TABLE SPECIFICATIONS

Database-I

Staff

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| staffs | | | |
| staff\_id | VARCHAR2(5) | PK |  |
| staff\_firstname | VARCHAR2(15) | UPPER,NN |  |
| staff\_lastname | VARCHAR2(15) | UPPER,NN |  |
| town | VARCHAR2(10) |  |  |
| city | VARCHAR2(10) |  |  |
| country | VARCHAR2(10) |  | ‘UK’ |
| department | VARCHAR2(5) |  |  |
| contact\_number | VARCHAR2(15) | UNIQUE,NN |  |
| email | VARCHAR2(25) | UNIQUE |  |
| enrolled | VARCHAR2(5) | Y,N | Y |
| post | NUMBER(10) |  |  |
| date\_registered | DATE |  |  |

Team

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| teams | | | |
| team\_id | VARCHAR2(5) | PK |  |
| team\_details | VARCHAR2(200) |  |  |
| task\_id | VARCHAR2(5) | FK |  |
| task\_name | VARCHAR2(15) | UPPER |  |
| team\_name | VARCHAR2(15) | UPPER |  |
| team\_member | VARCHAR2(15) |  |  |
| staff\_id | VARCHAR2(5) | FK |  |

Task

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| tasks | | | |
| task\_id | VARCHAR2(5) | PK |  |
| project\_id | VARCHAR2(5) | UPPER, UNIQUE |  |
| priority | VARCHAR2(5) |  |  |
| task\_description | VARCHAR2(200) |  |  |
| task\_budget | VARCHAR2(15) |  |  |
| planned\_start\_date | DATE |  |  |
| planned\_end\_date | DATE |  |  |
| planned\_expenses | NUMBER |  |  |
| actual\_expenes | NUMBER |  |  |
| actual\_start\_time | DATE |  |  |
| actual\_end \_time | DATE |  |  |

Task expense

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| task\_expenses | | | |
| task\_id | VARCHAR2(5) | FK |  |
| item\_id | VARCHAR2(5) | PK |  |
| item\_name | VARCHAR2(20) |  |  |
| item\_description | VARCHAR2(100) |  |  |
| reimburse | VARCHAR2(10) |  |  |

Skill

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| skills | | | |
| skill\_id | VARCHAR2(5) | PK |  |
| skill\_type | VARCHAR2(20) |  |  |
| skill\_weight | VARCHAR2(5) |  |  |
| skill\_level | VARCHAR2(20) | CHECK IN (1,2,3,4) |  |
| skill\_domain | VARCHAR2(20) |  |  |
| experience | VARCHAR(200) |  |  |
| degree | VARCHAR(50) |  | Bachelor |

Skill\_set

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| skills\_sets | | | |
| skill\_id | VARCHAR2(5) | FK |  |
| staff\_id | VARCHAR2(5) | FK |  |
| staff\_skill\_level | NUMBER(4,2) | PK |  |

Consultation

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| consultations | | | |
| consultation\_id | VARCHAR2(5) | PK |  |
| team\_id | VARCHAR2(5) | FK |  |
| address | VARCHAR2(15) |  |  |
| task\_phase\_id | VARCHAR2(5) | FK |  |
| location | VARCHAR2(15) |  |  |
| meeting\_date | DATE |  |  |
| start\_time | DATE |  |  |
| end\_late | DATE |  |  |
| task\_list | VARCHAR2(100) |  |  |

Action

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| actions | | | |
| action\_id | VARCHAR2(5) | PK |  |
| owner\_firstname | VARCHAR2(15) | UPPER,NN |  |
| owner\_lastname | VARCHAR2(15) | UPPER,NN |  |
| deadline | DATE |  |  |
| owner\_approval | VARCHAR2(5) | Y,N | y |
| agreed\_id | VARCHAR2(5) | UNIQUE |  |
| unagreed\_id | VARCHAR2(5) | UNIQUE |  |
| consulation\_id | VARCHAR2(5) | FK |  |

Phase

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| phases | | | |
| phase\_id | VARCHAR2(5) | PK |  |
| phase\_name | VARCHAR2(15) | UPPER |  |
| progress\_detail | VARCHAR2(500) |  | Development |
| deadline\_extension | DATE |  |  |
| time\_spent | DATE |  |  |
| parent\_phase | VARCHAR2(15) |  |  |
| child\_phase | VARCHAR2(15) |  |  |

Task\_phase

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| task\_phases | | | |
| task\_phase\_id | VARCHAR2(5) | PK |  |
| phase\_id | VARCHAR2(5) | FK |  |
| task\_id | VARCHAR2(5) | FK |  |

Requirement

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| requirements | | | |
| software\_detail | VARCHAR2(200) |  |  |
| requirement\_id | VARCHAR2(5) | PK |  |
| software\_cost | VARCHAR2(8) |  |  |
| training\_details | VARCHAR2(200) |  |  |
| training\_cost | VARCHAR2(10) |  |  |
| requirments\_name | VARCHAR2(15) | UPPER |  |

task\_requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| task\_requirements | | | |
| task\_requirement\_id | VARCHAR2(5) | PK |  |
| task\_id | VARCHAR2(5) | FK |  |
| requirement\_id | VARCHAR2(5) | FK |  |

CREATE TABLE books(

isbn NUMBER(2),

title VARCHAR2(15),

note VARCHAR2(50),

author VARCHAR2(12),

publisher VARCHAR2(15),

date\_published DATE,

edition NUMBER(2)

) ;

CREATE TABLE staffs(

staff\_id VARCHAR2(5) UPPER,NOT NULL,

staff\_firstame VARCHAR2(15) UPPER,NOT NULL,

staff\_lastname VARCHAR2(15),

town VARCHAR2(10),

city VARCHAR2(10),

country VARCHAR2(10)

department VARCHAR2(5),

skill\_set\_id VARCHAR2(5),

contact\_number VARCHAR2(15) UPPER,NOT NULL,

email VARCHAR2(25) UPPER,NOT NULL,

enrolled VARCHAR2(5) DEFAULT 'Y' ,

post NUMBER(10),

date\_registered DATE DEFAULT 'sysdate'

PRIMARY KEY ();

);