|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Student table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Stud NO. | Short | 2 | 0000 |  | Primary key |  | 0011 |
| Stud ID. | Integer | 4 | 000000 | Must be a number of 6 characters | To store the id of the student for outputs |  | 112544 |
| Forename | String | 60 | xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx | Must contain no non-letter or hyphen characters | To store the name of the student for outputs |  | Jason |
| Surname | String | 60 | xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx | Must contain no non-letter or hyphen characters | To store the name of the student for outputs |  | Scott |
| Year | byte | 1 | 00 | Must be between 12 and 15 | Purpose to help divide between the years which will have separate consultation evenings |  | 13 |
| Form | string | 10 | xxx00 | Must be 3 letters followed by 2 numbers | To store the form of the student for outputs. |  | SLA23 |
| E-mail | string | 100 |  | Must be in the format of a email | To store the e-mail of the student to contact their parent or guardian |  |  |
| Telephone NO. | String | 100 | 00000 000000 | Must be 5 numbers a space and then 6 numbers | To store the phone number of the student to contact their parent or guardian |  |  |
|  |  |  |  |  |  |  |  |
| Teacher table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Staff NO | short | 2 | 000 |  | Primary key |  |  |
| Forename | string | 60 | xxxxxxxxxx  xxxxxxxxxx  xxxxxxxxxx | Must only contain hyphens and letter characters | To store the teachers name for outputs |  |  |
| Surname | string | 60 | xxxxxxxxxx  xxxxxxxxxx  xxxxxxxxxx | Must only contain hyphens and letter characters | To store the teachers name for outputs |  |  |
| e-mail | String | 100 |  | Must fit the format of a email address | To be used to contact the teacher as to the dates of appointments |  |  |
|  |  |  |  |  |  |  |  |
| Student availablity table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Stud av NO. | Integer | 4 |  |  | Primary key |  |  |
| Stud NO. | Short | 2 | 0000 |  | Foreign key |  |  |
| Day | Byte | 1 | 00 |  | Foreign key |  |  |
| slot | byte | 1 |  |  |  |  |  |
| Available | Boolean |  |  |  | to store whether the student is available |  |  |
|  |  |  |  |  |  |  |  |
| Teacher availability table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Staff av no. |  |  |  |  | Primary key |  |  |
| Staff no. |  |  |  |  |  |  |  |
| day |  |  |  |  |  |  |  |
| slot |  |  |  |  |  |  |  |
| available |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Day table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Day |  |  |  |  | Primary key |  |  |
| Start |  |  |  |  |  |  |  |
| End |  |  |  |  |  |  |  |
| Length | integer |  |  | It will be from a selection of 5 to 10 mins | It is used to work out how many appointments. If 5 1 hour blocks and if 10 an hour and a half |  |  |
|  |  |  |  |  |  |  |  |
| Appointments table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Day |  |  |  |  | Primary key / Foreign key |  |  |
| Lesson |  |  |  |  | Primary key / Foreign key |  |  |
| appointment |  |  |  | Must when multiplied by the apointment length be within the start to end time. | Stores the time as the slot |  |  |
|  |  |  |  |  |  |  |  |
| Lesson table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Stud NO. |  |  |  |  |  |  |  |
| Staff NO. |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
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