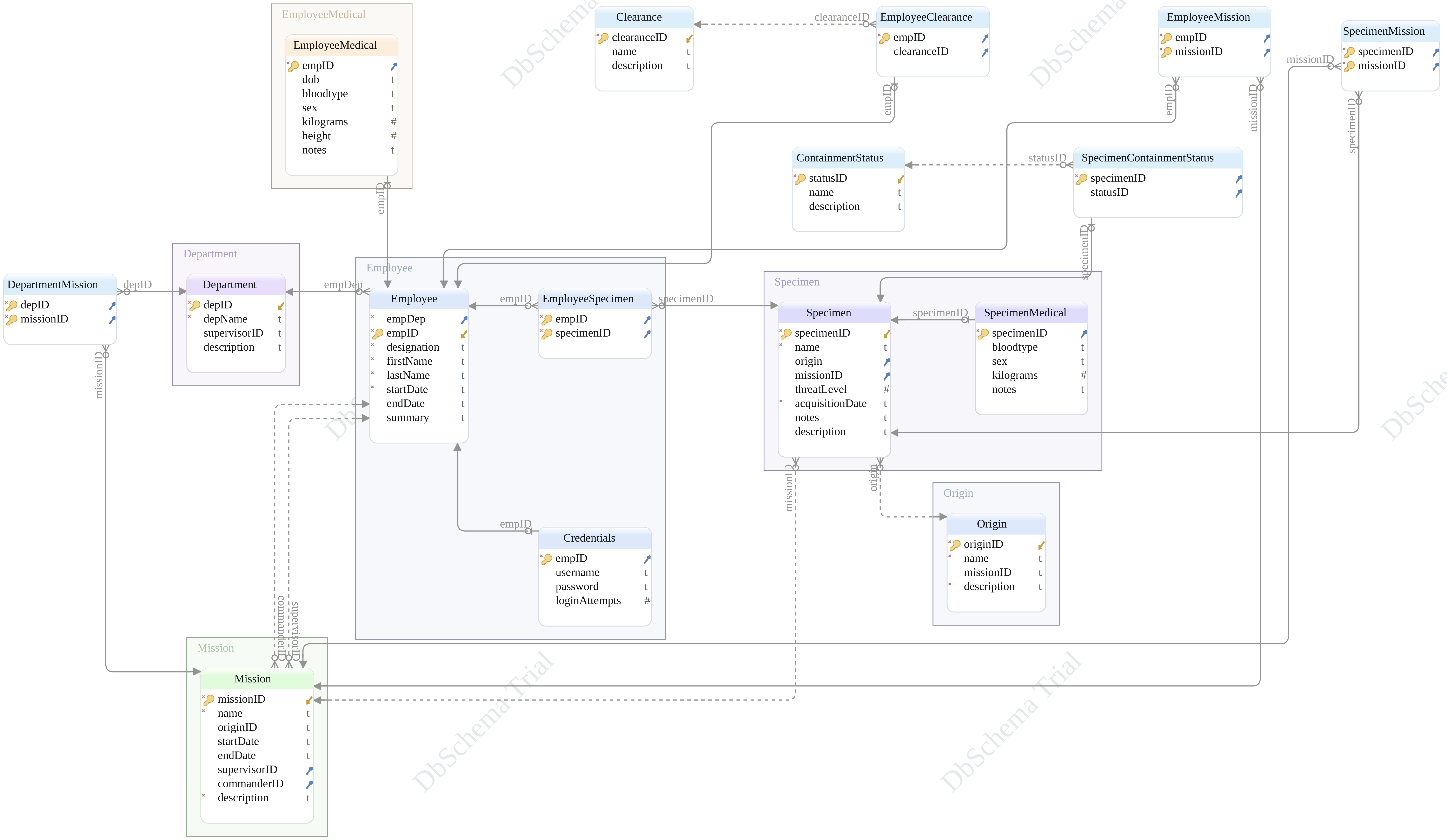
F-SEA Database

3-05-2023 by DbSchema.com - Wise Coders

Layouts

Tables


EmployeeMedical
EmployeeMedical
empID
dob
bloodtype
sex
kilograms
height
notes
Clearance
clearanceID
name
description
clearanceID
EmployeeClearance
empID
clearanceID
empID
EmployeeMission
empID
missionID
empID
missionID
missionID
SpecimenMission
specimenID
missionID
specimenID
ContainmentStatus
statusID
name
description
statusID
SpecimenContainmentStatus
specimenID
statusID
specimenID
Department
DepartmentMission
depID
missionID
depID
Department
depID
depName
supervisorID
description
empDep
empID
missionID
Employee
Employee
empDep
empID
designation
firstName
lastName
startDate
endDate
summary
empID
EmployeeSpecimen
empID
specimenID
specimenID
Specimen
Specimen
specimenID
name
origin
missionID
threatLevel
acquisitionDate
notes
description
specimenID
SpecimenMedical
specimenID
bloodtype
sex
kilograms
notes
missionID
origin
Origin
Origin
originID
name
missionID
description
empID
Credentials
empID
username
password
loginAttempts
commanderID
supervisorID
Mission
Mission
missionID
name
originID
startDate
endDate
supervisorID
commanderID
description

Main Layout

Table Clearance

* Pk	clearanceID	INTEGER
	name	TEXT
	description	TEXT
Indexes		
Unq	unq_Clearance_clearanceID	clearanceID
Pk	pk_Clearance	clearanceID

Table ContainmentStatus

* Pk	statusID	INTEGER
	name	TEXT
	description	TEXT
Indexes		
Unq	unq_ContainmentStatus_statusID	statusID
Pk	pk_ContainmentStatus	statusID

Table Credentials

* Pk	empID	TEXT
	username	TEXT
	password	TEXT
	loginAttempts	INTEGER
Indexes		
Unq	unq_Credentials_empID	empID
Pk	pk_Credentials	empID
Foreign Keys		
	employeeID (empID) ref Employee (empID)	

Table Department

* Pk	depID	INTEGER
*	depName	TEXT
	supervisorID	TEXT
	description	TEXT
Indexes		
Unq	unq_Department_depID	depID
Pk	pk_Department	depID
Triggers		

Table Department

department_fts_delete

```
CREATE TRIGGER department_fts_delete AFTER DELETE ON Department
        BEGIN
          DELETE FROM Department_fts
          WHERE depID = old.depID;
        END
```

department_fts_insert

```
CREATE TRIGGER department_fts_insert AFTER INSERT ON Department
        BEGIN
          INSERT INTO Department_fts (depID, depName, supervisorID, description)
          VALUES (new.depID, new.depName, new.supervisorID, new.description);
        END
```

department_fts_update

```
CREATE TRIGGER department_fts_update AFTER UPDATE ON Department
        BEGIN
          UPDATE Department_fts
          SET depID = new.depID,
            depName = new.depName,
            supervisorID = new.supervisorID,
            description = new.description
          WHERE depID = old.depID;
        END
```

Table DepartmentMission

* Pk	depID	TEXT
* Pk	missionID	TEXT

Indexes

Pk	pk_DepartmentMission	depID, missionID

Foreign Keys

	depID_0 (depID) ref Department (depID)
	missionID_2 (missionID) ref Mission (missionID)

Table Employee

*	empDep	INTEGER
* Pk	empID	TEXT
*	designation	TEXT
*	firstName	TEXT
*	lastName	TEXT
*	startDate	TEXT
	endDate	TEXT
	summary	TEXT

Indexes

Unq	unq_Employee_empID	empID

Table Employee

Pk	pk_Employee	empID
Foreign Keys		
	FK_Employee Department (empDep) ref Department (depID)	
Constraints		
	Cns_Employee_designation	designation IN ('ADMIN', 'CAPTAIN', 'ENGINEER', 'GEOLOGIST', 'CHEMIST', 'SUPERVISOR', 'IT', 'SOLDIER', 'BIOLOGIST')
	Cns_Employee_firstName	LENGTH(firstName) <= 50
	Cns_Employee_lastName	LENGTH(lastName) <= 50

Triggers

emp_deletes

```
CREATE TRIGGER emp_deletes AFTER DELETE ON Employee
        BEGIN
          DELETE FROM Employee_fts
          WHERE empID = old.empID;
        END
```

emp_fts_update

```
CREATE TRIGGER emp_fts_update AFTER UPDATE ON Employee
        BEGIN
          UPDATE Employee_fts
          SET empID = new.empID,
            empDep = new.empDep,
            designation = new.designation,
            firstName = new.firstName,
            lastName = new.lastName,
            summary = new.summary
          WHERE empID = old.empID;
        END
```

emp_inserts

```
CREATE TRIGGER emp_inserts AFTER INSERT ON Employee
          BEGIN
            INSERT INTO Employee_fts (empID, empDep, designation, firstName, lastName, summary)
            VALUES (new.empID, new.empDep, new.designation, new.firstName, new.lastName, new.summary);
            INSERT INTO EmployeeMedical(empID)
            VALUES (new.empID);
            INSERT INTO Credentials (empID)
            VALUES (new.empID);
            INSERT INTO EmployeeClearance (empID)
            VALUES (new.empID);
          END
```

Table EmployeeClearance

* Pk	empID	TEXT
	clearanceID	INTEGER
Indexes		
Unq	unq_EmployeeClearance_empID	empID
Pk	pk_EmployeeClearance	empID
Foreign Keys		

Table EmployeeClearance

	employeeID_0 (empID) ref Employee (empID)	
	clearanceID_0 (clearanceID) ref Clearance (clearanceID)	

Table EmployeeMedical

* Pk	empID	TEXT
	dob	TEXT
	bloodtype	TEXT
	sex	TEXT
	kilograms	REAL
	height	REAL
	notes	TEXT
Indexes		
Unq	unq_EmployeeMedical_empID	empID
Pk	pk_EmployeeMedical	empID
Foreign Keys		
	empID (empID) ref Employee (empID)	
Constraints		
	Cns_EmployeeMedical_bloodtype	bloodtype IN ('A+', 'O+', 'B+', 'AB+', 'A-', 'O-', 'B-', 'AB-', 'V-', 'V+', 'BF', 'undefined')
	Cns_EmployeeMedical_sex	sex IN ('m', 'f', 'inter', 'unknown', 'undefined')

Table EmployeeMission

* Pk	empID	TEXT
* Pk	missionID	TEXT
Indexes		
Pk	pk_EmployeeMission	empID, missionID
Foreign Keys		
	empID_0 (empID) ref Employee (empID)	
	missionID_0 (missionID) ref Mission (missionID)	

Table EmployeeSpecimen

* Pk	empID	TEXT
* Pk	specimenID	TEXT
Indexes		
Pk	pk_EmployeeSpecimen	empID, specimenID
Foreign Keys		
	employeeID (empID) ref Employee (empID)	

Table EmployeeSpecimen

	specimenID (specimenID) ref Specimen (specimenID)

Table Mission

* Pk	missionID	TEXT
*	name	TEXT
	originID	TEXT
	startDate	TEXT
	endDate	TEXT
	supervisorID	TEXT
	commanderID	TEXT
*	description	TEXT

Indexes

Unq	unq_Mission_missionID	missionID
Pk	pk_Mission	missionID

Foreign Keys

	FK_Mission Employee_001 (supervisorID) ref Employee (empID)
	FK_Mission Employee (commanderID) ref Employee (empID)

Triggers

mission_fts_delete

```
CREATE TRIGGER mission_fts_delete AFTER DELETE ON Mission
        BEGIN
          DELETE FROM Mission_fts
          WHERE missionID = old.missionID;
        END
```

mission_fts_insert

```
CREATE TRIGGER mission_fts_insert AFTER INSERT ON Mission
          BEGIN
            INSERT INTO Mission_fts (missionID, name, originID, startDate, endDate, commanderID, supervisorID, description)
            VALUES (new.missionID, new.name, new.originID, new.startDate, new.endDate, new.commanderID, new.supervisorID, new.description);
          END
```

mission_fts_update

```
CREATE TRIGGER mission_fts_update AFTER UPDATE ON Mission
          BEGIN
            UPDATE Mission_fts
            SET missionID = new.missionID,
              name = new.name,
              originID = new.originID,
              startDate = new.startDate,
              endDate = new.endDate,
              commanderID = new.commanderID,
              supervisorID = new.supervisorID,
              description = new.description
            WHERE missionID = old.missionID;
          END
```

Table Origin

* Pk	originID	TEXT
*	name	TEXT
	missionID	TEXT
*	description	TEXT

Indexes

Unq	unq_Origin_originID	originID
Pk	pk_Origin	originID

Triggers

origin_fts_delete

```
CREATE TRIGGER origin_fts_delete AFTER DELETE ON Origin
        BEGIN
          DELETE FROM Origin_fts
          WHERE originID = old.originID;
        END
```

origin_fts_insert

```
CREATE TRIGGER origin_fts_insert AFTER INSERT ON Origin
        BEGIN
          INSERT INTO Origin_fts (originID, name, missionID, description)
          VALUES (new.originID, new.name, new.missionID, new.description);
        END
```

origin_fts_update

```
CREATE TRIGGER origin_fts_update AFTER UPDATE ON Origin
        BEGIN
          UPDATE Origin_fts
          SET originID = new.originID,
            name = new.name,
            missionID = new.missionID,
            description = new.description
          WHERE originID = old.originID;
        END
```

Table Specimen

* Pk	specimenID	TEXT
*	name	TEXT
	origin	TEXT
	missionID	TEXT
	threatLevel	REAL
*	acquisitionDate	TEXT
	notes	TEXT
	description	TEXT

Indexes

Unq	unq_Specimen_specimenID	specimenID
Pk	pk_Specimen	specimenID

Table Specimen

Foreign Keys

	originID (origin) ref Origin (originID)
	missionID (missionID) ref Mission (missionID)

Triggers

	specimen_fts_delete

```
CREATE TRIGGER specimen_fts_delete AFTER DELETE ON Specimen
    BEGIN
      DELETE FROM Specimen_fts
      WHERE specimenID = old.specimenID;
    END
```

	specimen_fts_update

```
CREATE TRIGGER specimen_fts_update AFTER UPDATE ON Specimen
    BEGIN
      UPDATE Specimen_fts
      SET specimenID = new.specimenID,
        name = new.name,
        origin = new.origin,
        missionID = new.missionID,
        threatLevel = new.threatLevel,
        acquisitionDate = new.acquisitionDate,
        notes = new.notes,
        description = new.description
      WHERE specimenID = old.specimenID;
      UPDATE SpecimenMedical
      SET specimenID = new.specimenID
      WHERE specimenID = old.specimenID;
    END
```

	specimen_inserts

```
CREATE TRIGGER specimen_inserts AFTER INSERT ON Specimen
      BEGIN
        INSERT INTO Specimen_fts (specimenID, name, origin, missionID, threatLevel, acquisitionDate, notes, description)
        VALUES (new.specimenID, new.name, new.origin, new.missionID, new.threatLevel, new.acquisitionDate, new.notes, new.description);
        INSERT INTO SpecimenMedical (specimenID)
        VALUES (new.specimenID);
        INSERT INTO SpecimenContainmentStatus (specimenID)
        VALUES (new.specimenID);
      END
```

Table SpecimenContainmentStatus

* Pk	specimenID	TEXT
	statusID	INTEGER

Indexes

Unq	unq_SpecimenContainmentStatus_specimenID	specimenID
Pk	pk_SpecimenContainmentStatus	specimenID

Foreign Keys

	SpecimenID_1 (specimenID) ref Specimen (specimenID)
	statusID_0 (statusID) ref ContainmentStatus (statusID)

Table SpecimenMedical

* Pk	specimenID	TEXT
	bloodtype	TEXT
	sex	TEXT
	kilograms	REAL
	notes	TEXT
Indexes		
Pk	pk_SpecimenMedical	specimenID
Foreign Keys		
	specimenID (specimenID) ref Specimen (specimenID)	
Constraints		
	Cns_SpecimenMedical_bloodtype	bloodtype IN ('A+', 'O+', 'B+', 'AB+', 'A-', 'O-', 'B-', 'AB-', 'V-', 'V+', 'BF', 'undefined')
	Cns_SpecimenMedical_sex	sex IN ('m', 'f', 'inter', 'unknown', 'undefined')

Table SpecimenMission

* Pk	specimenID	TEXT
* Pk	missionID	TEXT
Indexes		
Pk	pk_SpecimenMission	specimenID, missionID
Foreign Keys		
	specimenID_0 (specimenID) ref Specimen (specimenID)	
	missionID_1 (missionID) ref Mission (missionID)	