Use Case 1 – FindJob (45 pts)

FindJob is a social networking site that aims to allow people to connect to other professionals and find a job in North Cyprus. Users and employers can connect through FindJob's social network and build real-world professional relationships. FindJob aims to create groups, publish articles, publish job postings and allow users to create profiles and post photos, and more. The database design for this system has the following schema, domains. Below we explain how you can load this database to your local Oracle instance.

Schema

Member (member_id , name, surname, email, username, password, tel, gender, country, works_for_company [FK: Company: company_id])

Company (company_id, companyname, address, companytel)

ConnectionList(member_id [FK: Member: member_id], connection_member_id [FK: Member: member_id], status, connection_date)

GroupInfo(group_id, name, description, type, manager_Id[FK:Member: member_id], created_by [FK: Member: member_id], creation_date)

Post(post_id, date, content, title, posted_by[FK:Member: member_id])

GroupMembers(group_id [FK: Group: group_id], member_id [FK: Member: member_id], status, join_date)

Assessment(assessment_id, name, asses_level)

AssessmentTaken (member_id [FK: Member: member_id, assessment_id [FK: Assessment:assessment_id], asses_date, status)

Domains

Member.gender = Male, Female, NonBinary, Unknown
Date is stored in the system as "DD/MM/YYYY", e.g., 01/12/2022
Group.type = Standard, Unlisted
GroupMembers.status = Active, Passive
Assessment.level = Beginner, Expert
AssessmentTaken.status=Pass,Fail

Use Case 2 – NCCCloud (50 pts)

NCCCloud is a recent established company aiming to provide cheap cloud gaming solutions in Northern Cyprus. Their database engineers designed the database and they also have data ready to be inserted in the database, you now need to create the database, add the given data and write queries for this database.
The data to be inserted is given in the file called NCCCloudData.xlsx.

Schema

You will need to write the necessary commands to create the following tables with all the necessary constraints given below. In your report, you will need to include full queries.

User(username, name, surname, email, dob)

Subscription(subscription_id, type, monthly_price, payment_type)

UserSubscription(username [FK: User: username],
subscription_id [FK: Subscription: subscription_id], start_date, end_date)

Game(game_id, game_name, game_description)

Library(library_connection_token, username [FK: User: username], library_name)

LibraryGame(library_connection_token [FK: Library: library_connection_token],
game_id [FK: Game: game_id])

Computer(id, price, cpu, gpu, time_bought, maintenance_date)

PlaySession(game_id [FK: Game: game_id], computer_id [FK: Computer: computer_id],
library_connection_token [FK: Library: library_connection_token], start_date_time,
end_date_time)

Domains

Subscription.type = low, mid, high
Subscription.payment_type = credit-card, PayPal, bank-transfer
Subscription.monthly_price can be minimum of 100 and maximum of 1000.
Library.library_name = Steam or Epic Games
PlaySession.start_date_time and PlaySession.end_date_time should store both the date and also the time together.