# Chameleon Website Database Report

## Introduction

This report outlines the structure and implementation of the Chameleon website database. The database is designed to store data for the staff login portal, including employee information and employment contracts. The database management system (DBMS) chosen for this project is MySQL, due to its cost-effectiveness, scalability, and compatibility with a wide range of programming languages.

## Database Structure

The Chameleon database consists of two tables: Employees and Employment Contracts. The Employees table stores personal and contact information for each employee, while the Employment Contracts table stores information about their employment agreements.

### Table:

## MySQL Code

To create the Chameleon database and tables in MySQL, execute the following SQL statements:

CREATE DATABASE staff\_login\_portal;

CREATE TABLE Employees (

id INT NOT NULL AUTO\_INCREMENT,

first\_name VARCHAR(255) NOT NULL,

last\_name VARCHAR(255) NOT NULL,

dob DATE NOT NULL,

phone VARCHAR(20) NOT NULL,

work\_email VARCHAR(255) NOT NULL UNIQUE,

alt\_email VARCHAR(255),

home\_addr VARCHAR(255) NOT NULL,

emergency\_contact\_name VARCHAR(255) NOT NULL,

emergency\_contact\_phone VARCHAR(20) NOT NULL,

start\_date DATE NOT NULL,

end\_date DATE,

position VARCHAR(255) NOT NULL,

bank\_account\_number VARCHAR(50) NOT NULL,

PRIMARY KEY (id)

);

CREATE TABLE Employment\_Contracts (

id INT NOT NULL AUTO\_INCREMENT,

employee\_id INT NOT NULL,

start\_date DATE NOT NULL,

end\_date DATE,

type VARCHAR(255) NOT NULL,

PRIMARY KEY (id),

FOREIGN KEY (employee\_id) REFERENCES Employees(id)

);

## Data Entry and Verification

Once the database is created, the next step is to populate the tables with data using SQL statements. It is essential to verify that the database is functioning correctly by running queries and checking for errors.

## Conclusion

The Chameleon website database is designed to store employee information and employment contracts for the staff login portal. By using MySQL as the DBMS, the database is scalable, cost-effective, and compatible with a wide range of programming languages.