**OBJECT ORIENTED ANALYSIS (OOA) AND UML DIAGRAM**

**Authors**

Daniel Collins - 1501375

Shemar Williams – 1704317

Dana-Lee Powell – 1800995

*Classes Identified:*

1. **User**

***Attributes:*** none

1. **Vehicle**

***Attributes:*** license plate number, brand, model, year, color, engine size, transmission, mileage, number of seats, rental status, rate per day

1. **Car**

***Attributes:*** none

1. **Truck**

***Attributes:*** towing capacity

1. **Bike**

***Attributes:*** number of helmets

1. **Rental Information**

***Attributes***: actual return date, expected return date, current mileage, license plate number, days borrowed, total owed, late fee, final cost

1. **Date**

***Attributes:*** day, month, year

*Methods Identified:*

1. View Vehicle
2. Search Vehicles
3. My Rentals
4. Return Vehicle

**A close up of text on a white background

Description automatically generatedUML DIAGRAM SHOWING DESIGN OF SYSTEM**