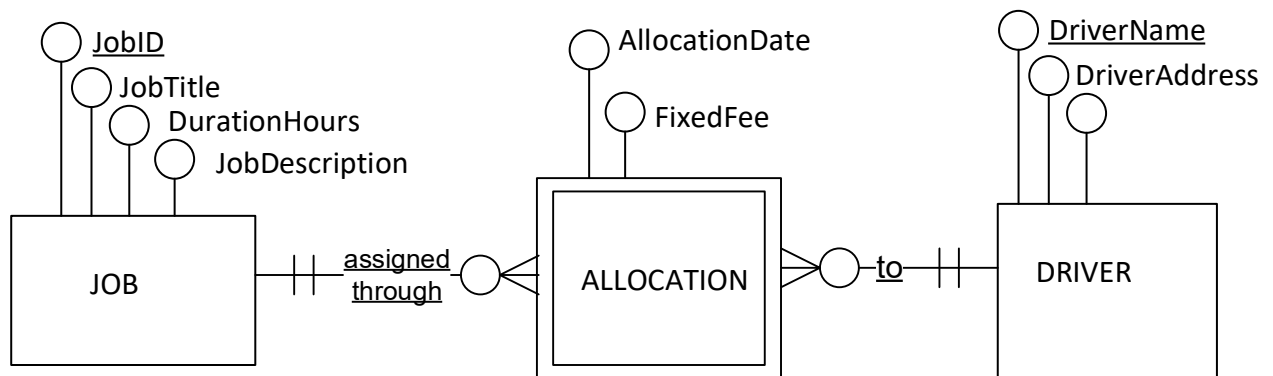# Task 8 – Pass

Student ID: 101478161

Student Name: Qiao Xu

Pass Task 1

'Easy Movers' hire drivers to work on moving jobs. Each job has a job ID, a title, a duration (in hours), and a description. Drivers all have a name, an address and a mobile phone number. When a driver is allocated to a job the date is recorded, as well as a fixed fee. E.g. Ankit was allocated to project #37 on September 22nd. The fee that Ankit has set for project #37 is $500.

JOB (JobID, JobTitle, DurationHours, JobDescription)

PK (JobID)

DRIVER (DriverName, DriverAddress, DriverMobile)

PK (DriverName)

ALLOCATION (JobID, DriverName, AllocationDate, FixedFee)
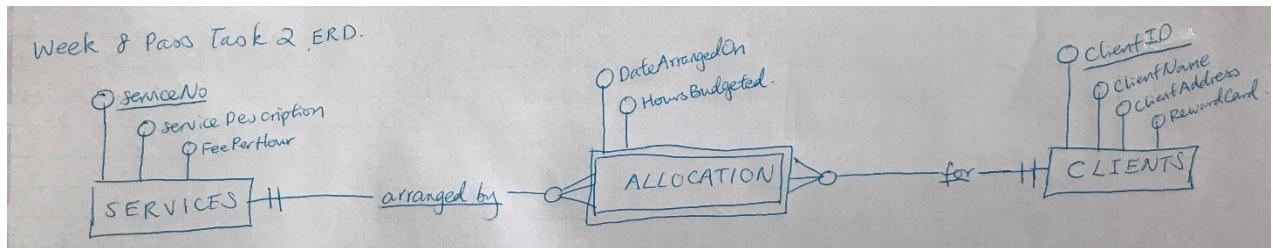
PK (JobID, DriverName)

FK (JobID) references JOB

FK (DriverName) references DRIVER

Pass Task 2

'Glenferrie Pet Services' provides a number of services for clients and their pets. Examples of services are washing, grooming, walking, etc. Each service has a per hour fee. E.g. washing a dog is charged at $50 per hour. Each service has a Description and Service Number. Each client has a name, address – and may or may not have a Glenferrie Pet Services reward card. Glenferrie Peter Services record the date that a service was arranged for a client and the number of hours that are budgeted

for that service. E.g. Tina Sparkle has arranged for her dog to be walked on October 03 2017. It is estimated that it will take 1.0 hours to complete. Note: There is no need to record who performed the service or how long it actually took to perform that task.

SERVICES (ServiceNo, ServiceDescription, FeePerHour)

PK (ServiceNo)

ALLOCATION (ServiceNo, ClientID, DateArrangedOn, HoursBudgeted)

PK (ServiceNo, ClientID)

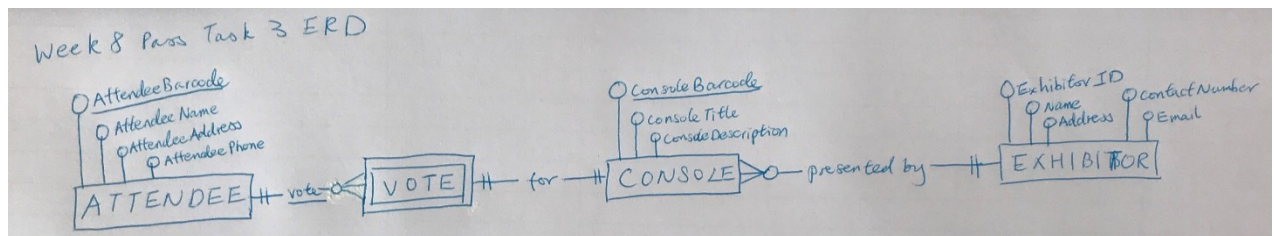FK (ServiceNo) references SERVICES

FK (ClientID) references CLIENTS

CLIENTS (ClientID, ClientName, ClientAddress, RewardCard)

PK (ClientID)

Pass Task 3

Retro Games are planning to hold an exhibition of retro computer game consoles and related gear. Every console/artefact will have a barcode, a title and a description. Each console is provided by an exhibitor (usually a gaming enthusiast). Exhibitors have a name, an address, contact number, and email. One exhibitor may bring more than one console tor the exhibition. Other enthusiasts will come and visit the exhibition as attendees. As each attendee enters the exhibition, their name, address and phone number will be recorded. Each attendee will be given a unique barcode id. During their visit, attendees will nominate which console/artefact they like the most! This will be recorded by staff at Retro Games. Attendees will be able to vote for more than one console/game/artefact.

Paste the ERD here.

Paste the Relational Schema here.

CONSOLE (ConsoleBarcode, ConsoleTitle, ConsoleDescription)

PK (ConsoleBarcode)

EXHIBITOR (ExhibitorID, Name, Address, ContactNumber, Email)

PK (ExhibitorID)

ATTENDEE (AttendeeBarcode, AttendeeName, AttendeeAddress, AttendeePhone)

PK (AttendeeBarcode)

#assuming an attendee cannot vote multiple times for a particular console]

VOTE (AttendeeBarcode, ConsoleBarcode)

PK (AttendeeBarcode, ConsoleBarcode)

FK (AttendeeBarcode) references ATTENDEE

FK (ConsoleBarcode) references CONSOLE