SIA\_01

DS\_1: **Pacienți** - conține date generale de identificare pentru pacienții participanți la studiul clinic.

* Tip: SQL
* Implementare sursă de date externă: **Script\_Patients.sql**
* Implementare acces la sursa externa de date:

1. Tip\_acces: **DB\_LINK**
2. Nume tabela remote: **Patients**
3. Implementare:

**DROP DATABASE LINK clinicalTrialDB;**

**CREATE DATABASE LINK clinicalTrialDB**

**CONNECT TO clinicalTrial IDENTIFIED BY clinicalTrial**

**USING '//localhost:1521/xepdb1';**

**CREATE OR REPLACE VIEW PATIENTS\_VIEW AS**

**SELECT IDPACIENT, SUBJECT, WEBSITE, GENDER, AGE, DOCTOR, CLINIC, SYMPTOMS**

**FROM pacients@clinicalTrialDB;**

DS\_2: **eq5d5l\_gen\_health\_state** contine date cu privire la starea generala de sanatate a pacientilor participanti la studiul clinic.

* Tip: CSV
* Implementare sursa de date externa: eq5d5l\_gen\_health\_state.csv
* Implementare acces la sursa externa de date:

1. Tip\_acces: Oracle\_Loader
2. Nume tabela locala: PATIENTS\_GEN\_HEALTH\_STATE
3. Implementare:

**DROP DIRECTORY ext\_file\_csv;**

**CREATE OR REPLACE DIRECTORY ext\_file\_csv AS 'V:\Pentru\_Facultate\Master\Anul\_2\Semestrul\_2\Integrare\_Informationala\Laborator\Project\Project\_Files\Log\_Files\_Gen\_Health\_State\_Table';**

**GRANT ALL ON DIRECTORY ext\_file\_csv TO PUBLIC;**

**DROP TABLE PATIENTS\_GEN\_HEALTH\_STATE;**

**CREATE TABLE PATIENTS\_GEN\_HEALTH\_STATE (**

**SUBJECT VARCHAR2(10),**

**SIT VARCHAR2(5),**

**VIS NUMERIC(10),**

**UNV NUMERIC(2),**

**Time\_Point NUMERIC(2),**

**Mobility NUMERIC(2),**

**Self\_Care NUMERIC(2),**

**Usual\_Activity NUMERIC(2),**

**Pain\_Discomfort NUMERIC(2),**

**Anxiety NUMERIC(2),**

**Health\_State NUMERIC(2),**

**QSCAT VARCHAR2(10)**

**)**

**ORGANIZATION EXTERNAL (**

**TYPE ORACLE\_LOADER**

**DEFAULT DIRECTORY ext\_file\_csv**

**ACCESS PARAMETERS (**

**RECORDS DELIMITED BY NEWLINE SKIP 1**

**FIELDS TERMINATED BY ','**

**MISSING FIELD VALUES ARE NULL**

**)**

**LOCATION ('eq5d5l\_gen\_health\_state.csv')**

**)**

**REJECT LIMIT UNLIMITED;**

**SELECT \* FROM PATIENTS\_GEN\_HEALTH\_STATE;**

DS\_3: **mts** contine date despre parerea pacientilor participanti la studiul clinic cu privire la modul in care medicatia curenta i-a ajutat sa isi imbunatateasca starea de sanatate.

* Tip: XLS
* Implementare sursa de date externa: mts.xls
* Implementare acces la sursa externa de date:

1. Tip\_acces: ExcelTable Library
2. Nume tabela locala: MTS\_TO
3. Implementare:

**DROP DIRECTORY ext\_file\_csv;**

**CREATE OR REPLACE DIRECTORY ext\_file\_csv AS 'V:\Pentru\_Facultate\Master\Anul\_2\Semestrul\_2\Integrare\_Informationala\Laborator\Project\Project\_Files';**

**GRANT ALL ON DIRECTORY ext\_file\_csv TO PUBLIC;**

**DROP PACKAGE EXCELTABLE;**

**DROP PACKAGE XUTL\_CDF;**

**DROP PACKAGE XUTL\_OFFICECRYPTO;**

**DROP PACKAGE XUTL\_XLS;**

**DROP PACKAGE XUTL\_XLSB;**

**DROP TYPE EXCELTABLECELLLIST;**

**DROP TYPE EXCELTABLECELL;**

**DROP TYPE EXCELTABLEIMPL;**

**DROP VIEW MTS\_TO\_VIEW;**

**CREATE OR REPLACE VIEW MTS\_TO\_VIEW AS**

**SELECT t.\***

**from TABLE(**

**ExcelTable.getRows(**

**ExcelTable.getFile('EXT\_FILE\_CSV','mts.xlsx')**

**, 'mts'**

**, ' "SUBJECT" VARCHAR2(10)**

**, "SIT" VARCHAR2(5)**

**, "VIS" VARCHAR2(50)**

**, "UNV" VARCHAR2(50)**

**, "MTSRES1" VARCHAR2(50)**

**, "MTSRES2" VARCHAR2(50)**

**, "MTSRES3" VARCHAR2(50)**

**, "MTSRES4" VARCHAR2(50)**

**, "QSCAT" VARCHAR2(100)'**

**, 'A2'**

**)**

**) t;**

**SELECT \* FROM MTS\_TO\_VIEW;**

DS\_4: **regions** contine date cu privire la regiunea de provenienta a pacientilor, dar si date aferente limbii vorbite de catre acestia.

* Tip: XML
* Implementare sursa de date externa: LANGUAGES.xml
* Implementare acces la sursa externa de date:

1. Tip\_acces: Remote view utilizand bfilename() si xmltable()
2. Nume tabela locala: language\_view
3. Implementare:

**CREATE OR REPLACE DIRECTORY ext\_file\_csv AS 'V:\Pentru\_Facultate\Master\Anul\_2\Semestrul\_2\Integrare\_Informationala\Laborator\Project\Project\_Files';**

**SELECT \* FROM all\_directories WHERE directory\_name='EXT\_FILE\_CSV';**

**GRANT ALL ON DIRECTORY ext\_file\_csv TO PUBLIC;**

**CREATE OR REPLACE VIEW regions\_view AS**

**select x.regionID, x.siteNumber, x.id**

**from xmltable(**

**'/siteGroups/SiteGroup'**

**passing xmltype(**

**bfilename('EXT\_FILE\_CSV', 'LANGUAGES.xml')**

**, nls\_charset\_id('AL32UTF8')**

**)**

**columns**

**regionID integer path 'SiteGroup'**

**, siteNumber varchar2(20) path 'Site'**

**, id varchar2(20) path 'Language'**

**) x;**

**SELECT \* FROM regions\_view;**