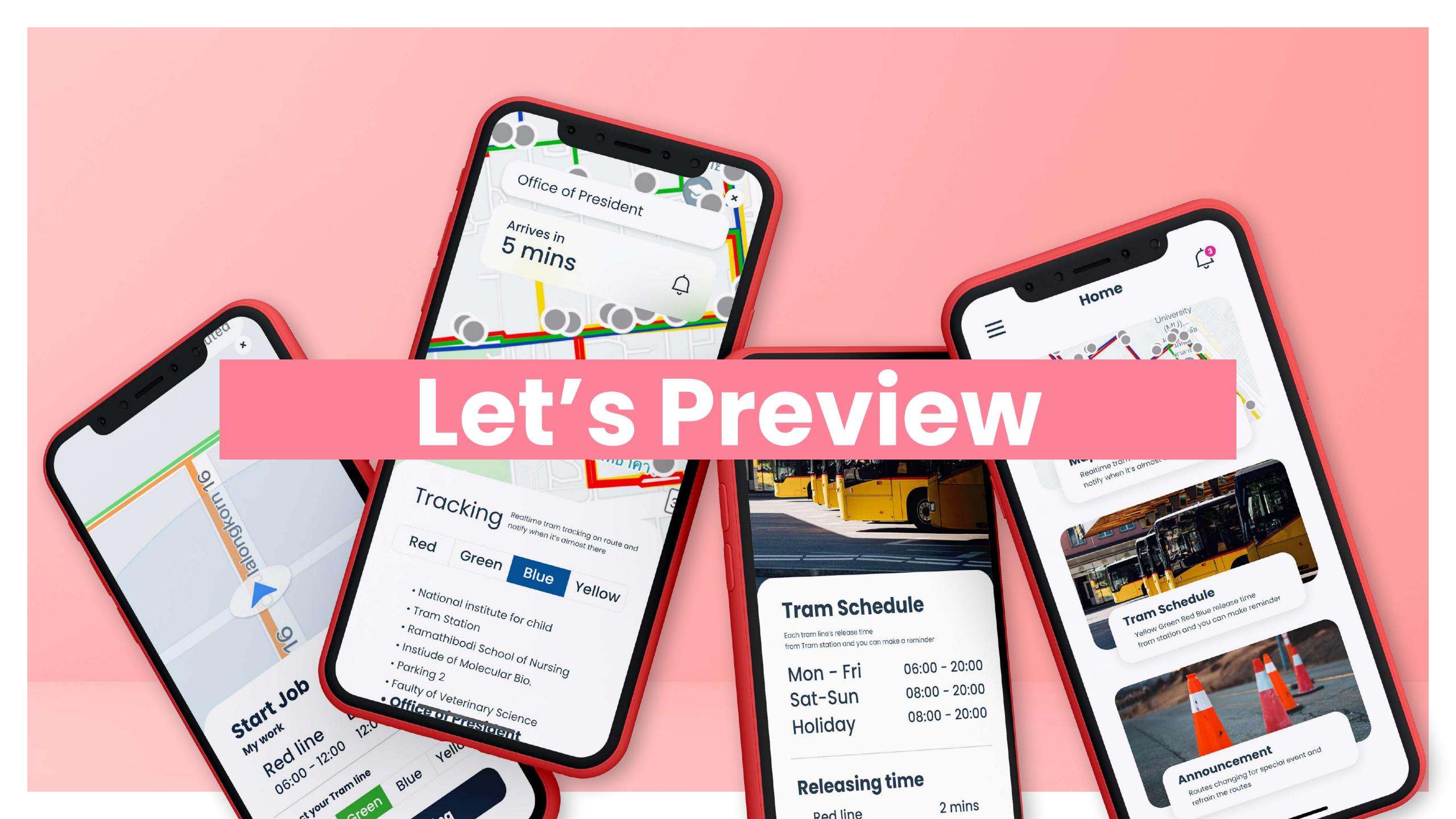














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