**5.3 DATABASE DESIGN**

Database name: **PRESCHOOLERSDB**

**TABLE DESIGN**

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name: **SCHOOL\_DETAILS** Primary Key: school\_id | | | |
| Description: Details of the school Number of Fields:10 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| school\_id | Int | Primary key | Id of the school |
| school\_name | Varchar (50) |  | Name of the school |
| school\_email | Varchar (50) |  | Email of the school |
| school\_phone | Bigint |  | Phone no of the school |
| school\_type | Varchar (50) |  | Type of the school |
| school\_postcode | Int |  | Postcode of the school |
| school\_mobile | Bigint |  | Mobile no of the school |
| school\_town | Varchar (50) |  | Town of the school |
| school\_address | Varchar (50) |  | Address of the school |
| school\_country | Varchar (50) |  | Country of the school |

Table no: 5.3.1

Table no: 5.3.2

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name: **CHILD PRIMARY DETAILS** Primary Key: child\_id | | | |
| Description: Primary details of child Number of Fields:12 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| child\_id | Int | Primary key | Id of the child |
| child­­\_dob | Date |  | Date of birth of child |
| child\_fname | Varchar(50) |  | First name of child |
| child\_sname | Varchar(50) |  | Second name of child |
| child\_gender | Varchar(6) |  | Gender of child |
| child\_firstlanguage | Varchar(20) |  | First language of child |
| child\_postcode | Int |  | Postcode of child |
| child\_address | Varchar(50) |  | Address of child |
| child\_location | Varchar(50) |  | Location of child |
| child\_bloodgroup | Varchar(5) |  | Blood group of child |
| child\_houseno | Varchar(50) |  | House no of child |
| School\_id | Int | Foreign key | Id of the school |

Table no: 5.3.3

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name: **CHILD FAMILY DETAILS** Primary Key: childfamily\_id | | | |
| Description: Details of child family Number of Fields:15 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| childfamily\_id | Int | Primary key | Id of child family |
| childfamily\_father | Varchar(50) |  | Name of child’s father |
| childfamily\_mother | Varchar(50) |  | Name of child’s mother |
| childfamily\_localguardian | Varchar(50) |  | Name of child’s local guardian |
| childfamily\_primarycontact | BigInt |  | Primary contact number |
| childfamily\_secondarycontact | BigInt |  | Secondary contact number |
| childfamily\_email | Varchar(50) |  | Email id |
| childfamily\_location | Varchar(50) |  | Location details |
| childfamily\_address | Varchar(50) |  | Address of child |
| childfamily\_street | Varchar(50) |  | Street details |
| childfamily\_postcode | Int |  | Postcode details |
| childfamily\_houseno | Varchar(20) |  | House number details |
| child\_id | Int | Foreign key | Id of child |
| childfamily\_fathercareer | Varchar(50) |  | Career of father |
| childfamily\_mothercareer | Varchar(50) |  | Career of mother |

Table no:5.3.4

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name: **CHILD VISITOR** Primary Key: visitor\_id | | | |
| Description: Details of visitor Number of Fields:7 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| visitor\_id | Int | Primary key | Id of visitor |
| visitor\_name | Varchar(50) |  | Name of visitor |
| visitor\_relation | Varchar(20) |  | Relation of visitor |
| visitor\_photo | Varchar(50) |  | Photo of visitor |
| visitor\_mobile | BigInt |  | Mobile no of visitor |
| visitor\_status | Varchar(20) |  | Status of visitor |
| school\_id | Int | Foreign key | Id of school |

Table no:5.3.5

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name: **VISITOR FINGER PUNCH** Primary Key: fingerpunch\_id | | | |
| Description: Details of visitor”s fingerpunch Number of Fields:6 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| fingerpunch\_id | Int | Primary key | Id of finger punch |
| fingerpunch\_time | Time |  | Time of finger punch |
| fingerpunch\_date | Date |  | Date of finger punvh |
| fingerpunch\_status | Varchar(50) |  | Status of finger punch |
| visitor\_id | Int | Foreign key | Id of visitor |
| device\_id | Int | Foreign key | Id of device used |
| child\_id | Int | Foreign key | Id of child |

Table no:5.3.6

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name: **FINGER PUNCH DEVICE** Primary Key: device\_id | | | |
| Description: Details of device used Number of Fields:7 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| device\_id | Int | Primary key | Id of device used |
| device\_name | Varchar(50) |  | Name of the device |
| device\_machineid | Varchar(20) |  | Id of the device machine |
| device\_made | Varchar(50) |  |  |
| device\_modelno | Int |  | Model no of device |
| device\_status | Varchar(20) |  | Status of device |
| school\_id | Int | Foreign key | Id of school |

Table no:5.3.7

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name**: FACULTY REGISTRATION** Primary Key: faculty\_id | | | |
| Description: Details of faculties Number of Fields:15 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| faculty\_id | Int | Primary key | Id of faculty |
| faculty\_fname | Varchar(50) |  | First name of faculty |
| faculty\_lname | Varchar(20) |  | Last name of faculty |
| faculty\_designation | Varchar(50) |  | Designation of faculty |
| faculty\_email | Varchar(50) |  | Email id of faculty |
| faculty\_primaryno | BigInt |  | Primary contact no |
| faculty\_secondaryno | BigInt |  | Secondary contact no |
| faculty\_whatsaapno | BigInt |  | WhatsApp contact no |
| faculty\_address | Varchar(50) |  | Address of faculty |
| faculty\_postcode | Int |  | Postcode details |
| faculty\_city | Varchar(50) |  | City details |
| faculty\_country | Varchar(50) |  | Country details |
| faculty\_latitude | Varchar(50) |  | Latitude details |
| faculty\_longitude | Varchar(50) |  | Longitude details |
| school\_id | Int | Foreign key | Id of school |

Table no:5.3.8

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name**: CHILD ID CARD** Primary Key: idcard\_id | | | |
| Description: Details of child’s id card Number of Fields:6 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| idcard\_id | Int | Primary key | Id of child’s id card |
| idcard\_path | Varchar(50) |  |  |
| idcard\_filename | Varchar(20) |  | Name of file |
| idcard\_fileextension | Varchar(50) |  | Extension of file |
| idcard\_status | Varchar(50) |  | Status of id card |
| child\_id | Int | Foreign key | Id of child |

Table no:5.3.9

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name**: FACULTY ID CARD** Primary Key: facultyidcard\_id | | | |
| Description: Details of faculties id card Number of Fields:6 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| facultyidcard\_id | Int | Primary key | Id of faculty’s id card |
| facultyidcard\_path | Varchar(50) |  |  |
| facultyidcard\_filename | Varchar(20) |  | Name of file |
| facultyidcard\_fileextension | Varchar(50) |  | Extension of file |
| facultyidcard\_status | Varchar(50) |  | Status of id card |
| faculty\_id | Int | Foreign key | Id of faculty |

Table no:5.3.10

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name**: CHILD ACTIVITY** Primary Key: activity\_id | | | |
| Description: Details of child’s activity Number of Fields:9 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| activity\_id | Int | Primary key | Id of the activity |
| activity\_name | Varchar(50) |  | Name of the activity |
| activity\_remark | Varchar(20) |  | Remarks of activity |
| activity\_image |  |  | Images of activities |
| activity\_video |  |  | Videos of activities |
| child\_id | Int | Foreign key | Id of child |
| activity\_date | Date |  | Date of activity conducted |
| activityschedule\_id | Int | Foreign key | Id of activity schedule |
| faculty\_id | Int | Foreign key | Id of faculty |

Table no:5.3.11

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name**: CHILD ACTIVITY SCHEDULE** Primary Key: activityschesule\_id | | | |
| Description: Details of child’s activity schedule Number of Fields:10 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| activityschedule\_id | Int | Primary key | Id of the activity scheduled |
| activityschedule\_name | Varchar(50) |  | Name of the activity scheduled |
| activityschedule\_document | Varchar(20) |  | Documents |
| activityschedule\_image |  |  | Images of activities |
| activityschedule\_video |  |  | Videos of activities |
| activityschedule­\_status | Varchar(20) |  | Status of scheduled activity |
| activity\_dateuploaded | Date |  | Date of activity scheduled |
| activityschedule\_category | Varchar(20) |  | Category of activity schedule |
| activityschedule\_agegroup | Int |  | Age groups |
| schho\_id | Int | Foreign key | Id of school |

Table no:5.3.12

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name**: REPORT** Primary Key: report\_id | | | |
| Description: Details of the report Number of Fields:7 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| report\_id | Int | Primary key | Id of the report |
| report\_name | Varchar(50) |  | Name of the report |
| report\_docpath | Varchar(20) |  | Path of report document |
| report\_doctype | Varchar(50) |  | Type of document |
| report\_docextension | Varchar(5) |  | Extension of document |
| report\_docstatus | Varchar(10) |  | Status of report |
| report\_docdate | Date |  | Date of the report |

Table no:5.3.13

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name**: PAYEMENT** Primary Key: payment\_id | | | |
| Description: Details of payment activity Number of Fields:11 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| payment\_id | Int | Primary key | Id of the payment |
| payment\_name | Varchar(50) |  | Name of the payment |
| payment\_date | Date |  | Date of the payment |
| payment\_amount | Int |  | Amount paid |
| payment\_mode | Varchar(20) |  | Mode of payment |
| payment\_time | Time |  | Time of payment |
| payment\_type | Varchar(30) |  | Type of payment |
| payment\_paidto | Varchar(30) |  | Amount paid to info |
| payment\_note | Varchar(100) |  | Note for payment |
| payment\_receiptpath | Varchar(50) |  | Receipt path of payment |
| payment\_status | Varchar(10) |  | Status of payment |

Table no:5.3.14

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name**: CHILD QR CODE** Primary Key: childqr\_id | | | |
| Description: Details of child’s qr code Number of Fields:6 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| childqr\_id | Int | Primary key | Id of the child’s qr code |
| childqr\_filepath | Varchar(50) |  | Path of file |
| childqr\_filename | Varchar(20) |  | Name of file |
| childqr\_fileextension | Varchar(20) |  | Extension of file |
| childqr\_status | Varchar(20) |  | Status of qr code |
| child\_id | Int | Foreign key | Id of child |

Table no:5.3.15

|  |  |  |  |
| --- | --- | --- | --- |
| Table Name**: FACULTY QR CODE** Primary Key: facultyqr\_id | | | |
| Description: Details of faculty’s qr code Number of Fields:6 | | | |
| **Field name** | **Data type** | **Constrains** | **Description** |
| facultyqr\_id | Int | Primary key | Id of the faculty’s qr code |
| facultyqr\_filepath | Varchar(50) |  | Path of file |
| facultyqr\_filename | Varchar(20) |  | Name of file |
| facultyqr\_fileextension | Varchar(20) |  | Extension of file |
| facultyqr\_status | Varchar(20) |  | Status of qr code |
| faculty\_id | Int | Foreign key | Id of faculty |