**Cycling Club Database**

For this project I am going to model and design an SQL database on a cycling club. I’ve been a keen cyclist from a young age so I felt it was something I could model in a effective way. I have made 6 relational tables, they are : Members, Coaches, Races, Training, Equipment and Registration. Within each relation, each one has a primary key. For each of my relational tables I decided to have 5 attributes for each relation as I felt like it accurately displayed the relational table

**Entity Relationship Diagram**

A picture containing text

Description automatically generated

**Relational Schema Diagram**

**Members**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Members\_ID | Members\_ID | Email | Speciality | Phone\_Number |

**Coach**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Coaches\_ID | Coaches\_Name | Email | Position | Phone\_Number |

**Races**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Race\_ID | Race\_Name | Distance\_KM | Terrain | Race\_Organisers |

**Training**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date | Location | Training\_Distance | Terrain | Coaches\_ID |

**Equipment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | On\_Loan | Value | How\_Old\_Years | Equipment\_ID |

**Registration**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Member\_Name | Previous\_Member | Registration\_Fee | Members\_Age | Members\_ID |