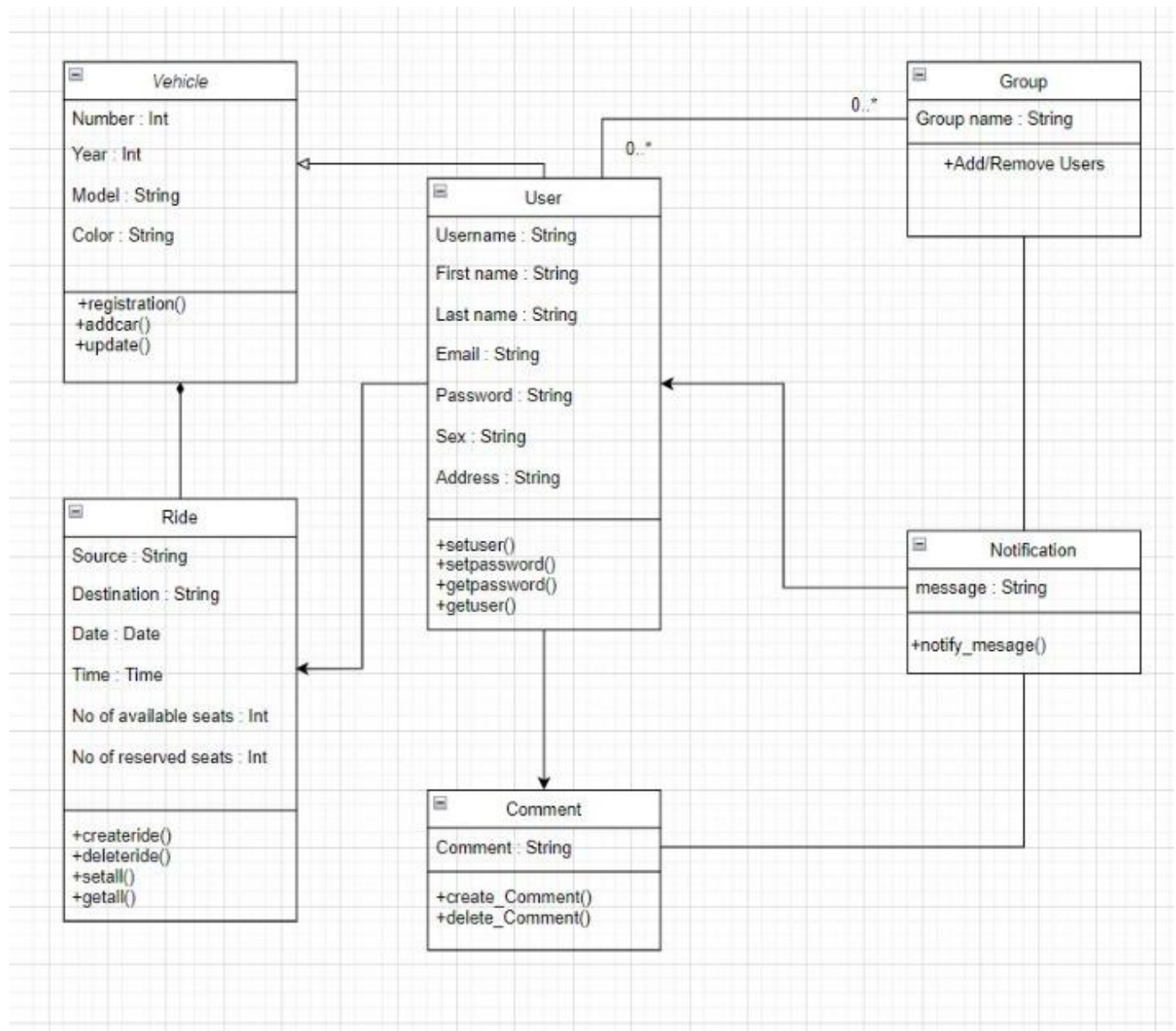


**CIS641: SYSTEM ANALYSIS AND DESIGN**  
**HOMEWORK ASSIGNMENT – 5 (GROUP)**

**Project Name:** Ride Share App

**Team Name:** Team – S

**Class Diagram:**



**Classes Description:**

**Vehicle Class:**

The purpose of vehicle class is to obtain the details of the user's vehicles and take information about the vehicle such as vehicle's make, model, color.

**User Class:**

The purpose of user class is to obtain the details of the user and take information of the user's name, sex, email.

**Ride Class:**

The purpose of ride class is to obtain the details of the particular ride such as destination, date, time and no of seats available for passenger to travel.

**Comment Class:**

The purpose of comment class is that it acts as a flag to a particular ride post. The users comment to a post to express their desire to take the ride or not.

**Group Class:**

The purpose of group class is to make the users form a group that they can communicate to in daily basis.

**Notification class:**

The purpose of the notification class is to send a notification about the ride and the events during the ride.

**Object Diagram:**