Design an App for calling Taxi

User can
1. Login App
2. Call a Taxi
3. Review order
4. Contact driver
5. Cancel

Class: User
Data: name, phone, userLocation, destination, numberOfPassager, order
Behaviour:

```
loginApp() {
      App.login(name);
}
callTaxi() {
if(CreditCard.cardAvailable())
            App.match(this.Data);
      else
            Error;
}
review() {
      System.out.print(this.order);
}
contactDriver() {
      HelpService.call(order.driver.Data.phone);
}
cancel() {
      App.orderEnd();
}
```


Class: Driver
Data: name, phone, driverLicence, driverLocation, driverPhoto, order
Behaviour:

```
confirmOrder(userLocation) {
      System.out.print(userLocation);
      if(confirm)  return true;
      else return false;
}
contactUser() {
      HelpService.call(order['userData'].phone);
}
pickupUser() {
      App.orderEnd();
}
```


Class: App
Data: status

```
Behaviour:
login(userName) {
      List<String> nameList;
      foreach(String name in nameList) {
            if(userName == name)
status = true;
}
status = false;
}
match(userData) {
      List<T> info;
      Driver driver = MapService.findDriver(userData.userLocation);
      info.add(userData);
      info.add(driver.Data);
      Driver.order = info;
User.order = info;
}
orderEnd() {
      alert(Driver);
      alert(User);
      Driver.order = null;
      User.order = null;
}

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Class: CreditCard
Data: type, bankName, cardNumber, address, securityCode, expireDate
Behaviour:
cardAvailable() {
      Date currentDate = new Date();
return currentDate.compareTo(expireDate);
}

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Class: MapService
Data: trafficCondition, Road
Behaviour:
findDriver(userLocation) {
      List<Driver> driverList;
      Driver TaxiDriver;
      foreach(Driver driver in driverList) {
            if(Driver.driverLocation is nearer)
                  TaxiDriver = driver;
}
if(TaxiDriver.confirmOrder(userLocation) == false) {
      TaxiDriver = this.findDriver(userLocation);
}
return TaxiDriver;
}

--------------------------------------------------------------------------------
-------------------------------------------
```

```
Class: HelpService
Data:
Behaviour:
call(number) {
      phoneCallAPI.call(number);
}
```