

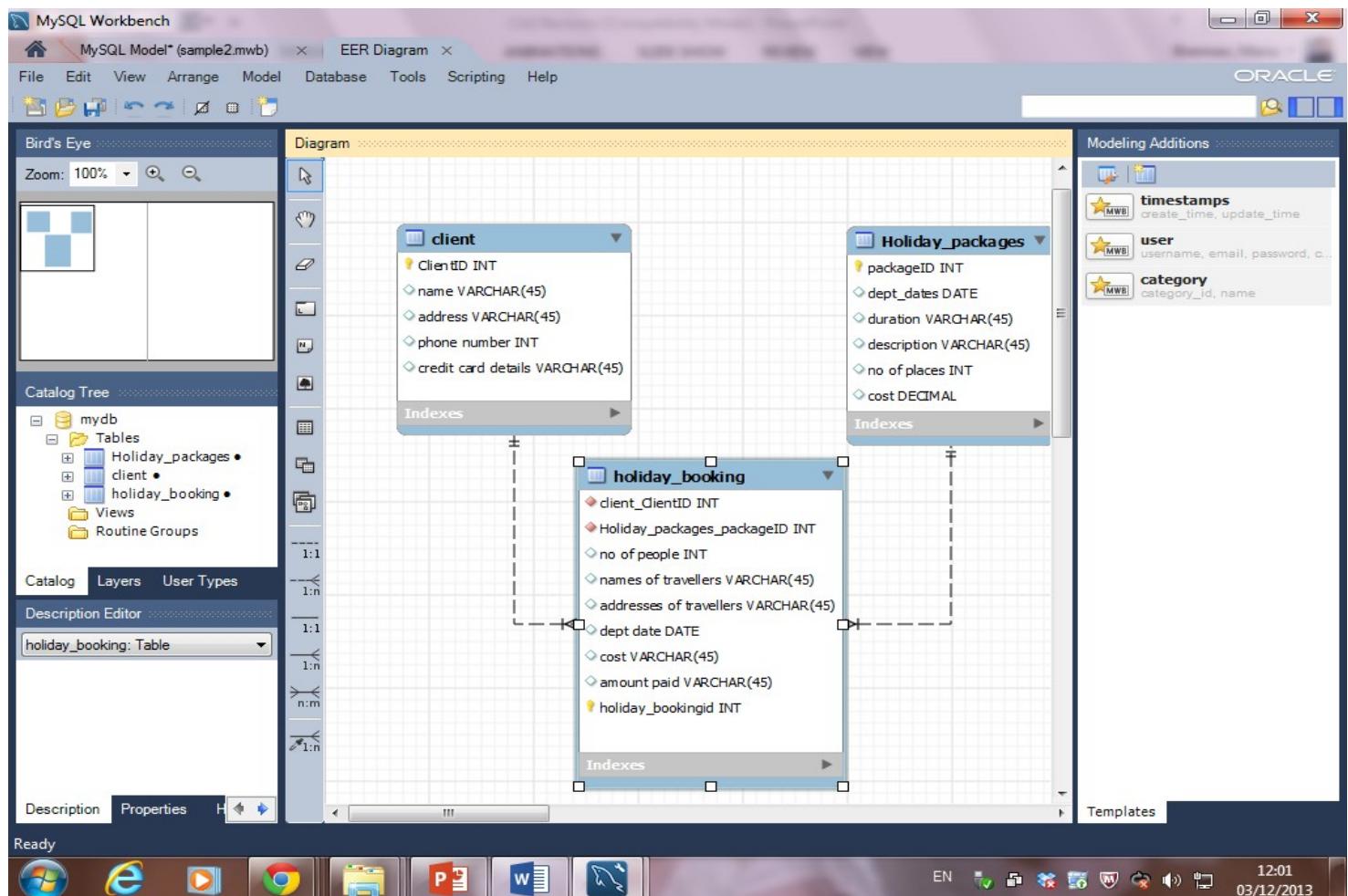
Exercise 2 Solution

ERD and Relational Modeling

- (a) Draw a logical level ER diagram based on the following scenario. Indicate clearly any assumptions that you make.

A travel agent requires a database to help them manage their business. They want to record information about their clients, their holiday packages, and details of when a client books a holiday.

For each client, they need to record their name, address, phone number, and credit card details. For each holiday package they need to record departure dates, duration, and description of the holiday, number of places available and the cost. When a client books a holiday, the travel agent records the number of people traveling, the names and addresses of each person traveling, their departure date, total cost, and amount paid to date.



b) Convert this ERD into Relational Model.

Client(clientID (pk), name, address, phone number, credit card details)

Holiday_package(packageID(pk), dept_date, duration, description,no of places, cost)

Holiday_booking(holiday_bookingid(pk), clientID(fk), packageID(fk), no of people, names of travellers, addresses of travellers, dept date, cost, amount paid)