**Database Design Coursework Template**

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**Scenario Topic Name:** Cat café adoption centre

**Scenario:**

Potential adopters can search for cats based on their breed, age, nature & health, making it easier to find a match. They can then meet the cats in a safe environment, being the cat café. Café

workers can track adoption status, input important details such as vaccination dates & add behavioural notes. Both adopters & workers can access the cat's adoption history, including previous owners, reasons for returns & any treatments the cat went through. This should help them understand the cat’s journey, allowing them to make informed decisions.

**Example queries:** (**Minimum 5** – list, who, which, how many, most, fewest etc. - check that your models have the attributes needed to answer the queries)

1. How many times have potential adopters visited the cat café?
2. The breed of cats most adopted
3. What nature is mostly preferred by potential adopters?
4. Which café is the least visited by potential adopters
5. Which café has the fewest amounts of cats adopted?

**Entity Relationship Model:** (insert a jpg image of your model exported from Visual Paradigm in the space below).

Insert your jpg image here

**Relational Model Tables**

* Copy and paste the table below for as many relational tables as you need
* Replace the placeholder names (table-name1, attribute-name5 etc) with the table and attribute names you derived from your ER model
* **List primary key attributes first**
* Add new rows to the tables (in the correct place) as needed
* Delete any unnecessary rows (attribute rows and foreign key rows if not used)
* Primary keys are to be specified in the format PRIMARY KEY (**attribute-name1, attribute-name2, etc)**
* Foreign keys are to be specified in the format ‘FOREIGN KEY **(attribute-name) REFERENCES table-name (attribute-name)**

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| **Relational table specification** | **Marker’s corrections (Do not write in this column)** |
| **Table name: Cat café** |  |
| **Attributes** |  |
| * **Café ID** |  |
| * Café Name |  |
| * Location |  |
| * Contact Info |  |
| * **Visit History** |  |
| **PRIMARY KEY:** Café ID |  |
| **FOREIGN KEY:** |  |

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| **Relational table specification** | **Marker’s corrections (Do not write in this column)** |
| **Table name:** **Cats** |  |
| **Attributes** |  |
| * **Cat ID** |  |
| * Name |  |
| * Breed |  |
| * Age |  |
| * Nature |  |
| * Health Status |  |
| * Vaccination dates |  |
| * Behavioral Notes |  |
| * Adoption Status *(e.g. adopted, available…)* |  |
| * Café ID |  |
| **PRIMARY KEY:** Cat ID |  |
| **FOREIGN KEY:** (Café ID) – REFERENCES – Café table – (Café ID) |  |

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| **Relational table specification** | **Marker’s corrections (Do not write in this column)** |
| **Table name: Health Record** |  |
| **Attributes** |  |
| * **Health Record ID** |  |
| * **Cat ID** |  |
| * Vaccination Date |  |
| * Vaccination Type |  |
| * Behavioral notes |  |
| **PRIMARY KEY:** Health Record ID |  |
| **FOREIGN KEY:** (Cat ID) – REFERENCES – Cats table – (Cat ID) |  |

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| **Relational table specification** | **Marker’s corrections (Do not write in this column)** |
| **Table name: Workers** |  |
| **Attributes** |  |
| * **Worker ID** |  |
| * Name |  |
| * **Assigned Cafe** |  |
| * Role |  |
| * **Assigned cats** |  |
| * Added note |  |
| **PRIMARY KEY:** Worker ID |  |
| **FOREIGN KEY:** (Assigned cats) – REFERENCES – Cats table – ( Cat ID) |  |
| **FOREIGN KEY:** (Assigned cafe) – REFERENCES – Cat café table – ( Cafe ID) |  |

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| **Relational table specification** | **Marker’s corrections (Do not write in this column)** |
| **Table name:** **Potential Adopter** |  |
| **Attributes** |  |
| * **Adopter ID** |  |
| * Name |  |
| * Phone no |  |
| * Email |  |
| * Address |  |
| * Search Preferences |  |
| * **Visit History** *(Record of cat café visits)* |  |
| * **Adoption History** *(Record of adoptions)* |  |
| **PRIMARY KEY:** Adopter ID |  |
| **FOREIGN KEY:** (Adoption History) – REFERENCES – Adoption History table – (Adoption ID) |  |

|  |  |
| --- | --- |
| **Relational table specification** | **Marker’s corrections (Do not write in this column)** |
| **Table name:** **Adoption History** |  |
| **Attributes** |  |
| * **Adoption ID** |  |
| * Cat ID |  |
| * **Adopter ID** |  |
| * Adoption Date |  |
| * Previous owners |  |
| * Reason for Return |  |
| * Medical treatment |  |
| **PRIMARY KEY:** Adoption ID |  |
| **FOREIGN KEY:** (Cat ID) – REFERENCES – Cats table – (Cat ID) |  |
| **FOREIGN KEY:** (Adopter ID) – REFERENCES – Potential adopters table – (Adopter ID) |  |

**Marker’s Comments** (Do not write in this section)

**Important:** Please note that marker’s corrections to your relational tables are there to help you construct a working database for the second coursework. They are not the determinant of your mark. For more information on how your work is assessed see the coursework specification and grade related criteria.

**Coursework Mark** (100 marks available):