**Data Dictionary:**

**User Table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Length | Primary Key | Foreign Key | Reference Table |
| user\_id | Int | 50 | Yes |  |  |
| user\_email | varchar | 70 |  |  |  |
| password | varchar | 90 |  |  |  |
| user\_role | varchar | 80 |  |  |  |
| user\_status | int | 10 |  |  |  |

**Staff\_type Table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Length | Primary Key | Foreign Key | Reference Table |
| staff\_type\_id | varchar | 82 | Yes |  |  |
| staff\_type\_name | varchar | 120 |  |  |  |

**Department Table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Length | Primary Key | Foreign Key | Reference Table |
| department\_id | varchar | 100 | Yes |  |  |
| department\_name | varchar | 90 |  |  |  |
| discription | varchar | 150 |  |  |  |
| department\_status | int | 15 |  |  |  |

**Staff Table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Length | Primary Key | Foreign Key | Reference Table |
| staff\_id | varchar | 69 | Yes |  |  |
| staff\_first\_name | varchar | 100 |  |  |  |
| staff\_last\_name | varchar | 100 |  |  |  |
| staf\_address | varchar | 120 |  |  |  |
| gender | varchar | 50 |  |  |  |
| staff\_type\_id | varchar | 82 |  | Yes | Staff\_type |
| user\_id | int | 50 |  | Yes | User |
| department\_id | varchar | 100 |  | Yes | Department |

**Student Table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Length | Primary Key | Foreign Key | Reference Table |
| student\_id | varchar | 80 | Yes |  |  |
| student\_first\_name | varchar | 120 |  |  |  |
| student\_last\_name | varchar | 120 |  |  |  |
| student\_address | varchar | 150 |  |  |  |
| contact\_number | varchar | 40 |  |  |  |
| student\_gender | varchar | 35 |  |  |  |
| user\_id | int | 50 |  | Yes | User |
| department\_id | varchar | 82 |  | Yes | Department |

**Topic Table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Length | Primary Key | Foreign Key | Reference Table |
| topic\_id | varchar | 70 | Yes |  |  |
| topic\_title | varchar | 80 |  |  |  |
| topic\_description | varchar | 150 |  |  |  |
| start\_date | datetime |  |  |  |  |
| closure\_date | datetime |  |  |  |  |
| final\_closuer\_date | datetime |  |  |  |  |
| topic\_status | int | 15 |  |  |  |
| staff\_id | varchar | 69 |  | Yes | Staff |

**Idea Table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Length | Primary Key | Foreign Key | Reference Table |
| idea\_id | varchar | 65 | Yes |  |  |
| idea\_title | varchar | 96 |  |  |  |
| idea\_description | varchar | 250 |  |  |  |
| start\_date | datetime |  |  |  |  |
| closure\_date | datetime |  |  |  |  |
| final\_closure\_date | datetime |  |  |  |  |
| topic\_status | int | 15 |  |  |  |
| topic\_id | varchar | 70 |  | Yes | Topic |
| student\_id | varchar | 80 |  | Yes | Student |

**Attachment Table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Length | Primary Key | Foreign Key | Reference Table |
| attachment\_id | varchar | 59 | Yes |  |  |
| attachment\_details | varchar | 89 |  |  |  |
| idea\_id | varchar | 65 |  | Yes | Idea |

**Comment Table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Length | Primary Key | Foreign Key | Reference Table |
| comment\_id | varchar | 77 | Yes |  |  |
| comment\_description | varchar | 120 |  |  |  |
| author\_name | varchar | 88 |  |  |  |
| comment\_date | datetime |  |  |  |  |
| idea\_id | varchar | 65 |  | Yes | Idea |
| user\_id | int | 50 |  | Yes | User |

**Reaction Table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Length | Primary Key | Foreign Key | Reference Table |
| reaction\_id | varchar | 84 | Yes |  |  |
| reaction\_type | varchar | 69 |  |  |  |
| user\_id | int | 50 |  | Yes | User |
| idea\_id | varchar | 65 |  | Yes | Idea |