Construcción de software
ITC

Equipo MEMEH

Semana 4

Avance 3
Proyecto Mer revisado

Tablas Correspondientes (Modelo Relacional Revisado) *(1 punto)**:** Establecerás las tablas con las que tu modelo se instrumentará en una base de datos relacional. Como te habrás dado cuenta en este caso solo son mejoras o refinamientos a tu avance anterior. Se espera que el modelo entregado haya sido revisado en compañía del profesor y nuevamente validado por el cliente.* ***(nombre del Mer_Revisado.doc)***

Commitment(commitment_id,description)
PK(commitment_id)
FK(commitment_id) references Employee(eid)

Object(object_id,description)
PK(object_id)
FK(object_id) references Project(pid)

Project(pid,name)
PK(pid)
FK(pid) references Employee(eid)

Workitem_state(workitem_state_id,name)
PK(workitem_state_id)

Employee(eid, name)
PK(eid)

WorkItem(workitem_id,name,estimation_hour,real_hour,plan_deliver_date,real_deliver_date,gain_value, description, purpose, worktype_id, create_eid, assign_eid, usecase_id, stakeholder_id, workitem_state_id)
PK(workitem_id)
FK(worktype_id) references WORKTYPE(worktype_id)
FK(workitem_state_id) references WORKITEM_STATE(workitem_state_id)
FK(create_eid) references Employee(eid)
FK(usecase_id) references Usecase(usecase_id)
FK(stakeholder_id) references StakeHolder(stakeholder_id)
Stakeholder

WorkType(worktype_id,name, phase_id)
PK(worktype_id)
FK(phase_id) references PHASE(phase_id)

Phase(phase_id,name)
PK(phase_id)

UseCase(usecase_id, AP, description,purpose,comment, usercase_state_id, pid, stakeholder_id)
PK(usecase_id)
FK(usercase_state_id) references USECASE_STATE(usecase_state_id)
FK(stakeholder_id) references STAKEHOLDER(stakeholder_id)

Usecase_state(usecase_state_id,name)
PK(usecase_state_id)

**Stakeholder(stakeholder_id,name)
PK(stakeholder_id)

Nuevo modelo

User(user_id, name, password, role_id, task_id)
PK(user_id)
FK(role_id) references ROLE(role_id)

Project(project_id, project_name, num_phases, tasks)
PK(project_id)
FK(tasks) references TASK(task_id)

Phase(phase_id, name, description)
PK(phase_id)

Project_Assignment(user_id, project_id, role_id)
PK(user_id)
FK(project_id) references PROJECT(project_id)

UserStory(story_id, project_id, user_id, stackholder_id)
PK(story_id)
FK(story_id) references TESTCASE(story_id)

Task(task_id, task_name, story_id,user_id, stackholder_id, description, project_id, worktype_id)
PK(task_id)
FK(story_id) references USERSTORY(story_id)
FK(user_id) references USER(user_id)
FK(stackholder_id) references STACKHOLDER(stackholder_id)

TestCase(test_id, story_id, user_id)
PK(test_id)

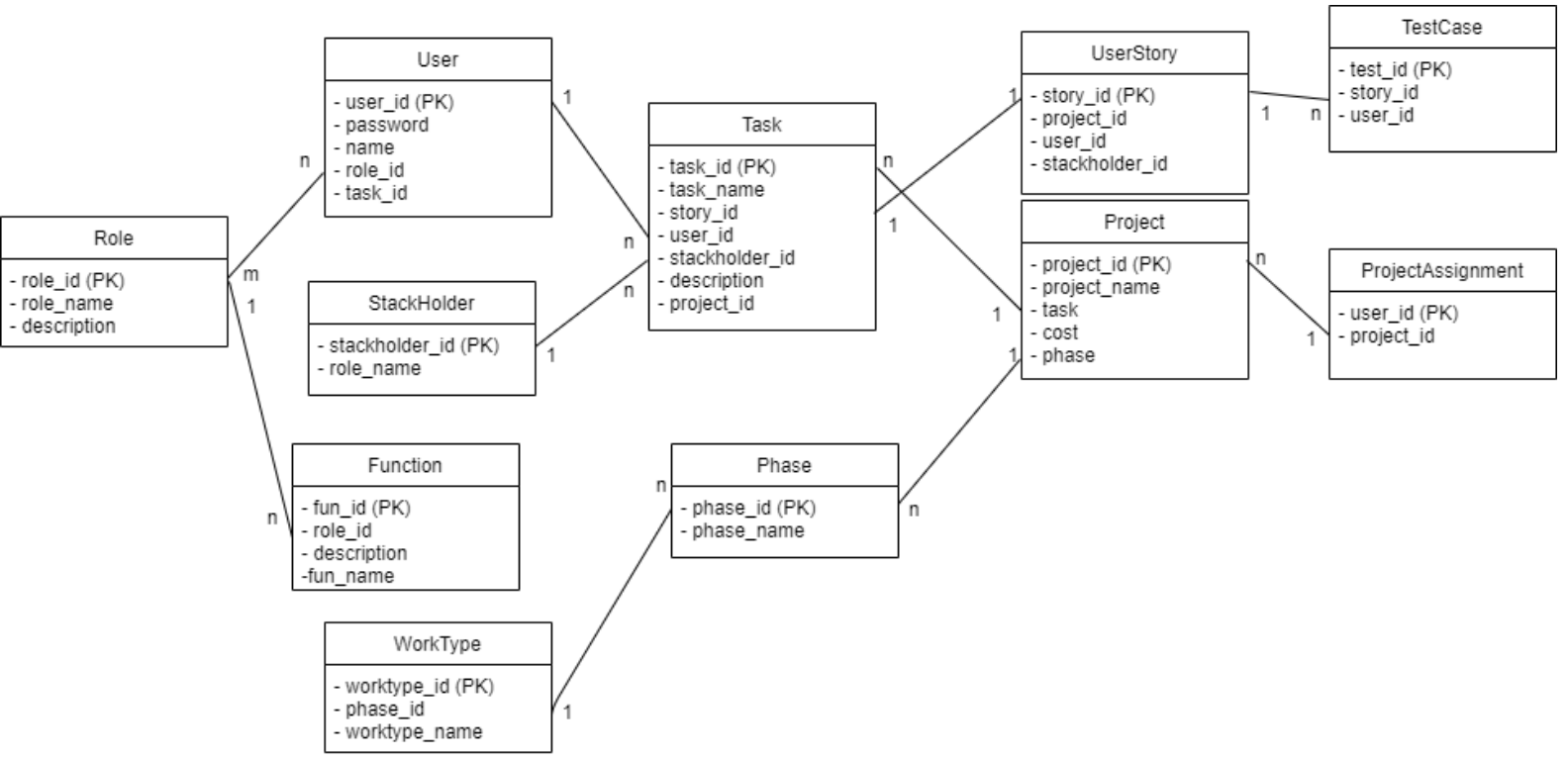
Role(role_id, role_name, description)
PK(role_id)
FK(role_id) references FUNCTION(role_id)

Function(fun_id, role_id)
PK(fun_id)

stackholder(stackholder_id, role_name)
PK(stackholder_id)

WorkType(worktype_id, phase_id worktype_name)
PK(worktype_id)
FK(phase_id) references PHASE(phase_id)

Modelo relacional


Role
- role_id (PK)
- role_name
- description
User
- user_id (PK)
- password
- name
- role_id
- task_id
StackHolder
- stackholder_id (PK)
- role_name
Function
- fun_id (PK)
- role_id
- description
-fun_name
WorkType
- worktype_id (PK)
- phase_id
- worktype_name
Task
- task_id (PK)
- task_name
- story_id
- user_id
- stackholder_id
- description
- project_id
Phase
- phase_id (PK)
- phase_name
UserStory
- story_id (PK)
- project_id
- user_id
- stackholder_id
Project
- project_id (PK)
- project_name
- task
- cost
- phase
TestCase
- test_id (PK)
- story_id
- user_id
ProjectAssignment
- user_id (PK)
- project_id
m
1
n
1
n
1
n
1
n
1
n
1
n
1
n
1
n
1
n
1
n
1

Tablas del proyecto** (2 puntos)**:** En base al modelo relacional que definiste en la entrega anterior, debes definir el script para crear las tablas, incluyendo los constraints de llaves primarias y foráneas. **(nombre del script estructura.sql)

Script

CREATE TABLE employee
(
Eid numeric(16),
Name varchar(64)
)

ALTER TABLE Employee add constraint llaveEmployee PRIMARY KEY (Eid)

CREATE TABLE workitem
(
workitem_id numeric(16),
estimation_hour numeric(8),
real_hour numeric(8),
plan_deliver_date DATETIME,
real_deliver_date DATETIME,
gain_value numeric(3,2),
description varchar(128),
purpose varchar(128)
)

ALTER TABLE workitem add constraint llaveWorkitem PRIMARY KEY (workitem_id)

CREATE TABLE workitem_state
(
workitem_state_id numeric(16),
Name varchar(64)
)

ALTER TABLE workitem_state add constraint llaveworkitem_state PRIMARY KEY (workitem_state_id)

CREATE TABLE WorkType //Historias de usuario?
(
worktype_id numeric(16),
Name varchar(64)
)

ALTER TABLE WorkType add constraint llaveWorkType PRIMARY KEY (worktype_id)

```
CREATE TABLE Phase
(
phase_id numeric(16),
Name varchar(64)
)
```

ALTER TABLE Phase add constraint llavePhase PRIMARY KEY (phase_id)

```
CREATE TABLE Project
(
Pid numeric(16),
Name varchar(64)
)
```

ALTER TABLE Project add constraint llaveProject PRIMARY KEY (Pid)

```
CREATE TABLE UseCase
(
usecase_id numeric(16),
AP numeric(16),
description varchar(128),
purpose varchar(128),
comment varchar(128)
)
```

ALTER TABLE UseCase add constraint llaveUseCase PRIMARY KEY (usecase_id)

```
CREATE TABLE Stakeholder
(
stakeholder_id numeric(16),
Name varchar(64)
)
```

ALTER TABLE Stakeholder add constraint llaveStakeholder PRIMARY KEY (stakeholder_id)

```
CREATE TABLE Commitment
(
commitment_id numeric(16),
description varchar(128)
)
```

ALTER TABLE Commitment add constraint llaveCommitment PRIMARY KEY (commitment_id)

CREATE TABLE Object
(
object_id numeric(16),
description varchar(128)
)

ALTER TABLE Object add constraint llaveObject PRIMARY KEY (object_id)

CREATE TABLE usecase_state
(
usecase_state_id numeric(16),
name varchar(64)
)

ALTER TABLE usecase_state add constraint llaveusecase_state PRIMARY KEY (usecase_state_id)

FORÁNEAS

ALTER TABLE Commitment add constraint COMemployeeid foreign key (Eid) references employee(Eid);

ALTER TABLE Object add constraint OBprojectid foreign key (Pid) references Project(Pid);

ALTER TABLE Project add constraint PRemployeeid foreign key (Eid) references employee(Eid);

ALTER TABLE workitem add constraint WORKwtypeid foreign key (worktype_id) references WorkType(worktype_id);

ALTER TABLE workitem add constraint WORKwstateid foreign key (workitem_state_id) references workitem_state(workitem_state_id);

ALTER TABLE workitem add constraint WORKemployeeid foreign key (Eid) references employee(Eid);

ALTER TABLE workitem add constraint WORKusecaseid foreign key (usecase_id) references UseCase(usecase_id);

ALTER TABLE workitem add constraint WORKstakeholderid foreign key (stakeholder_id) references Stakeholder(stakeholder_id);

ALTER TABLE WorkType add constraint WTYPEphaseid foreign key (phase_id) references Phase(phase_id);

ALTER TABLE UseCase add constraint CASEcasestateid foreign key (usecase_state_id) references usecase_state(usecase_state_id);

ALTER TABLE UseCase add constraint CASEstakeholderid foreign key (stakeholder_id) references Stakeholder(stakeholder_id);

10 Answers

Active | Oldest | Votes

200

drop constraint and recreate it

```
alter table Persion drop CONSTRAINT <constraint_name>

alter table Persion add primary key (persionId,Pname,PMID)
```

edit:

you can find the constraint name by using the query below:

```
select OBJECT_NAME(OBJECT_ID) AS NameofConstraint
FROM sys.objects
where OBJECT_NAME(parent_object_id)='Persion'
and type_desc LIKE '%CONSTRAINT'
```

Share Improve this answer Follow

edited Aug 3 '12 at 11:33

answered Aug 3 '12 at 11:19

Joe G Joseph

21.4k ● 4 ● 46 ● 55