

Group Number: Group 1

Team Members:

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Topic: Ride Sharing App

GitHub Link: https://github.com/wable-j/dmdd_final_project

What's Included:

Object Type	Quantity or Yes/No	Comments
Tables	12	These tables include: User, Driver, Passenger, Car, Locations, Trip, PassengerTrips, Billing, DriverBilling, RateCard, Complaint, ServiceRequest
Views	5	This includes: RevenueByCarType, DailyRevenueReport, ServiceRequestOverview, MonthlyDriverEarnings, DriverPerformanceSummary
Table Level Check Constraint	5	Table Trip – CHK_Trip_TripStatus Table Car – CHK_Car_Type, CHK_Car_Status Table Billing: CHK_Billing_PaymentMethod Table ServiceRequest: CHK_ServiceRequest_Status
Computed Column based on UDF	2	This includes: CalculateCommissionAmount CalculateDriverBilling
Non-Clustered Indexes	3	Non-Clustered Index on Driver table, Trip table, PassengerTrips table
Stored Procedures	6	These include: CreateUser, DisplayOngoingTrips, JoinExistingTrip, CreateNewTrip, BillingDetails, DisplayBillingDetails

User Defined Functions (UDF)	1	This includes: CalculateTotalTripsByDriver
DML Triggers	2	AfterInsertComplaint and AfterComplaintResolved, AfterPassengerTripCreation
Column Data Encryption	2	Car table: RegistrationNumber Billing table: CreditCardNumber
BI Data Visualization	Yes	Created Bar graph, Pie chart for data visualisation
GUI for CRUD Operations (optional)	Yes	Build a Frontend GUI with React and connected SQL as backend for CRUD operations
Other	Yes	Build an end to end Application to utilize all stored procedures from creating new user, book a ride, update billing and raise a complaint