Introduction

This is the assessment for week 1 of your training with QA. This assessment has been designed in relation to the SFIA framework, with the aim of assessing your ability to work towards SFIA level 2.

This document details the content of the assessment and the deliverables required on its completion. It also details the scheme in which we will be marking this assessment; the marking scheme has been created in tandem with SFIA level 2 skills.

Assessment information

During this assessment, you are to write queries for the below questions or user stories such that each is fulfilled through SQL commands in the **Movie Lens database**.

Pre-requisite steps

1. Open up the movielens.sql file. Make sure you understand what is happening at each stepfor creating each table and then inserting data into it.

2. Create a new database called movielens by running CREATE DATABASE movielens; then select to use that database by running use movielens;

3. Run the movielens.sql file by running:
   `'source C:/path/to/file/movielens.sql;'`
   where you should replace the path with wherever you have stored the file.

Assessment Tasks

Below are a list of tasks and questions that you must fulfil. As mentioned above, ensure that you list all queries in a file and send at the end of the assessment.

- What is the most common movie genre?
- With which occupation is the Horror genre most frequently rated?
- Check how many ratings have been given by each occupation
- Which movie has the most reviews?

Deliverables

The deliverable for this assessment is collated evidence of the questions above being met. Ensure to create evidence for this by:

- Creating a .sql file with all commands pasted into it – can easily create through Notepad, Notepad++ or Sublime Text

Marking scheme

Below are the skills that we will be evaluating for this Databases assessment. These skills are as described in the SFIA 7 framework; please see below if you wish to have more information:
https://www.sfia-online.org/en/framework

The skills this assessment will discussed are the following:
- Data management

Data management

Assists in providing accessibility, retrievability, security and protection of data in an ethical manner.

Data management – marking scheme

Below is the list of criteria that will be assessed from your deliverable:

SFIA skill	Rating	Details
Data management - Assists in providing accessibility, retrievability, security and protection of data in an ethical manner.	1	Queries were non-existent or verbosely inaccurate.
	2	Queries have met a small amount of the requirements.
	3	Queries have met the majority of the requirements.
	4	All requirements were met through SQL queries.
	5	All requirements met through queries, and queries had been optimised and commented on in SQL file.