



Cairo University
Faculty of Engineering



Computer department
Second year
SEM – Team 2

Introduction to Database System

SuperJet

Schema Report

Team Number: 2

Members:

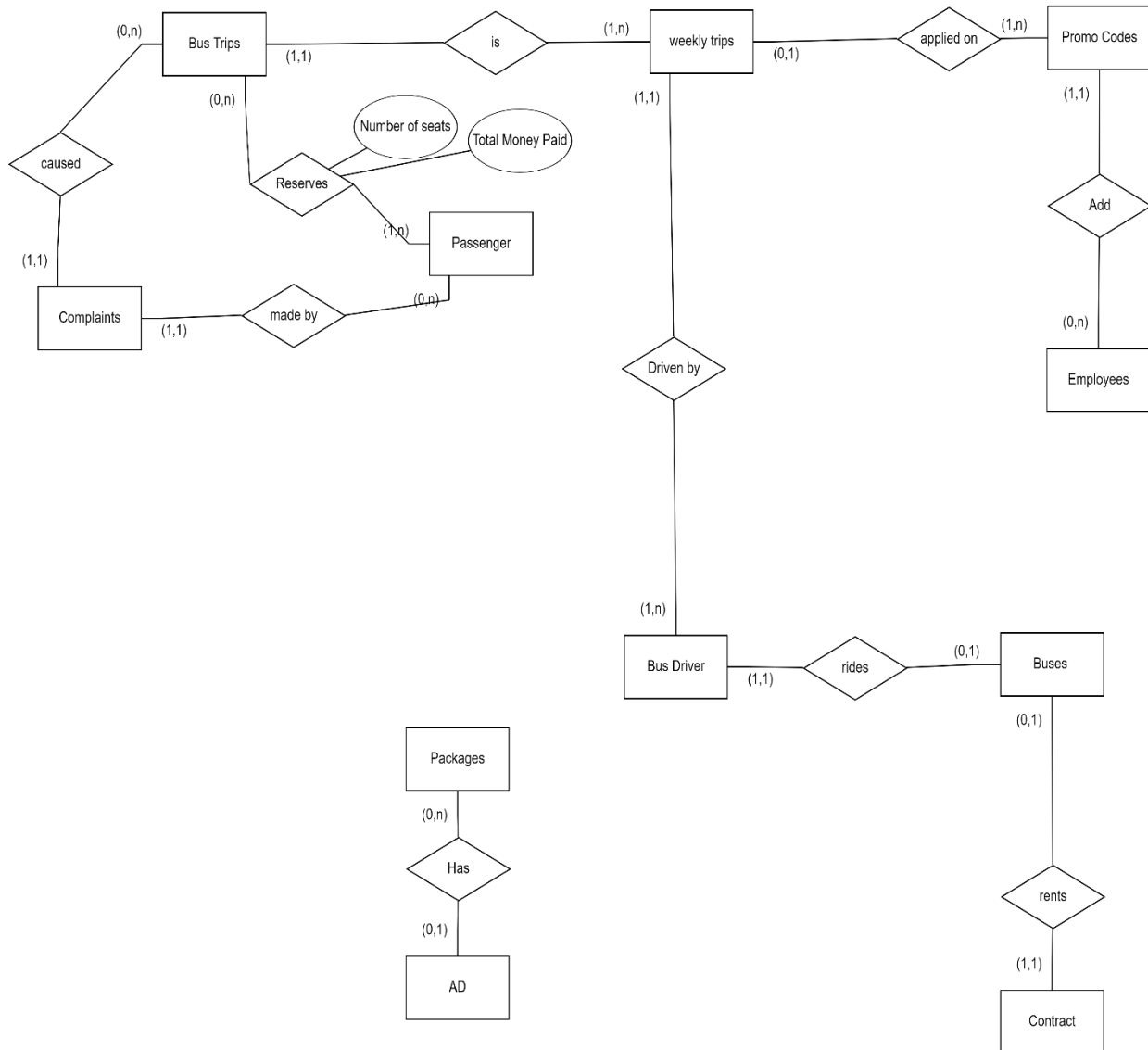
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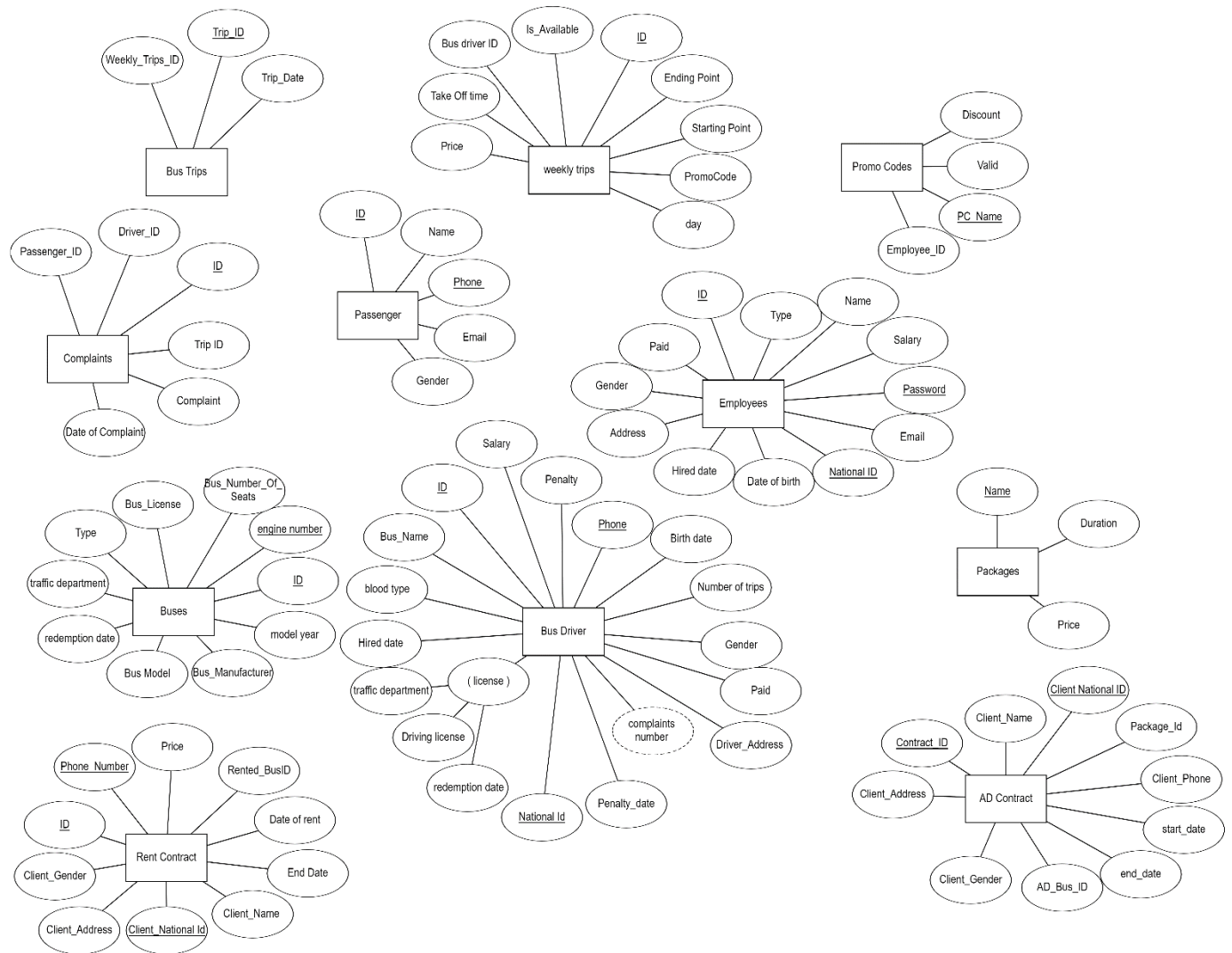
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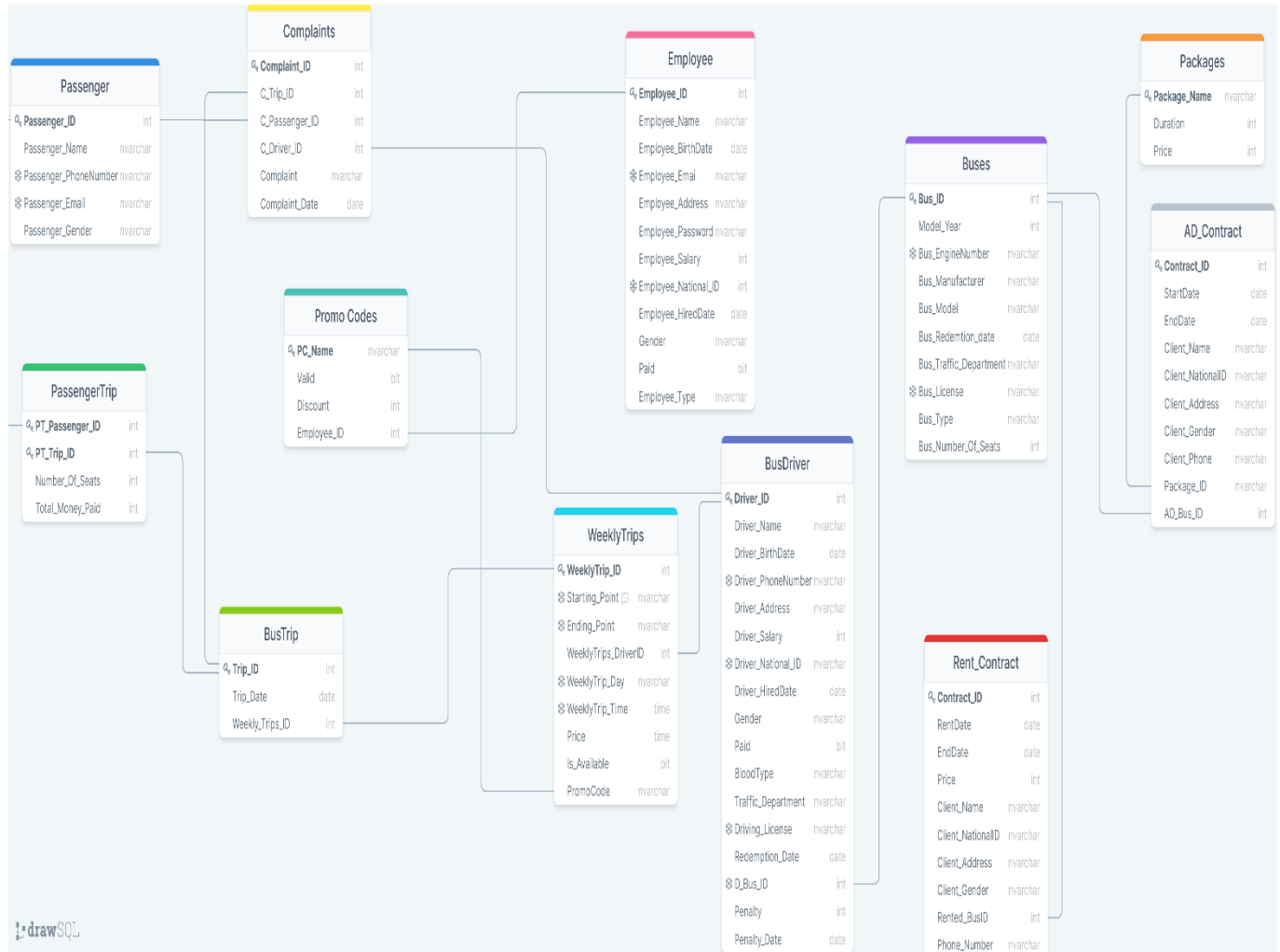
1-ER Diagram with Relation



2-ER Diagram with Attributes



3-Database schema diagram



3-Database Constrains :

1. Each driver only drives one Bus at a time.
2. Each bus is driven by only one driver at a time.
3. Each Driver can only make two trips per day.
4. The trips of the driver should be round trips (going and coming back in the same day).
5. For each driver, the difference between going to any governorate and coming back should be at least 5 hours.
6. You cannot delete any weekly trip that had been a bus trip before.
7. For any weekly trip, you can only set its availability false (no passenger can reserve it anymore).
8. You cannot delete any package it was used in any Ad contract before.
9. For any Package, you can only set its availability false (no client can reserve it anymore).