**6. System Design**

**6.1.2 Database Dictionary:**

* Tbltrainer\_reg

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| --- | --- | --- | --- | --- |
| **Field name** | **Data type** | **Size** | **Constrains** | **Description** |
| Trainer\_id | Int | - | Primary Key | Unique id of trainer (Auto increment). |
| Trainer\_name | Varchar | 50 | Not Null | Holds the trainer name. |
| Trainer\_image | Image | -\* | Not Null | Holds the trainer image. |
| Trainer\_address | Varchar | 255 | Not Null | Holds the trainer address |
| Contact | BigInt | 10 | Not Null | Holds the trainer contact no. |
| Email | Varchar | 255 | Not Null | Holds the trainer email address |
| Password | Varchar | 20 | Not Null | Password which will be set by Trainer |
| Gender | Char | 6 | Not Null | Holds the trainer gender. |
| Date\_of\_birth | Date | - | Not Null | Holds the trainer birth date. |
| Height | Float | - | Not Null | Holds the trainer height. |
| Weight | Float | - | Not Null | Holds the trainer weight. |
| Achievement | Varchar | 255 | Not Null | Holds the trainer achievement. |
| Specialty | Varchar | 30 | Not Null | Holds the trainer specialty. |
| experience | int |  | Not null | Specify the experience of the trainer. |
| Batch\_id | Int | - | Foreign Key | Holds the batch id. |

* Tblmember\_reg\_master

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| **Field name** | **Data type** | **Size** | **Constrains** | **Description** |
| member\_id | Int | - | Primary Key | Unique id of member (Auto increment) |
| member\_name | Varchar | 50 | Not Null | Holds the member name. |
| member\_image | Image | - | Not Null | Holds the member image. |
| member\_address | Varchar | 100 | Not Null | Holds the member address |
| Contact | BigInt | 10 | Not Null | Holds the member contact no. |
| Email | Varchar | 50 | Not Null | Holds the member email address |
| Password | Varchar | 20 | Not null | Password which will be set by member |
| Gender | Char | 6 | Not Null | Holds the member gender. |
| Date\_of\_birth | Date | - | Not Null | Holds the member birth date. |
| Height | Float | - | Not Null | Holds the member height. |
| Weight | Float | - | Not Null | Holds the member weight. |
| Batch\_id | Int | - | Foreign Key | Holds the batch id. |
| Package\_id | Int | - | Foreign Key | Holds the package id. |
| Register\_date | Date | - | Int | Holds the registration date. |

* Tblmembership\_master

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| **Field name** | **Data type** | **Size** | **Constrains** | **Description** |
| Membership\_id | Int | - | Primary Key | Unique id of membership (Auto increment). |
| Package\_id | Int | - | Foreign Key | It holds package id. |
| Member\_id | Int | - | Foreign Key | It holds user id. |
| Membership\_start\_ date | Date | - | Not Null | Starting date of membership. |
| Membership\_end\_  date | Date | - | Not Null | Ending date of membership. |

* TblEquipment\_details

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| --- | --- | --- | --- | --- |
| **Field name** | **Data type** | **Size** | **Constrains** | **Description** |
| Equipment\_id | Int | - | Primary Key | Unique id of Equipment (Auto increment). |
| Equipment\_name | Varchar | 30 | Not null | Store the name of Equipment |
| Description | Varchar | 100 | Not null | Store the short description of Equipment |
| Category | Varchar | 30 | Not Null | Store the category of Equipment |
| Quantity | Int | - | Not Null | Store the quantity of equipment in stock. |

* Tblpackage\_master

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| --- | --- | --- | --- | --- |
| **Field name** | **Data type** | **Size** | **Constrains** | **Description** |
| Package\_id | Int | - | Primary Key | Unique id of packages (Auto increment). |
| Package\_name | Varchar | 50 | Not Null | Name of the packages. |
| Package\_details | Varchar | 255 | Not Null | Facilities  includedin package. |
| Package\_time | Time | - | Not Null | Duration of the package. |
| Package\_amount | Int | - | Not Null | Total amount of package. |

* Tblbatch\_master

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| --- | --- | --- | --- | --- |
| **Field name** | **Data type** | **Size** | **Constrains** | **Description** |
| Batch\_id | Int | - | Primary Key | Unique id of batches (Auto increment). |
| Batch\_name | Varchar | 50 | Not Null | Name of the batches. |
| Batch \_start\_time | Time | - | Not Null | Starting time of the batches. |
| Batch\_end\_time | Time | - | Not Null | Ending time of the batches. |

* TblPayment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field name** | **Data type** | **Size** | **Constrains** | **Description** |
| Payment\_id | Int | - | Primary Key | Unique id of Payment (Auto increment). |
| Package\_id | Int | - | Foreign Key | Holds the package id. |
| member\_id | Int | - | Foreign Key | Holds the member id. |
| Payment\_mode | Varchar | 20 | Not null | Store the payment mode |
| Amount | Int | - | Foreign Key | Total amount of package. |
| Payment\_date | Date | - | Not null | Store the payment date |
| Payment\_status | Char | 1 | Not Null | Show the  payment status |

* TblFeedBack

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field name** | **Data type** | **Size** | **Constrains** | **Description** |
| Feedback\_id | Int | - | Primary Key | Unique id of Payment (Auto increment). |
| member\_id | Int | - | Foreign Key | Holds the member id. |
| Description | Varchar | 50 | Not null | Store the feedback description details |