



**FAKULTI TEKNOLOGI DAN KEJURUTERAAN ELEKTRONIK DAN
KOMPUTER**

PROF. MADYA DR SOO YEW GUAN

BERR2243

DATABASE AND CLOUD SYSTEM

BERR S5

**MAXIMDB USE-CASE DIAGRAM AND RESTFUL API TABLE
GROUP C**

NO.	NAME OF STUDENT	MATRIX NO.
1	MUHAMMAD ALI BIN HASNAIN ZAFAR	B122320036
2	AHMAD ALIEF IRFAN BIN ROSLAN	B122320012
3	MUHAMMAD ZAWAII BIN ASLARI EFFENDY	B122320056

FEATURES

➤ **Admin**

- Block or Unblock User (Driver/Customer)
- View System Analytics

➤ **Customer**

- Register
 - Create Profile
 - View Profile
 - Update Profile
 - Delete Profile
- Login
- Manage Ride:
 - Create New Ride
 - Update Ride
 - Check Ride Status
 - Delete/Cancel Ride
- Rate Driver

➤ **Driver**

- Register
 - Create Profile
 - View Profile
 - Update Profile
 - Delete Profile
- Login
- Manage Ride:
 - Create Vehicle
 - View All Available Rides
 - Accepts a Ride
 - Update Ride Status
 - Delete Vehicle
- View Driver Ratings

USE-CASE DIAGRAM

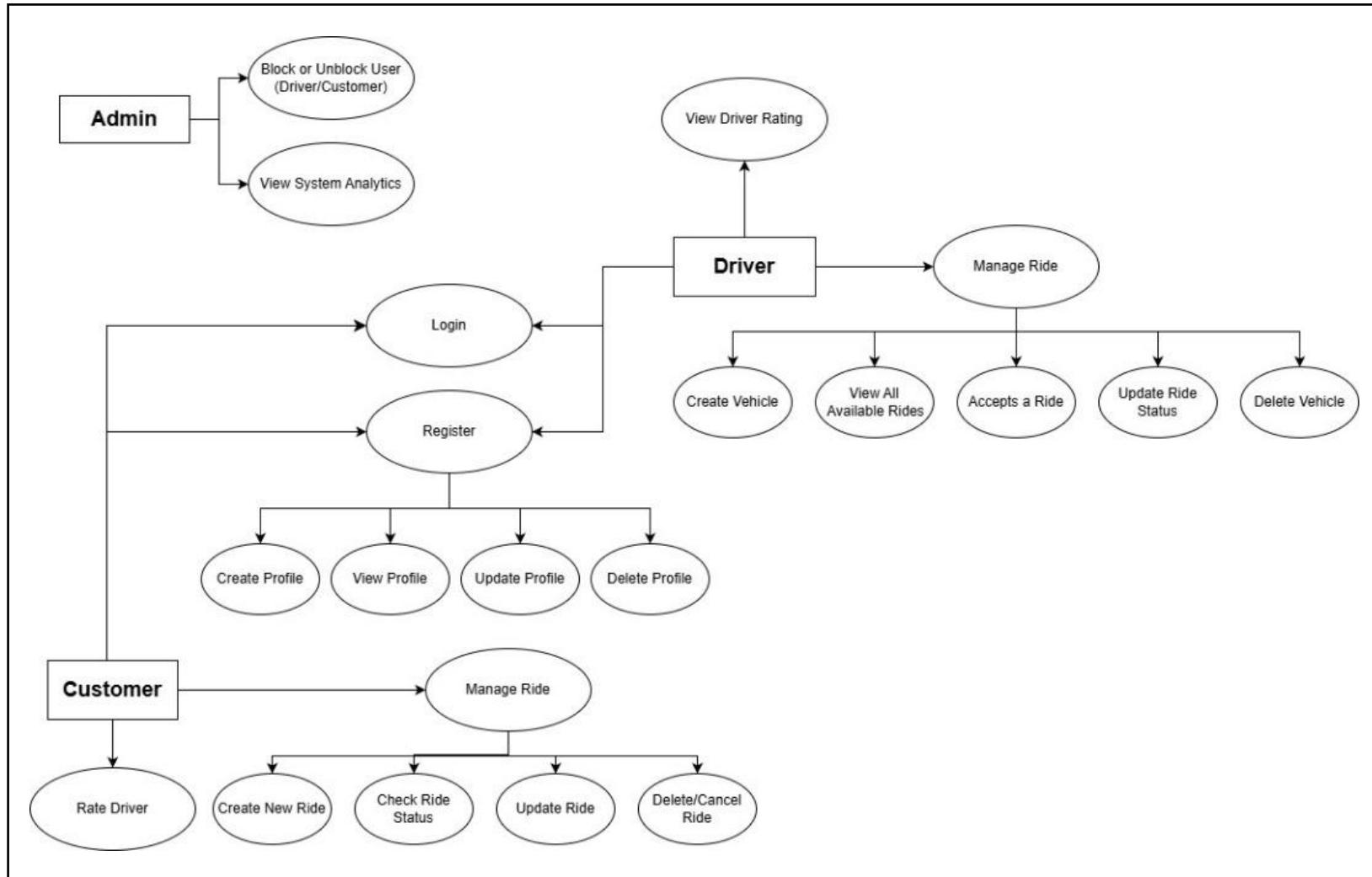


Figure 5: Use-Case Diagram

RESTFUL API TABLE

Use Case	Endpoint	Method	Status Codes
User Registration (Admin/Customer/Driver)	/register	POST	201 Created, 400 Bad Request
User Login (Admin/Customer/Driver)	/login	POST	200 OK, 401 Unauthorized
View Profile (Customer/Driver)	/my-profile	GET	200 OK, 401 Unauthorized
Update Profile (Customer/Driver)	/my-profile	PATCH	200 OK, 401 Unauthorized
Delete Profile (Customer/Driver)	/delete-account	DELETE	200 OK, 404 Not Found, 401 Unauthorized
Creates Vehicle (Driver)	/driver/vehicle	POST	201 Created, 400 Bad Request, 403 Forbidden
Delete Vehicle (Driver)	/driver/vehicle/{id}	DELETE	200 OK, 404 Not Found
Create New Ride (Customer)	/rides	POST	201 Created, 400 Bad Request
View Available Rides (Driver)	/rides/available	GET	200 OK, 404 Not Found, 401 Unauthorized
Accepts Ride (Driver)	/rides/accept/{id}	PATCH	200 OK, 404 Not Found, 401 Unauthorized
Updates Ride	/rides/update/{id}	PATCH	200 OK, 404 Not Found, 401 Unauthorized
Updates Ride Status (Driver)	/rides/status/{id}	PATCH	200 OK, 404 Not Found, 401 Unauthorized
Checks Ride Status (Customer)	/rides/status/{id}	GET	200 OK, 404 Not Found, 401 Unauthorized
Delete/Cancel Ride (Customer)	/cancel-ride/{id}	DELETE	204 No Content, 404 Not Found, 401 Unauthorized
Rate Driver (Customer)	/rate-driver	POST	201 Created, 404 Not Found, 401 Unauthorized
View Driver Rating (Driver)	/driver/{id}/ratings	GET	200 OK, 404 Not Found, 401 Unauthorized
Block or Unblock User (Admin)	/admin/block/{id}	PATCH	200 OK, 500 Internal Server Error
View System Analytics (Admin)	/admin/analytics	GET	200 OK, 401 Unauthorized, 403 Forbidden

Table 1: API Table