|  |  |
| --- | --- |
| Class: User | |
| Responsibilities | Collaborations |
| User details |  |
| Search for available cars | Car |
| Make a reservation |
| Cancel or modify the reservation | Reservation |

|  |  |
| --- | --- |
| Class: Car | |
| Responsibilities | Collaborations |
| Car details |  |
| Check availability and Update availability status | Reservation |
| Get rental history |
| Reserve car | User |

|  |  |
| --- | --- |
| Class: Reservation | |
| Responsibilities | Collaborations |
| Create reservation | User |
| Update reservation details |
| Get reservation details | Car |

|  |  |
| --- | --- |
| Class: Invoice | |
| Responsibilities | Collaborations |
| Generate rental invoice | User |
| Calculate charges | Car |

|  |  |
| --- | --- |
| Class: Payment | |
| Responsibilities | Collaborations |
| Process payment | User |
| payment status | User |

|  |  |
| --- | --- |
| Class: Admin | |
| Responsibilities | Collaborations |
| Handle the car rental system |  |
| Mange car fleet | Car |
| Maintain recode of rental history | Reservation |

|  |  |
| --- | --- |
| Class: CarRentalSystem | |
| Responsibilities | Collaborations |
| Register user | User |
| Register car | Car |
| Recode Reservation history | Reservation |