

Podpůrný materiál k workshopu

Demonstrace návrh datového modelu

**A5M33IZS**

**Informační a znalostní systémy**

/\*==============================================================\*/

/\* DBMS name: PostgreSQL 7.3 \*/

/\* Created on: 3.3.2010 20:31:25 \*/

/\*==============================================================\*/

drop index EtapyStudia\_PK;

drop index SF\_FK;

drop index FormyStudia\_PK;

drop index "..\_FK";

drop index ".\_FK";

drop index Osoba\_PK;

drop index Skola\_PK;

drop index Student\_PK;

drop index Relationship\_7\_FK;

drop index Relationship\_8\_FK;

drop index Relationship\_9\_FK;

drop table EtapyStudia;

drop table Fakulta;

drop table FormyStudia;

drop table FunkceRektora;

drop table Osoba;

drop table Skola;

drop table Student;

drop table Studium;

/\*==============================================================\*/

/\* Table: EtapyStudia \*/

/\*==============================================================\*/

create table EtapyStudia (

KodEtapy CHAR(10) not null,

Nazev CHAR(10) null,

constraint PK\_ETAPYSTUDIA primary key (KodEtapy)

);

/\*==============================================================\*/

/\* Table: Fakulta \*/

/\*==============================================================\*/

create table Fakulta (

ICO CHAR(10) not null,

Nazev CHAR(10) null

);

/\*==============================================================\*/

/\* Table: FormyStudia \*/

/\*==============================================================\*/

create table FormyStudia (

KodFormy CHAR(10) not null,

Nazev CHAR(10) null,

constraint PK\_FORMYSTUDIA primary key (KodFormy)

);

/\*==============================================================\*/

/\* Table: FunkceRektora \*/

/\*==============================================================\*/

create table FunkceRektora (

RodneCislo CHAR(10) not null,

ICO CHAR(10) not null,

RektoremOd CHAR(10) null,

RektoremDo CHAR(10) null

);

/\*==============================================================\*/

/\* Table: Osoba \*/

/\*==============================================================\*/

create table Osoba (

Jmeno CHAR(20) null,

Prijmeni CHAR(10) null,

RodneCislo CHAR(10) not null,

DatumNarozeni DATE null,

constraint PK\_OSOBA primary key (RodneCislo)

);

/\*==============================================================\*/

/\* Table: Skola \*/

/\*==============================================================\*/

create table Skola (

Nazev CHAR(10) null,

Mesto CHAR(10) null,

ICO CHAR(10) not null,

Ulice CHAR(10) null,

Cislo CHAR(10) null,

constraint PK\_SKOLA primary key (ICO)

);

/\*==============================================================\*/

/\* Table: Student \*/

/\*==============================================================\*/

create table Student (

RodneCislo CHAR(10) not null,

ClenStudentskeUnie CHAR(10) null,

constraint PK\_STUDENT primary key (RodneCislo)

);

/\*==============================================================\*/

/\* Table: Studium \*/

/\*==============================================================\*/

create table Studium (

KodFormy CHAR(10) not null,

KodEtapy CHAR(10) not null,

RodneCislo CHAR(10) not null,

Od CHAR(10) null,

"Do" CHAR(10) null,

Uspech CHAR(10) null,

Etapa CHAR(10) null,

Forma CHAR(10) null

);

alter table Fakulta

 add constraint FK\_FAKULTA\_SF\_SKOLA foreign key (ICO)

 references Skola (ICO)

 on delete restrict on update restrict;

alter table FunkceRektora

 add constraint "FK\_FUNKCERE\_.\_OSOBA" foreign key (RodneCislo)

 references Osoba (RodneCislo)

 on delete restrict on update restrict;

alter table FunkceRektora

 add constraint "FK\_FUNKCERE\_..\_SKOLA" foreign key (ICO)

 references Skola (ICO)

 on delete restrict on update restrict;

alter table Student

 add constraint FK\_STUDENT\_INHERITAN\_OSOBA foreign key (RodneCislo)

 references Osoba (RodneCislo)

 on delete restrict on update restrict;

alter table Studium

 add constraint FK\_STUDIUM\_RELATIONS\_FAKULTA foreign key ()

 references Fakulta

 on delete restrict on update restrict;

alter table Studium

 add constraint FK\_STUDIUM\_RELATIONS\_ETAPYSTU

 foreign key (KodEtapy)

 references EtapyStudia (KodEtapy)

 on delete restrict on update restrict;

alter table Studium

 add constraint FK\_STUDIUM\_RELATIONS\_FORMYSTU foreign key (KodFormy)

 references FormyStudia (KodFormy)

 on delete restrict on update restrict;

alter table Studium

 add constraint FK\_STUDIUM\_RELATIONS\_STUDENT foreign key (RodneCislo)

 references Student (RodneCislo)

 on delete restrict on update restrict;