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| --- | --- | --- | --- | --- |
| Table Name | Column Name | Description | Data Type | Constraints |
| Students | student\_id | Unique identifier for each student | Integer | Primary Key, Auto-increment |
| Students | student\_name | Full name of the student | String | Max 50 characters, Not Null |
| Students | date\_of\_birth | Student’s date of birth | Date | Format: DD-MM-YYYY |
| Students | email | Student’s email address | String | Max 100 characters, Unique, Not Null |
| Students | phone\_number | Student’s contact number | String | 10 digits, Unique, Not Null |
| Students | address | Residential address of the student | Text | Not Null |
| Courses | course\_id | Unique identifier for each course | Integer | Primary Key, Auto-increment |
| Courses | course\_name | Name of the course | String | Max 100 characters, Unique, Not Null |
| Teachers | teacher\_id | Unique identifier for each teacher | Integer | Primary Key, Auto-increment |
| Teachers | teacher\_name | Full name of the teacher | String | Max 50 characters, Not Null |
| Enrollment | enrollment\_id | Unique identifier for enrollment | Integer | Primary Key, Auto-increment |
| Enrollment | student\_id | Link to Students Table | Integer | Foreign Key, References student\_id |
| Enrollment | course\_id | Link to Courses Table | Integer | Foreign Key, References course\_id |
| Enrollment | enrollment\_date | Date of enrollment | Timestamp | Default: Current Time |
| Attendance | attendance\_id | Unique identifier for attendance | Integer | Primary Key, Auto-increment |
| Attendance | student\_id | Link to Students Table | Integer | Foreign Key, References student\_id |
| Attendance | course\_id | Link to Courses Table | Integer | Foreign Key, References course\_id |
| Attendance | attendance\_status | Present or Absent | Char(1) | Values: 'P', 'A' |
| Attendance | attendance\_date | Date of attendance | Date | Format: DD-MM-YYYY |
| Grades | grade\_id | Unique identifier for grades | Integer | Primary Key, Auto-increment |
| Grades | student\_id | Link to Students Table | Integer | Foreign Key, References student\_id |
| Grades | course\_id | Link to Courses Table | Integer | Foreign Key, References course\_id |
| Grades | marks | Student’s marks | Decimal(5,2) | Range: 0-100 |
| Grades | grade | Final grade assigned | Char(2) | Values: A+, A, B, C, D, F |
| Parents | parent\_id | Unique identifier for parents | Integer | Primary Key, Auto-increment |
| Parents | parent\_name | Full name of the parent | String | Max 50 characters, Not Null |
| Student-Parent | student\_id | Link to Students Table | Integer | Foreign Key, References student\_id |
| Student-Parent | parent\_id | Link to Parents Table | Integer | Foreign Key, References parent\_id |
| Performance Reports | report\_id | Unique identifier for reports | Integer | Primary Key, Auto-increment |
| Performance Reports | student\_id | Link to Students Table | Integer | Foreign Key, References student\_id |
| Performance Reports | generated\_at | Timestamp of report generation | Timestamp | Default: Current Time |
| Performance Reports | report\_file | URL to the report file | Text | Stored in Supabase Storage |
| Performance Requests | request\_id | Unique identifier for requests | Integer | Primary Key, Auto-increment |
| Performance Requests | student\_id | Link to Students Table | Integer | Foreign Key, References student\_id |
| Performance Requests | parent\_id | Link to Parents Table | Integer | Foreign Key, References parent\_id |
| Performance Requests | request\_date | Timestamp of request | Timestamp | Default: Current Time |
| Performance Requests | status | Request status | Boolean | FALSE = Pending, TRUE = Completed |