# Technical Assessment

## JavaScript

1. Create a loop the iterates up to 100 while outputting “Anna” at multiples of 3, “belle” at multiples of 5, and “Annabelle” at multiples of 3 and 5. (5 points)
2. Create a JavaScript function that returns true if two words are anagrams e.g. “Elbow” and “Below” are anagrams (5 points)

## SQL

1. Your are tasked with creating a database model to capture university data for College X
   1. Create an ER diagram that captures the relationship between a Student, a Course, and a Lecturer (10 points)
   2. Write SQL queries to create the entities mentioned in 3.a (5 points)
   3. Write an SQL query that outputs all students that are taught by a specific Lecturer (5 points)

## Simple Web Application

1. A South African Businessman has recently relocated to Hungary and is struggling to secure public tenders. Using the Tenders Guru API[https://tenders.guru/hu/api], create a simple web app that displays the 10 latest available tenders. The application should also allow the businessman to search for available tenders through their title and description. (70 points)