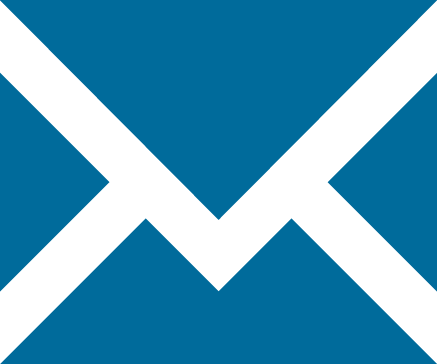
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| **QA Consulting.** |
| Database Assessment |
| QAC ASSESSMENT PROJECT SPECIFICATION |

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# Introduction

The purpose of this document is to outline the assessment that you will be undertaking for the Databases module.

Below there are two scenarios, each of which describes a scenario that requires a MySQL database. Each scenario includes a small handful of user stories to get you started but you must expand on this much further for each scenario you undertake. You must have a minimum of 8 user stories in total.

Before you begin creating anything in MySQL you should have full documentation on what the system needs to have.

For each scenario:

* Write appropriate user stories
* Create an ERD from those user stories
* Create the database in MySQL
* Populate with some data
* Create queries necessary to answer the questions in your user stories and more where possible

# Scenarios

## Animal Adoption Service

1. As a Health Care Officer, I want to query which animals have not been neutered so I can book an appointment with the vets
2. As a Social Media Consultant, I want to query which animals have been there the longest, so I can create a campaign online to get them homed quickly
3. As a Receptionist, I want to query animals by specific criteria to help direct customers to the animals they wish to adopt
4. As an Animal Welfare officer, I want to know that the animals have a good sized enclosure in comparison to the animal size.
5. As a Financial Officer, I want to query how much it costs to feed specific animals based on what it eats.
6. As a Financial Officer, I want to query how much it costs to feed a type of animal on average based on what it eats.
7. As a Marketing Director, I want to query what animals have what looks so I can make an advert I have designed.
8. As a Health Care Officer, I want to find animals who have not been weighed in over a month, so I can book them for a weighing.
9. As a Receptionist, I want to query the average cost per week of neutered vs non-neutered animals depending on their looks.

# Objective

The overall objective of the project is the following:

* To design and create a database application for each scenario listed, each with relevant documentation.

# Constraints

The time constraint of this application will be discussed when the specification is given out, as this can fluctuate based on several factors.

The other constraint for this is certain technology that needs to be used. The solution needs to utilise the technology discussed during the training modules. The tech stack required would be the following:

* Database: MySQL
  + MySQL Workbench

# Deliverable

The final deliverable for this project is the completed application with full documentation around utilisation of supporting tools. This will require a fully functional application based on the scenarios presented.