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| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | [000000@wake.ac.uk](mailto:000000@wake.ac.uk) | Must be in the format of a email | To store the e-mail of the student to contact their parent or guardian | Will use school email to make it easily checkable | [112544@Wake.ac.uk](mailto:112544@Wake.ac.uk) |
| 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 |  | 01702 258951 |
|  |  |  |  |  |  |  |  |
| Teacher table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Staff NO | short | 2 | 000 |  | Primary key |  | 032 |
| Forename | string | 60 | xxxxxxxxxx  xxxxxxxxxx  xxxxxxxxxx | Must only contain hyphens and letter characters | To store the teachers name for outputs |  | Jane |
| Surname | string | 60 | xxxxxxxxxx  xxxxxxxxxx  xxxxxxxxxx | Must only contain hyphens and letter characters | To store the teachers name for outputs |  | Law |
| e-mail | String | 100 | xxxxx@Wake.ac.uk | Must fit the format of a email address | To be used to contact the teacher as to the dates of appointments | Will use school email which will make it easy to generate. | JLaw@wake.ac.uk |
|  |  |  |  |  |  |  |  |
| Stud av table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| appointment | byte | 1 | 000 | Must be in staff av table | Primary key |  | 12 |
| Stud NO. | Short | 2 | 0000 |  | Primary key / Foreign key |  | 0011 |
| Day | Byte | 1 | 00 |  | Primary key / Foreign key |  | 1 |
| Available | Boolean | 2 | True / False |  | to store whether the student is available |  | True |
|  |  |  |  |  |  |  |  |
| Staff av table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Appointment | Byte | 1 | 000 | Must be in stud av table | Primary key |  | 001 |
| Staff no. | Short | 2 | 000 |  | Primary / Foreign key |  | 0012 |
| day | Byte | 1 | 00 |  | Primary / foreign key |  | 01 |
| available | Boolean | 2 | True/False |  | Store weather or not they are able to do that appointment |  | false |
|  |  |  |  |  |  |  |  |
| Day table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Day | byte | 1 | 00 |  | Primary key |  | 03 |
| Start | Date |  | hh/mm |  | Records the start time |  | 0600 |
| End | Date |  | hh/mm | Must be atleast an hour and a half after start | Records the end time |  | 0830 |
| Length | byte | 1 | 5|10 | 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 | There will be a drop down | 10 |
|  |  |  |  |  |  |  |  |
| Appointments table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Day | Byte | 1 | 00 |  | Primary key / Foreign key |  | 01 |
| Lesson NO. | Short | 2 | 0000 |  | Primary key / Foreign key |  | 0456 |
| appointment | byte | 2 | 0000 | Must when multiplied by the apointment length be within the start to end time. | Stores the time as the slot |  | 0023 |
|  |  |  |  |  |  |  |  |
| Lesson table | | | | | | | |
| Field name | Data type | Length (bytes) | Format | Validation | Purpose | coments | Example data |
| Lesson NO. | Short | 2 | 0000 |  | Primary key |  | 0124 |
| Stud NO. | Short | 2 | 0000 |  | Foreign key |  | 0011 |
| Staff NO. | Short | 2 | 0000 |  | Foreign key |  | 024 |
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