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/ORCL';**

**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 **'C:\Users\covat\Desktop\Ioana\Master\_An2\_Sem2\INTEGRARE INFORMATIONALA\Partea1\_II\ii.sql';**

GRANT ALL ON DIRECTORY ext\_file\_csv TO PUBLIC;O imagine care conține text

Descriere generată automat

DROP TABLE PATIENTS\_GEN\_HEALTH\_STATE;

CREATE TABLE PATIENTS\_GEN\_HEALTH\_STATE (

Subject\_Id VARCHAR2(10),

Site VARCHAR2(5),

Visit\_Nr NUMERIC(10),

Unscheduled\_Visit 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 WHITESPACE

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 **'C:\Users\covat\Desktop\Ioana\Master\_An2\_Sem2\INTEGRARE INFORMATIONALA\Partea1\_II\ii.sql';**

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

DROP PACKAGE EXCELTABLE;

DROP PACKAGE XUTL\_CDF;

DROP PACKAGE XUTL\_OFFCRYPTO;

DROP PACKAGE XUTL\_XLS;

DROP PACKAGE XUTL\_XLSB;

DROP TYPE EXCELTABLECELLLIST;

DROP TYPE EXCELTABLECELL;

DROP TYPE EXCELTABLEIMPL;

Version 4.0. Run Script (all)

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\xutl\_cdf.pks

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\xutl\_cdf.pkb

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\xutl\_offcrypto.pks

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\xutl\_offcrypto.pkb

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\ExcelTableCell.tps

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\ExcelTableCellList.tps

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\xutl\_xls.pks

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\xutl\_xls.pkb

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\xutl\_xlsb.pks

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\xutl\_xlsb.pkb

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\ExcelTableImpl.tps

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\ExcelTable.pks

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\ExcelTable.pkb

@C:\Users\Eda Baciu\Dropbox\II\II.SQL\ExcelTable.lib\ExcelTable-master\ExcelTableImpl.tpb

DROP VIEW MTS\_TO\_VIEW;

CREATE OR REPLACE VIEW MTS\_TO\_VIEW AS

select t.\*

from TABLE(

ExcelTable.getRows(

ExcelTable.getFile('EXT\_FILE\_CVS','mts.xls')

, 'MTS\_TO)'

, '"Subject\_Id" VARCHAR2(10),

"Site" VARCHAR2(5),

"Visit\_Nr" VARCHAR2(50),

"Unscheduled\_Visit" VARCHAR2(50),

"Time\_Point" VARCHAR2(50),

"Mobility" VARCHAR2(50),

"Self\_Care" VARCHAR2(50),

"Usual\_Activity" VARCHAR2(50),

"QSCAT" VARCHAR(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 'C:\Users\covat\Desktop\Ioana\Master\_An2\_Sem2\INTEGRARE INFORMATIONALA\Partea1\_II\ii.sql';

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\_CVS', 'LANGUAGES.xml')

, nls\_charset\_id('AL32UTF8')

)

columns

regionID integer path 'SiteGroup'

, siteNumber varchar2(20) path 'Site'

, languageID varchar2(20) path 'Language'

) x;

SELECT \* FROM regions\_view;