**Activates**:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Act\_ID | Act\_Name | Act\_Img | Act\_MinAge | Act\_Active | Act\_Description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| Act\_ID | integer | 10 | Primary Key | Activity ID |
| Act\_Name | nvarchar | 50 | UNIQUE, Not Null | Activity Name |
| Act\_Img | nvarchar | 250 |  | Activity Image |
| Act\_MinAge | tinyint | 3 | Not Null | Activity Minage for subscripting |
| Act\_Active | bit |  | Not Null | Activity active or not |
| Act\_Description | nvarchar | 250 |  | Description for Activity |

**PersonInfo**:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P\_ID | P\_Name | P\_BirthDate | P\_National\_ID | P\_Phone | P\_Img | p\_Email | P\_Type | P\_Gender | P\_Adress | P\_StartDate |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| P\_ID | integer | 10 | Primary Key | Person ID |
| P\_Name | nvarchar | 50 | Not Null | Person Name |
| P\_BirthDate | Date |  | Not Null | Person Birthdate |
| P\_ National \_ID | nvarchar | 15 | Not Null, Uniqe | Person National ID |
| P\_Phone | nvarchar | 15 | Not Null | Person Phone |
| P\_Img | nvarchar | 250 |  | Person Image |
| p\_Email | nvarchar | 100 |  | Person Email Address |
| P\_Type | Char | 1 | Not Null | Person Type |
| P\_Gender | Char | 1 | Not Null | Person Gender |
| P\_Address | nvarchar | 50 | Not Null | Person Address |
| P\_StartDate | Date |  | Not Null | Person join date |

**Department:**

|  |  |
| --- | --- |
| Dep\_ID | Dep\_Name |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| Dep\_ID | SMALLINT |  | Primary Key | Department ID |
| Dep\_Name | NVARCHAR | 50 | Not Null | Department Name |

**Employees:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Emp\_Info | Emp\_Department | Emp\_Salary | Emp\_UserName | Emp\_Password | Emp\_Active | Emp\_Postion |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| Emp\_Info | integer | 10 | FOREIGN KEY | person ID |
| Emp\_Department | SMALLINT | 3 | FOREIGN KEY | Department ID |
| Emp\_Salary | FLOAT |  | Not Null | Employee Salary |
| Emp\_UserName | NVARCHAR | 50 | Uniqe | Account Username |
| Emp\_Password | NVARCHAR | 50 |  | Account Password |
| Emp\_Active | BIT |  | Not Null | Employee Active |
| Emp\_Postion | SMALLINT | 3 | Not Null | Employee Job title |

**Trainer:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Trainer\_Code | Trainer\_Info | Trainer\_Act | Trainer\_Active | Trainer\_StartDay |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| Trainer\_Code | integer | 10 | Primary key | Trainer id with activity |
| Trainer\_ Info | integer | 10 | FOREIGN KEY | person ID |
| Trainer\_ Act | SMALLINT | 3 | FOREIGN KEY | Activity id |
| Trainer\_ Active | BIT |  | Not Null | Trainer active or not |
| Trainer\_ StartDay | Date |  | Not Null | Trainer start training activity date |

**School:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| School\_ID | School\_Name | School\_Level | School\_Act | School\_Price |
| School\_EndDay | School\_MaxTrainer | School\_MaxMember | School\_Days | School\_Active |
| School\_StartDay | Trainer\_Percent | School\_Member\_Count | School\_Trainer\_Count | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| School\_ID | integer | 10 | Primary key | School ID |
| School\_Name | nvarchar | 50 | Not Null | School Name |
| School\_Level | nvarchar | 50 | Not Null | School Level |
| School\_Act | SMALLINT | 3 | Foreign Key | Activity ID |
| School\_Price | FLOAT |  | Not Null | Subscription price |
| School\_StartDay | DATE |  | Not Null | Training start date |
| School\_EndDay | DATE |  | Not Null | Tinning End date |
| School\_MaxTrainer | SMALLINT | 3 | Not Null | Max number of trainer |
| School\_MaxMember | SMALLINT | 3 | Not Null | Max number of Member |
| School\_Days | NVARCHAR | 50 | Not Null | Training days |
| School\_Active | Bit |  | Not Null | Training active or not |
| Trainer\_Percent | Float |  | Not Null | Trainer Percent |
| School\_Member\_Count | Smallint | 3 | Not Null | Member subscription count |
| School\_Trainer\_Count | Smallint | 3 | Not Null | Trainer count |

Members:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Member\_Code | Member\_Info | Member\_Act | Member\_Level | Member\_active |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| Member\_Code | integer | 10 | Primary key | Member id with activity |
| Member\_Info | Integer | 10 | FOREIGN key | Person id |
| Member\_Act | Smallint | 3 | FOREIGN key | Activity id |
| Member\_Level | Nvarchar | 50 | Not Null | Member level |
| Member\_active | bit |  | Not Null | Member active or not |

Payment:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pay\_ID | Member\_Code | School\_ID | Trainer\_Code | Pay\_Date | |
| Pay\_DueDate | Pay\_AmountPaid | Pay\_Discount | | | Pay\_Type |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| Pay\_ID | integer | 10 | Primary Key | Payment Id |
| Member\_Code | Integer | 10 | Foreign key | Member id with activity |
| School\_ID | Integer | 10 | Foreign key | School id |
| Trainer\_Code | Integer | 10 | Foreign key | Trainer id with activity |
| Pay\_Date | DATE |  | Not Null | Payment date |
| Pay\_DueDate | DATE |  | Not Null | Payment due date |
| Pay\_AmountPaid | FLOAT |  | Not Null | Payment Amount |
| Pay\_Discount | FLOAT |  | Not Null | Payment discount |
| Pay\_Type | SMALLINT | 3 | Not Null | Payment type |

**Tournaments:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Member\_Info | Tour\_Name | Tour\_Description | Tour\_Date | Member\_img | Member\_Level | Act\_ID |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| Member\_Info | Integer | 10 | Foreign key | Person id |
| Tour\_Name | Nvarchar | 50 | Not Null | Tournament Name |
| Tour\_Description | Text |  | Not Null | Tournament Description |
| Tour\_Date | Date |  | Not Null | Tournament date |
| Member\_img | Nvarchar | 250 | Not Null | Member image in Tournament |
| Member\_Level | Nvarchar | 50 | Not Null | Member Level |
| Act\_ID | Smallint | 3 | Foreign key | Activity id |

**TrainerSalary:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Trainer\_Code | School\_ID | Member\_Count | Salary\_Date | Salary |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| Trainer\_Code | Integer | 10 | Foreign key | Trainer id with activity |
| School\_ID | Integer | 10 | Foreign key | School id |
| Member\_Count | Integer | 10 | Not Null | Count of member |
| Salary\_Date | Date |  | Not Null | Salary date |
| Salary | Float |  | Not Null | Trainer salary |

**Time Machine:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Emp\_ID | Time\_In | Time\_Out | Time\_Date | Note\_Case |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| Emp\_ID | integer | 10 | Foreign key | Person id |
| Time\_In | TIME |  | Not Null | Time In |
| Time\_Out | TIME |  | Not Null | Time-outs |
| Time\_Date | Date |  | Not Null | Date |
| Note\_Case | Smallint |  | Not Null | Note case |

**Contact Us:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Anonyms\_Name | Anonyms\_Email | Anonyms\_Phone | Anonyms\_Message | Anonyms\_time\_Message |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| Anonyms\_Name | NVARCHAR | 50 | Not Null | Sender Name |
| Anonyms\_Email | NVARCHAR | 50 |  | Sender Email |
| Anonyms\_Phone | NVARCHAR | 15 | Not Null | Sender Phone |
| Anonyms\_Message | Text |  | Not Null | Feedback Massage |
| Anonyms\_time\_Message | Timestamp |  | Not Null | Message time |

**Log Event:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LogID | EventName | EventActor | EventReport | EventDate |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Field length** | **Constraint** | **Description** |
| LogID | integer | 10 | Primary Key | Log ID |
| EventName | NVARCHAR | 50 | Not Null | Event Name |
| EventActor | integer | 10 | Foreign key | Person id |
| EventReport | NVARCHAR | 250 | Not Null | Event Report |
| EventDate | Timestamp |  | Not Null | Event Date time |