

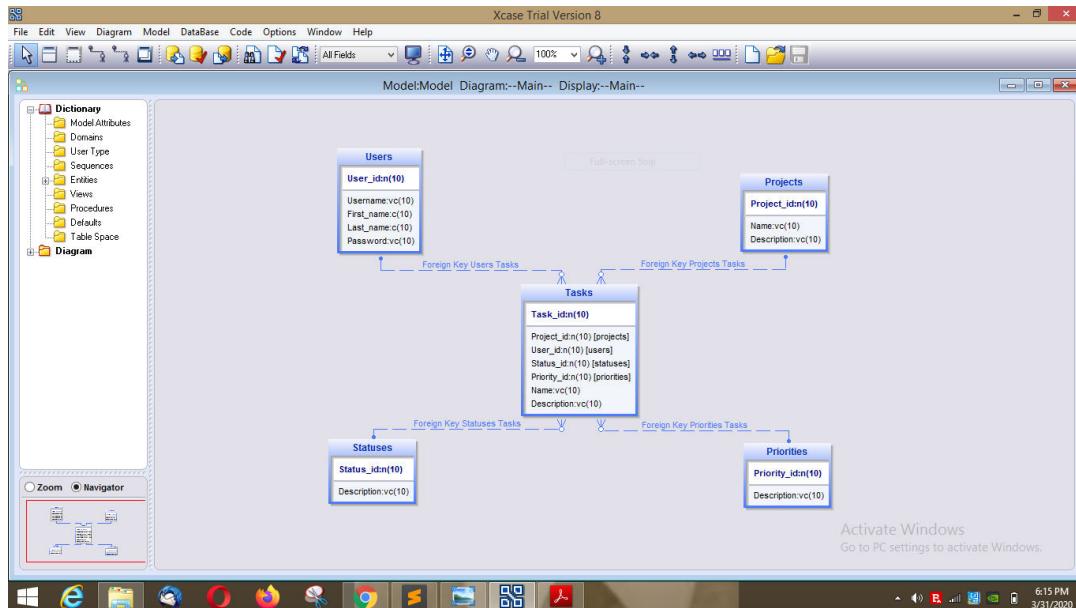
Constantin Ioan Tema Proiect 2

Nume: Constantin Ioan

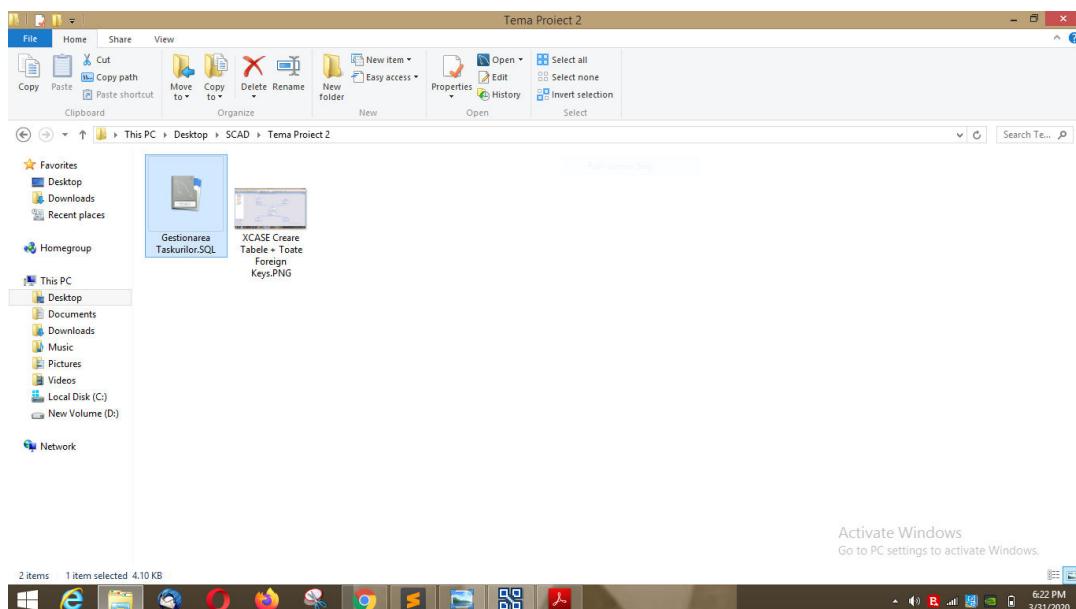
Grupa: 343C5

Titlul Proiectului: Gestionarea Taskurilor

Structura bazei de date din etapa trecuta si relatiile dintre acestea sunt prezentate in urmatorul screenshot:



Am generat din XCASE scriptul Gestionarea Task-urilor.SQL (in urmatorul screenshot):



Continutul scriptului este:

```
CREATE TABLE Tasks
(
    Task_id NUMBER(10) NOT NULL ,
    Project_id NUMBER(10) NULL ,
    User_id NUMBER(10) NULL ,
    Status_id NUMBER(10) NULL ,
    Priority_id NUMBER(10) NULL ,
    Name VARCHAR2(10) NULL ,
    Description VARCHAR2(10) NULL ,
    CONSTRAINT PK_Tasks PRIMARY KEY (Task_id) NOT DEFERRABLE Initially
IMMEDIATE
    USING INDEX
    PCTFREE 10
    INITTRANS 2
    MAXTRANS 255
    STORAGE
    (
        INITIAL 64K
        NEXT 0K
        MINEXTENTS 1
        MAXEXTENTS 2147483645
        PCTINCREASE 0
    )
)
PCTFREE 10
PCTUSED 40
INITTRANS 1
```

```
MAXTRANS 255
STORAGE
(
  INITIAL 64K
  NEXT 0K
  MINEXTENTS 1
  MAXEXTENTS 2147483645
  PCTINCREASE 0
)
/
```

```
CREATE TABLE Users
(
  User_id NUMBER(10) NOT NULL ,
  Username VARCHAR2(10) NULL ,
  First_Name CHAR(10) NULL ,
  Last_Name CHAR(10) NULL ,
  Password VARCHAR2(10) NULL ,
  CONSTRAINT PK_Users PRIMARY KEY (User_id) NOT DEFERRABLE Initially
  IMMEDIATE
  USING INDEX
  PCTFREE 10
  INITRANS 2
  MAXTRANS 255
  STORAGE
  (
    INITIAL 64K
```

```
NEXT OK  
MINEXTENTS 1  
MAXEXTENTS 2147483645  
PCTINCREASE 0  
)  
)  
PCTFREE 10  
PCTUSED 40  
INITRANS 1  
MAXTRANS 255  
STORAGE  
(  
INITIAL 64K  
NEXT OK  
MINEXTENTS 1  
MAXEXTENTS 2147483645  
PCTINCREASE 0  
)  
/  
  
CREATE TABLE Projects  
(  
Project_id NUMBER(10) NOT NULL ,  
Name VARCHAR2(10) NULL ,  
Description VARCHAR2(10) NULL ,  
CONSTRAINT PK_Projects PRIMARY KEY (Project_id) NOT DEFERRABLE  
Initially IMMEDIATE
```

USING INDEX

PCTFREE 10

INITTRANS 2

MAXTRANS 255

STORAGE

(

 INITIAL 64K

 NEXT OK

 MINEXTENTS 1

 MAXEXTENTS 2147483645

 PCTINCREASE 0

)

)

PCTFREE 10

PCTUSED 40

INITTRANS 1

MAXTRANS 255

STORAGE

(

 INITIAL 64K

 NEXT OK

 MINEXTENTS 1

 MAXEXTENTS 2147483645

 PCTINCREASE 0

)

/

```
CREATE TABLE Priorities
(
    Priority_id NUMBER(10) NOT NULL ,
    Description VARCHAR2(10) NULL ,
    CONSTRAINT PK_Priorities PRIMARY KEY (Priority_id) NOT DEFERRABLE
    Initially IMMEDIATE
    USING INDEX
    PCTFREE 10
    INITTRANS 2
    MAXTRANS 255
    STORAGE
    (
        INITIAL 64K
        NEXT 0K
        MINEXTENTS 1
        MAXEXTENTS 2147483645
        PCTINCREASE 0
    )
)
PCTFREE 10
PCTUSED 40
INITTRANS 1
MAXTRANS 255
STORAGE
(
    INITIAL 64K
```

```
NEXT OK  
MINEXTENTS 1  
MAXEXTENTS 2147483645  
PCTINCREASE 0  
)  
  
/  
  
CREATE TABLE Statuses  
(  
    Status_id NUMBER(10) NOT NULL ,  
    Description VARCHAR2(10) NULL ,  
    CONSTRAINT PK_Statuses PRIMARY KEY (Status_id) NOT DEFERRABLE  
    Initially IMMEDIATE  
    USING INDEX  
    PCTFREE 10  
    INITRANS 2  
    MAXTRANS 255  
    STORAGE  
(  
    INITIAL 64K  
    NEXT OK  
    MINEXTENTS 1  
    MAXEXTENTS 2147483645  
    PCTINCREASE 0  
)  
)  
PCTFREE 10
```

```
PCTUSED 40
INITRANS 1
MAXTRANS 255
STORAGE
(
    INITIAL 64K
    NEXT OK
    MINEXTENTS 1
    MAXEXTENTS 2147483645
    PCTINCREASE 0
)
/

```

```
ALTER TABLE Tasks ADD
(
    CONSTRAINT "Foreign Key Users Tasks" FOREIGN KEY
    ( User_id )
    REFERENCES Users
    ( User_id )
    NOT DEFERRABLE Initially IMMEDIATE
)
/

```

```
ALTER TABLE Tasks ADD
(
    CONSTRAINT "Foreign Key Projects Tasks" FOREIGN KEY
    ( Project_id )
)
```

```
REFERENCES Projects
( Project_id )
NOT DEFERRABLE Initially IMMEDIATE
)
/
ALTER TABLE Tasks ADD
(
CONSTRAINT "Foreign Key Statuses Tasks" FOREIGN KEY
( Status_id )
REFERENCES Statuses
( Status_id )
NOT DEFERRABLE Initially IMMEDIATE
)
/
ALTER TABLE Tasks ADD
(
CONSTRAINT "Foreign Key Priorities Tasks" FOREIGN KEY
( Priority_id )
REFERENCES Priorities
( Priority_id )
NOT DEFERRABLE Initially IMMEDIATE
)
/
Punem scriptul in APEX si il rulam (urmatoarele 2 screenshot-uri):
```

The screenshot shows the Oracle APEX interface. In the top navigation bar, there are several tabs: Dashboard, Cursuri Sisteme, L-A4-S2, 09 of 13, Database, SCAD_pro, Script Editor, Word, Cine, PDF Convert, and a plus sign icon. Below the tabs, the APEX logo, App Builder, SQL Workshop, Team Development, and App Gallery are visible. On the right, there is a user profile for 'Ioan Constantin'.

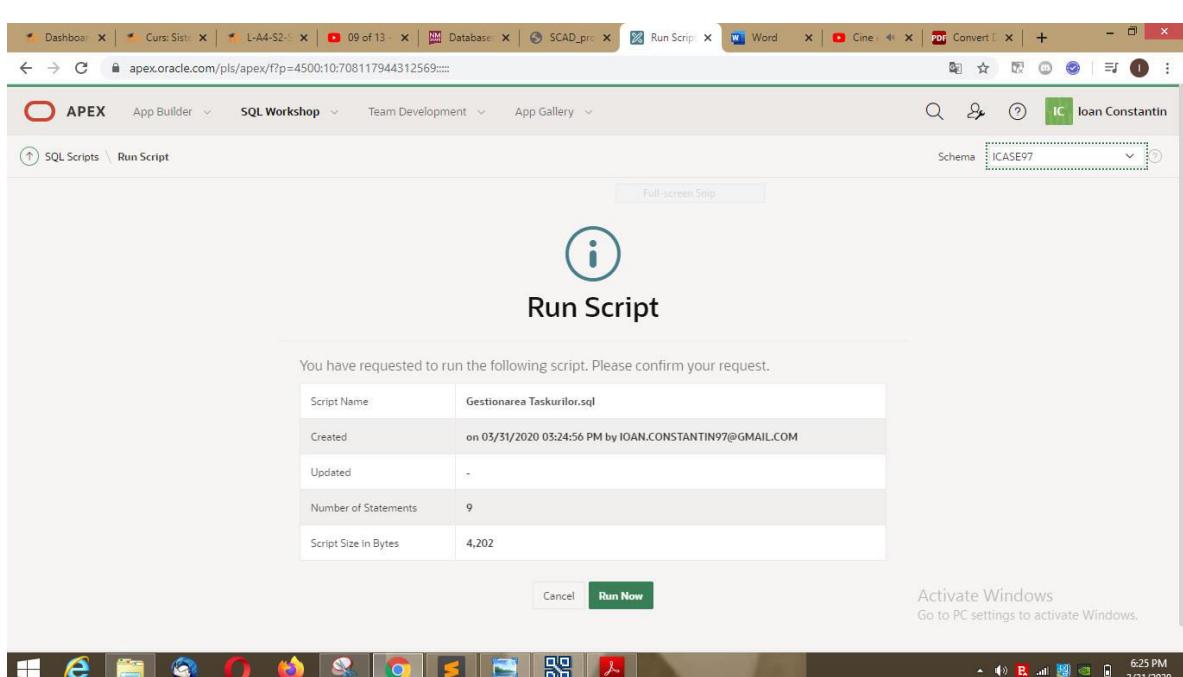
In the main content area, the 'SQL Scripts \ Script Editor' section is active. The script name is 'Gestionarea Taskurilor.sql'. The code shown is:

```

1 CREATE TABLE Tasks
2 (
3     Task_id NUMBER(10) NOT NULL ,
4     Project_id NUMBER(10) NULL ,
5     User_id NUMBER(10) NULL ,
6     Status_id NUMBER(10) NULL ,
7     Priority_id NUMBER(10) NULL ,
8     Name VARCHAR2(10) NULL ,
9     Description VARCHAR2(10) NULL ,
10    CONSTRAINT PK_Tasks PRIMARY KEY (Task_id) NOT DEFERRABLE Initially IMMEDIATE
11    USING INDEX
12    PCTFREE 10
13    INITTRANS 2
14    MAXTRANS 255
15    STORAGE
16    (
17        INITIAL 64K
18        NEXT 8K
19        MINEXTENTS 1
20        MAXEXTENTS 2147483645
21        PCTINCREASE 0
22    )
23 )
24 PCTFREE 10
25 PCTUSED 40

```

On the right side of the editor, there are buttons for 'Full-screen Snip', 'Cancel', 'Download', 'Create', and a green 'Run' button. Below the editor, a message says 'Activate Windows' with a link 'Go to PC settings to activate Windows.' The status bar at the bottom shows the URL 'apex.oracle.com/pls/apex/f?p=4500:60:708117944312569::60:SR_SCRIPT_SOURCE::', the copyright notice 'Copyright © 1999, 2020, Oracle and/or its affiliates. All rights reserved.', and the application version 'Application Express 21.0.0.11'.



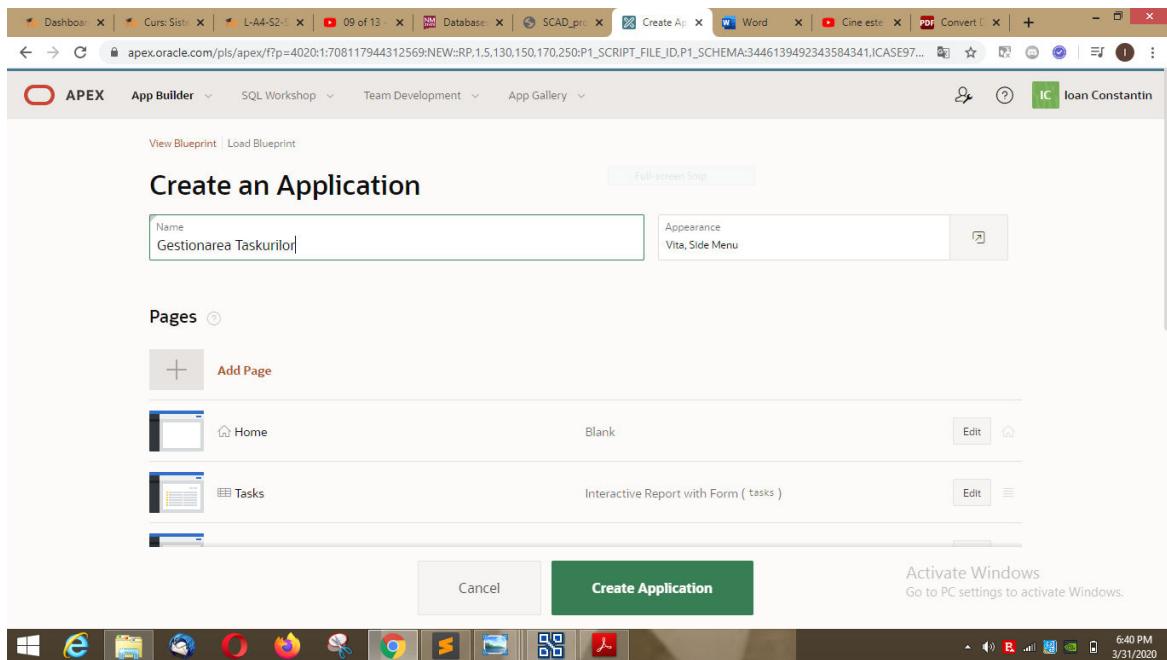
Ne arata ca tabelele sunt create (in urmatorul screenshot):

The screenshot shows the Oracle APEX interface with the "SQL Workshop" tab selected. A script named "Gestionarea Taskurilor.sql" has been run, resulting in 15 rows of data. The results table includes columns for Number, Elapsed, Statement, Feedback, and Rows. The feedback column indicates that all 9 rows were successfully created or altered. The status bar at the bottom right shows "6:25 PM 3/31/2020".

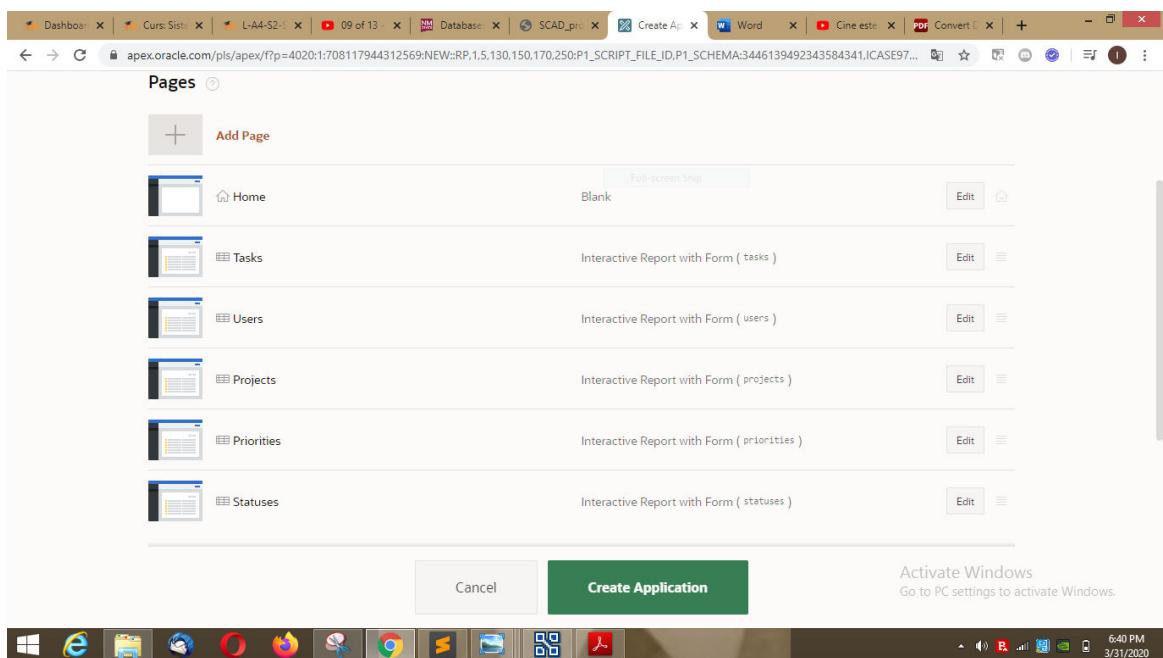
| Number | Elapsed | Statement | Feedback | Rows |
|--------|---------|---|----------------|------|
| 1 | 0.07 | CREATE TABLE Tasks (Task_Id NUMBER(10) NOT NULL , | Table created. | 0 |
| 2 | 0.04 | CREATE TABLE Users (User_Id NUMBER(10) NOT NULL , | Table created. | 0 |
| 3 | 0.05 | CREATE TABLE Projects (Project_Id NUMBER(10) NOT NUL | Table created. | 0 |
| 4 | 0.03 | CREATE TABLE Priorities (Priority_Id NUMBER(10) NOT | Table created. | 0 |
| 5 | 0.05 | CREATE TABLE Statuses (Status_Id NUMBER(10) NOT NULL | Table created. | 0 |
| 6 | 0.05 | ALTER TABLE Tasks ADD (CONSTRAINT "Foreign Key Users T | Table altered. | 0 |
| 7 | 0.04 | ALTER TABLE Tasks ADD (CONSTRAINT "Foreign Key Project | Table altered. | 0 |
| 8 | 0.04 | ALTER TABLE Tasks ADD (CONSTRAINT "Foreign Key Status | Table altered. | 0 |
| 9 | 0.04 | ALTER TABLE Tasks ADD (CONSTRAINT "Foreign Key Priorit | Table altered. | 0 |

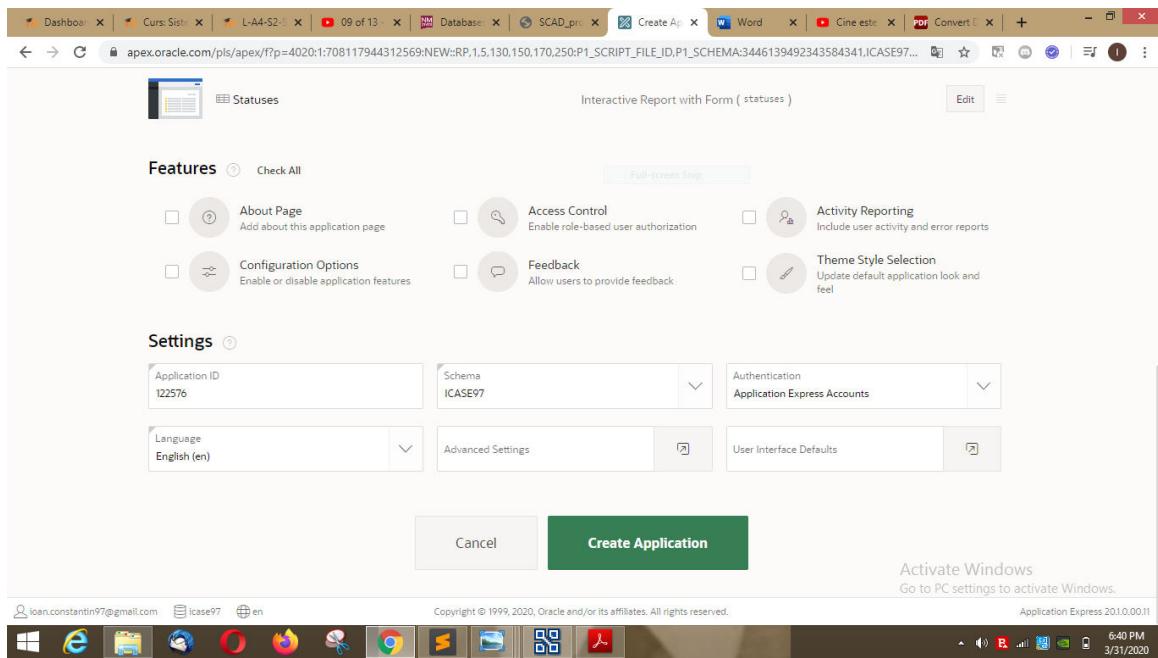
Apoi cream aplicatia din script si o numim "Gestionarea taskurilor" (in urmatoarele 2 screenshot-uri):

The screenshot shows the Oracle APEX interface with the "SQL Workshop" tab selected. A modal dialog titled "Create App from Script" is open, prompting for a schema name ("ICASE97") and a script name ("Gestionarea Taskurilor.sql"). The dialog also lists the tables used by the script: PRIORITIES, PROJECTS, STATUSES, TASKS, and USERS. The status bar at the bottom right shows "6:39 PM 3/31/2020".



Putem vedea paginile aplicatiei si setarile inainte de a crea efectiv aplicatia (urmatoarele 2 screenshot-uri):





Putem vedea după ce cream aplicația toate paginile create (în următoarele 2 screenshot-uri):

| Page | Name | Alias | Updated | Updated By | Type | Group | Lock | Run |
|------|-----------------------|-------|---------------|-----------------------------|--------------------|------------|--------------------------|-------------------------------------|
| 0 | Global Page - Desktop | - | 6 seconds ago | ioan.constantin97@gmail.com | Global Page | Unassigned | <input type="checkbox"/> | <input type="checkbox"/> |
| 1 | Home | home | 1 seconds ago | ioan.constantin97@gmail.com | Home | Unassigned | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2 | Tasks | tasks | 2 seconds ago | ioan.constantin97@gmail.com | Interactive Report | Unassigned | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3 | Task | task | 2 seconds ago | ioan.constantin97@gmail.com | DML Form | Unassigned | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4 | Users | | 2 seconds ago | ioan.constantin97@gmail.com | Interactive Report | Unassigned | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Copy this Application >
Browse by Facets >
Recently Edited Pages
1. Home
11. Status
10. Statuses
9. Priority
8. Priorities
6. Projects
4. Users
3. Task

Activate Windows
Go to PC settings to activate Windows.

6:41 PM
3/31/2020

| Page | Name | Alias | Updated | Updated By | Type | Group | Lock | Run |
|------|-----------------------|------------|---------------|-----------------------------|--------------------|------------|------|-----|
| 0 | Global Page - Desktop | - | 6 seconds ago | ioan.constantin97@gmail.com | Global Page | Unassigned | 🔓 | 🔗 |
| 1 | Home | home | 1 seconds ago | ioan.constantin97@gmail.com | Home | Unassigned | 🔓 | ▶ |
| 2 | Tasks | tasks | 2 seconds ago | ioan.constantin97@gmail.com | Interactive Report | Unassigned | 🔓 | ▶ |
| 3 | Task | task | 2 seconds ago | ioan.constantin97@gmail.com | DML Form | Unassigned | 🔓 | ▶ |
| 4 | Users | users | 2 seconds ago | ioan.constantin97@gmail.com | Interactive Report | Unassigned | 🔓 | ▶ |
| 5 | User | user | 2 seconds ago | ioan.constantin97@gmail.com | DML Form | Unassigned | 🔓 | ▶ |
| 6 | Projects | projects | 2 seconds ago | ioan.constantin97@gmail.com | Interactive Report | Unassigned | 🔓 | ▶ |
| 7 | Project | project | 2 seconds ago | ioan.constantin97@gmail.com | DML Form | Unassigned | 🔓 | ▶ |
| 8 | Priorities | priorities | 1 seconds ago | ioan.constantin97@gmail.com | Interactive Report | Unassigned | 🔓 | ▶ |
| 9 | Priority | priority | 1 seconds ago | ioan.constantin97@gmail.com | DML Form | Unassigned | 🔓 | ▶ |
| 10 | Statuses | statuses | 1 seconds ago | ioan.constantin97@gmail.com | Interactive Report | Unassigned | 🔓 | ▶ |
| 11 | Status | status | 1 seconds ago | ioan.constantin97@gmail.com | DML Form | Unassigned | 🔓 | ▶ |
| 9999 | Login Page | login | 5 seconds ago | ioan.constantin97@gmail.com | Login | Unassigned | 🔓 | ▶ |

Cream Form pentru tabela “Users” (in urmatoarele 3 screenshot-uri):

Full-screen Song

Properties About

Use the Application home page to run, edit, import, export, copy, or delete an application. Select a page to edit the page properties, or click Create Page to add a page to the application. Learn More ...

Tasks

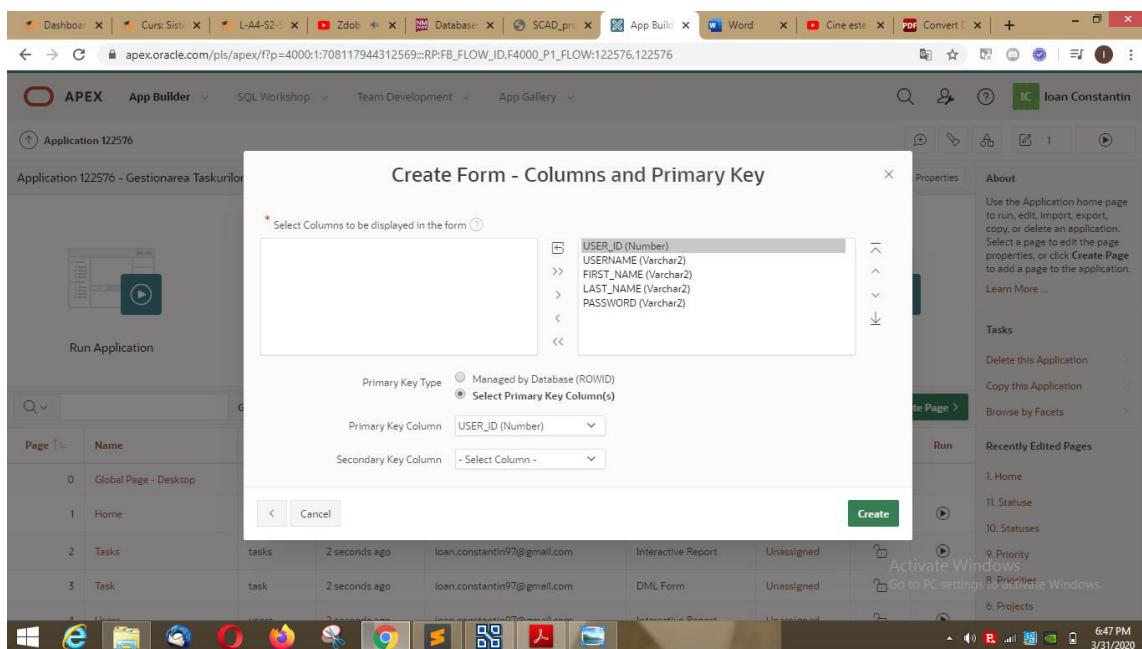
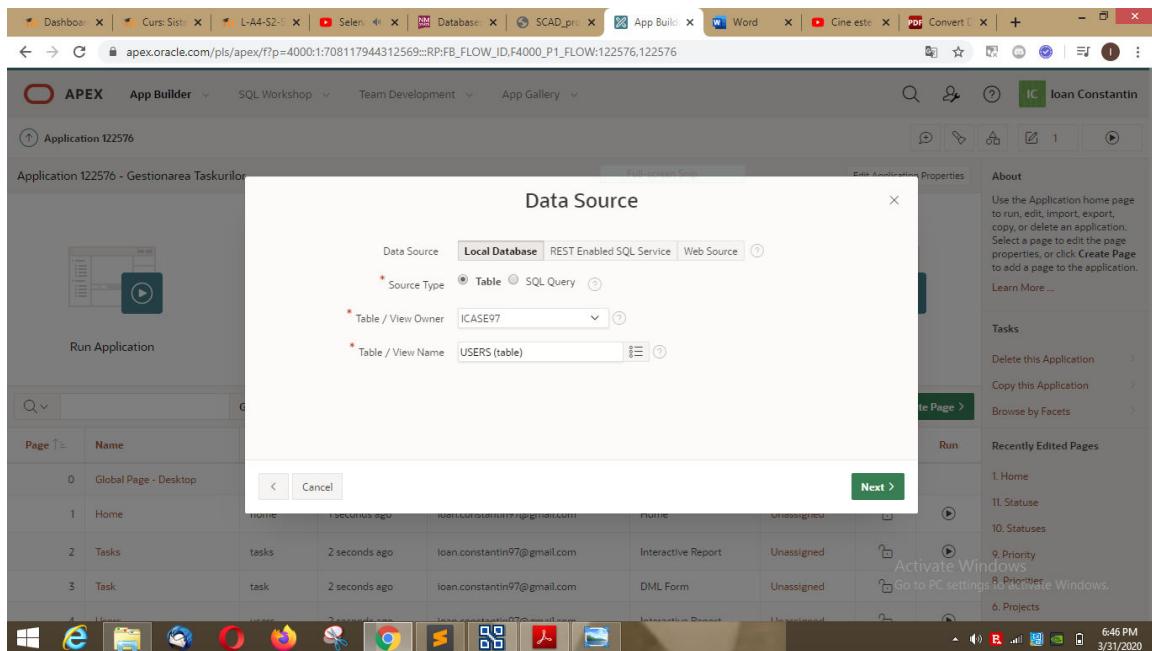
Delete this Application >
Copy this Application >
Browse by Facets >

Run

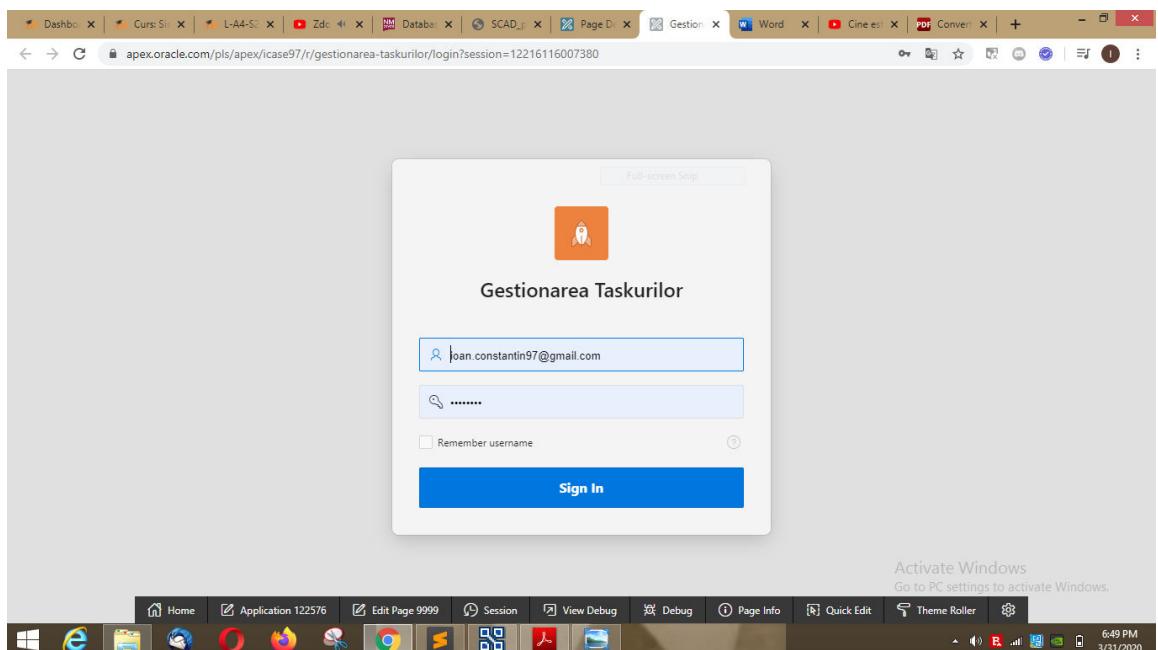
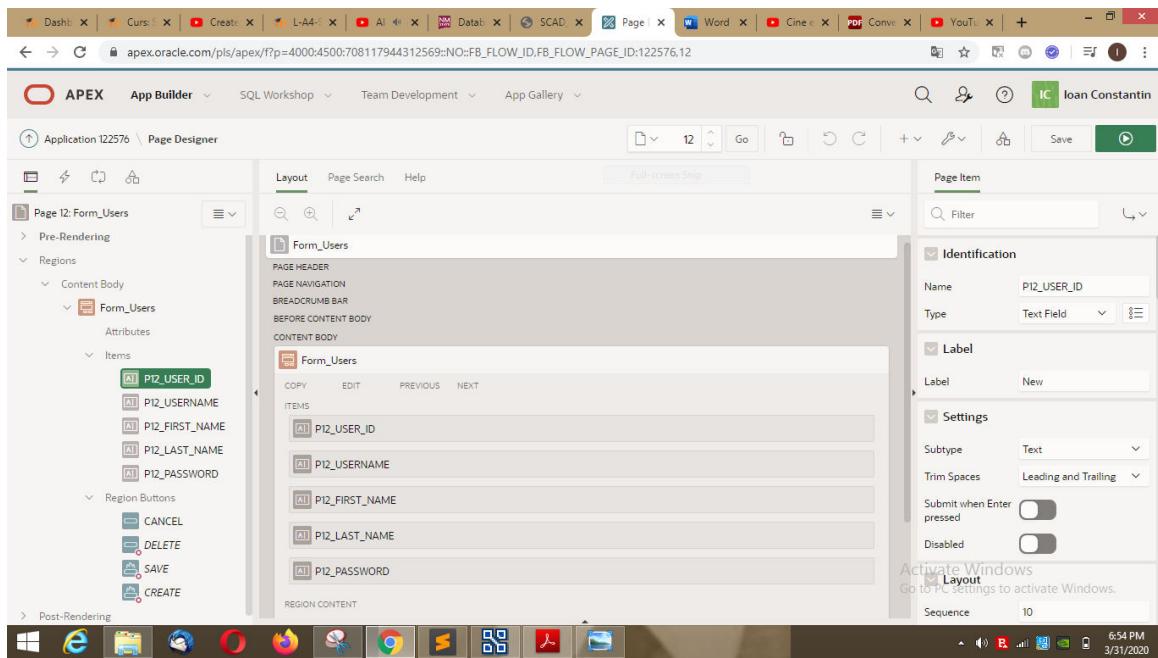
Recently Edited Pages
1. Home
11. Status
10. Statuses
9. Priority
8. Priorities
6. Projects

Activate Windows
Go to PC settings to activate Windows.

6:45 PM
3/31/2020



Apasam Create, apoi din urmatoarea pagina apasam Generate, si introducem username si parola (urmatoarele 2 screenshot-uri):



Completam datele noului user loan Constantin (in urmatorul screenshot):

Form_Users

User_Id
1111

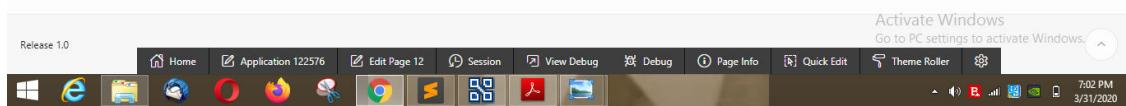
Username
ioan1234

First Name
Ioan

Last Name
Constantin

Password
parola

Create



Ne afiseaza mesajul “ROW CREATED” (in urmatorul screenshot):

Row created.

Form_Users

User_Id
1111

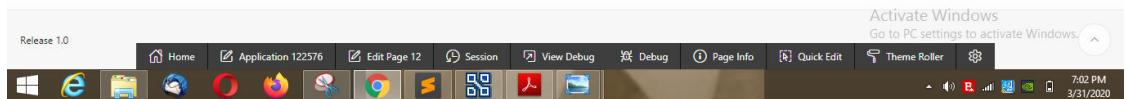
Username
ioan1234

First Name
Ioan

Last Name
Constantin

Password
parola

Apply Changes



Rulam din nou Form-ul si introducem datele celui de-al doilea user Dan Stancu si ne afiseaza din nou mesajul “ROW CREATED” (in urmatorul screenshot):

User_Id
1000

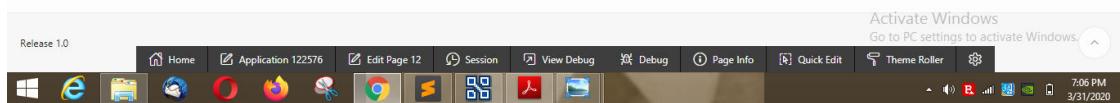
Username
Dan1234

First Name
Dan

Last Name
Stancu

Password
parola

Cancel Delete Apply Changes



Apoi vedem ca in tabela Users sunt cei 2 useri (Dan Stancu si Ioan Constantin) (in urmatorul screenshot):

Home Tasks **Users** Projects Priorities Statuses

Users

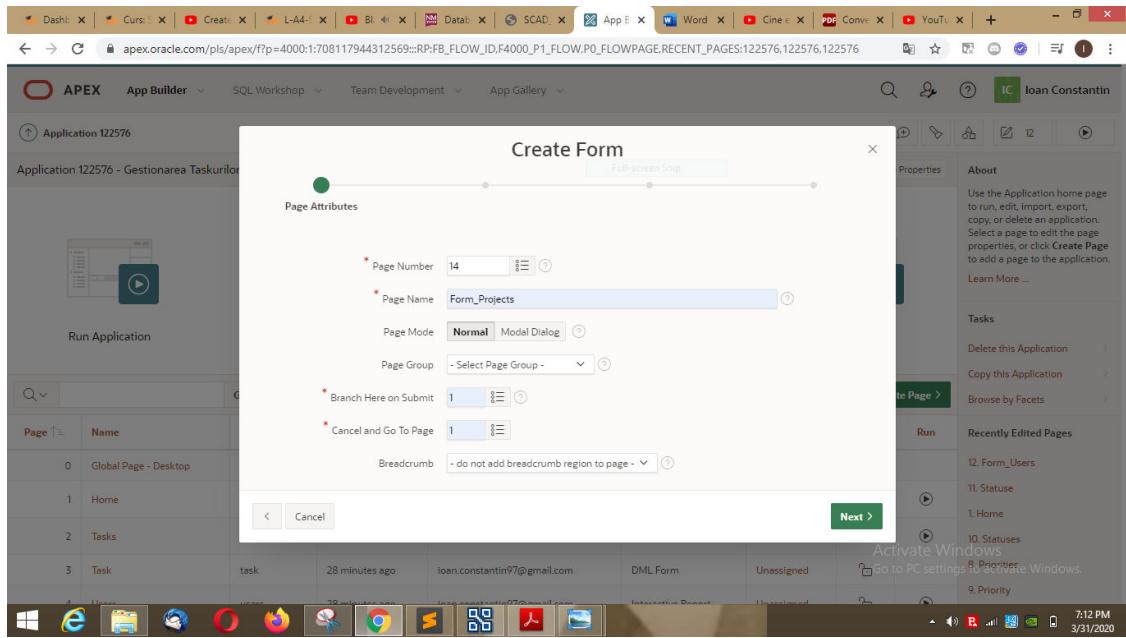
| | Username | First Name | Last Name | Password |
|--|----------|------------|------------|----------|
| | Dan1234 | Dan | Stancu | parola |
| | loan1234 | Ioan | Constantin | parola |

1 - 2

Activate Windows
Go to PC settings to activate Windows.

Release 1.0

Facem aceeasi pasi pentru un nou Form (Form Projects) si ne afiseaza din nou de 2 ori "ROW CREATED" (urmatoarele 8 screenshot-uri):



Screenshot of the Oracle APEX application builder interface showing the "Data Source" configuration for Application 122576.

The "Data Source" dialog is open, showing:

- Data Source Type: Local Database
- Source Type: Table
- Table / View Owner: ICASE97
- Table / View Name: PROJECTS (table)

The background shows a list of pages for the application, including Global Page - Desktop, Home, Tasks, and Task.

Screenshot of the Oracle APEX application builder interface showing the "Create Form - Columns and Primary Key" dialog.

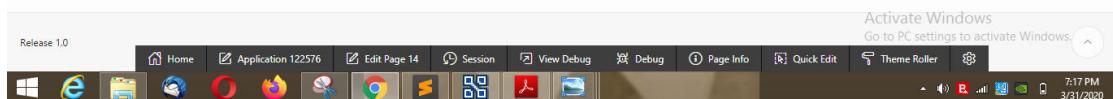
The dialog is used to define the columns for a new form:

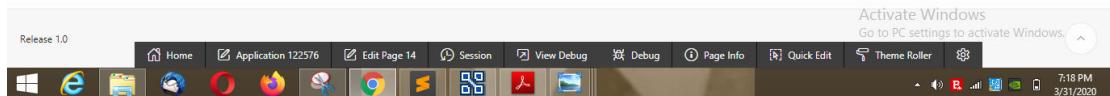
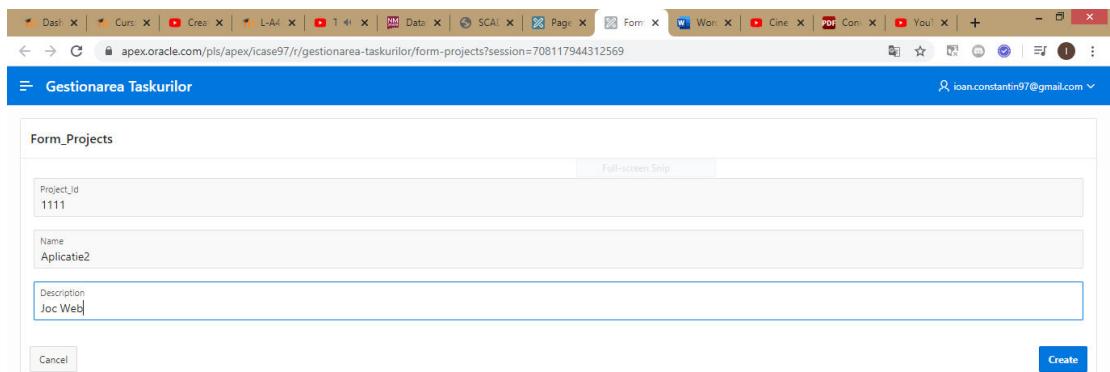
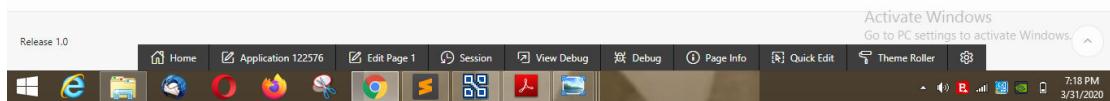
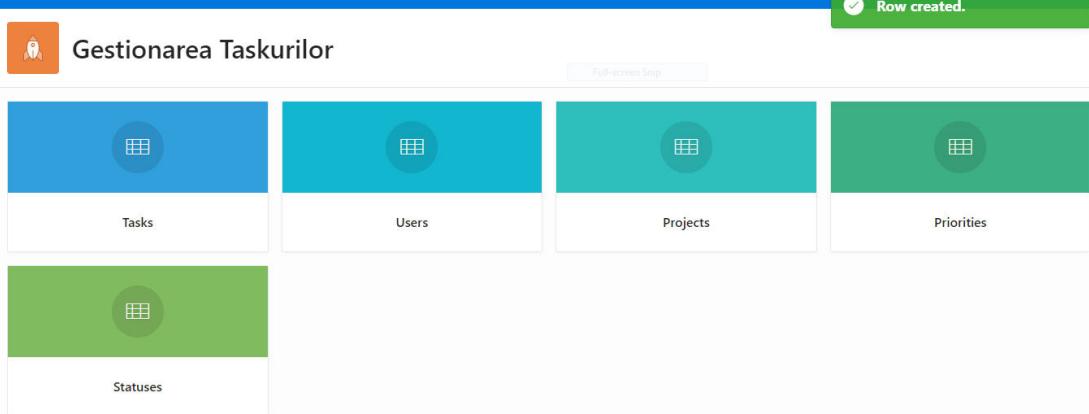
- Primary Key Type: Select Primary Key Column(s)
- Primary Key Column: PROJECT_ID (Number)
- Secondary Key Column: - Select Column -

The background shows a list of pages for the application, including Global Page - Desktop, Home, Tasks, and Task.

The screenshot shows the Oracle APEX App Builder's Page Designer. The page is titled "Form_Projects". The left sidebar shows the page structure with regions like "Content Body" and "Region Buttons". The main area displays the form fields: "P14_PROJECT_ID", "P14_NAME", and "P14_DESCRIPTION", each with a corresponding input field. Below the fields are buttons for "CLOSE", "HELP", "DELETE", "CHANGE", "SAVE", and "CREATE". On the right side, there is a panel for "Page Item" configuration, specifically for the "P14_PROJECT_ID" item, which is set to a "Text Field" type with a label "Project_Id".

The screenshot shows the Oracle APEX application running in a browser. The title bar reads "Gestionarea Taskurilor". The page displays a form titled "Form_Projects" with fields for "Project_Id" (containing "1000"), "Name" (containing "Aplicatie1"), and "Description" (containing "Joc Mobi"). At the bottom of the form are "Cancel" and "Create" buttons.





The screenshot shows a dashboard titled "Gestionarea Taskurilor". It features five cards arranged in two rows: "Tasks" (blue), "Users" (cyan), "Projects" (teal), "Priorities" (green), and "Statuses" (light green). A green notification bar at the top right indicates a "Row created." message. Below the dashboard is a toolbar with various icons and a status bar showing "Release 1.0" and system information.

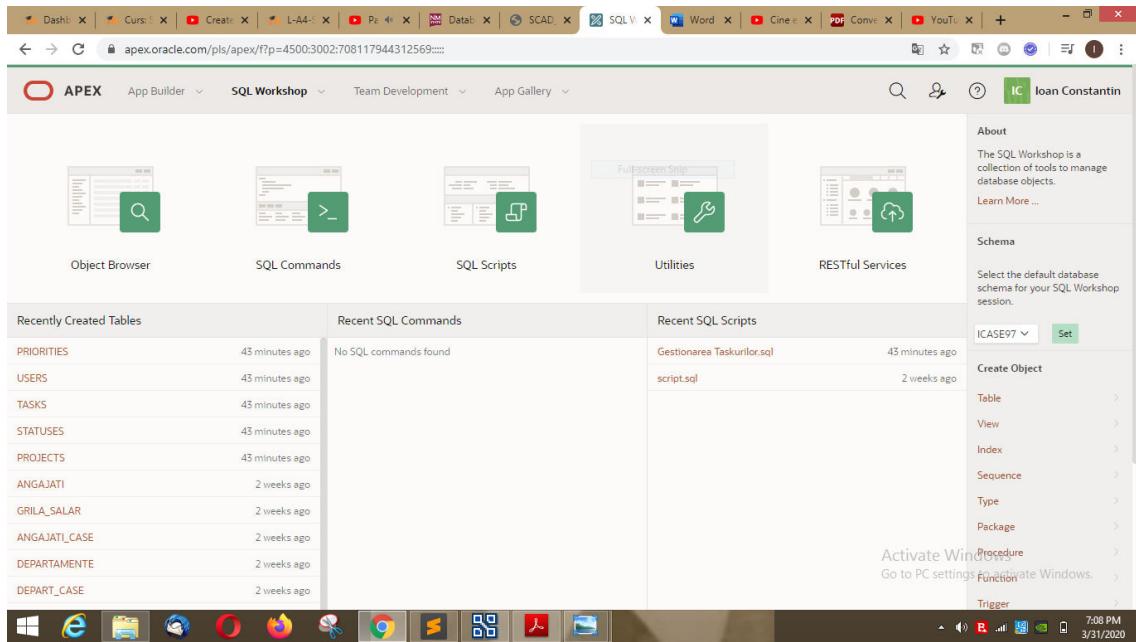
Apoi vedem cele 2 randuri in tabela Projects (in urmatorul screenshot):

The screenshot shows a table titled "Projects" with two rows:

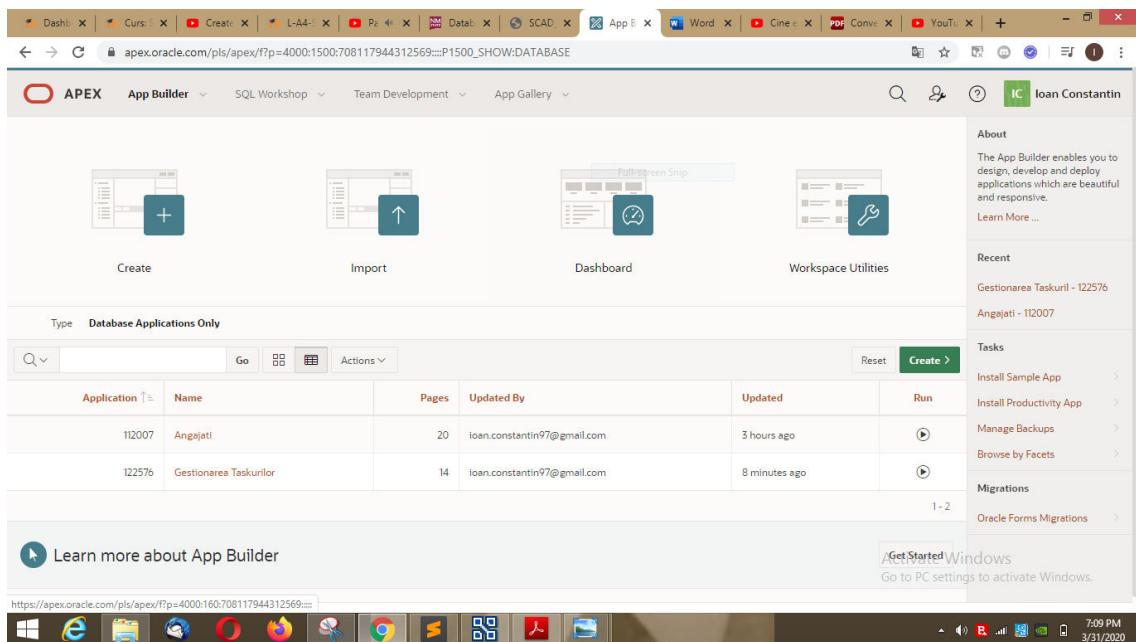
| | Name ↑ | Description |
|---|------------|-------------|
| 1 | Aplicatie1 | Joc Mobil |
| 2 | Aplicatie2 | Joc Web |

Below the table is a toolbar with various icons and a status bar showing "Release 1.0" and system information.

Putem observa ca tabelele apar si la “Recently created tables” (in urmatorul screenshot):



Ne apare aplicatia noua in lista de aplicatii (in urmatorul screenshot):



Noile 2 form-uri create (Form Users si Form Projects) apar in lista de pagini ale aplicatiei (in urmatorul screenshot):

| Page | Name | Alias | Updated | Updated By | Type | Group | Lock | Run | |
|------|---------------|---------------|----------------|-----------------------------|--------------------|------------|------|-----|----------------|
| 3 | Task | task | 39 minutes ago | ioan.constantin97@gmail.com | DML Form | Unassigned | ? | | 12. Form_Users |
| 4 | Users | users | 39 minutes ago | ioan.constantin97@gmail.com | Interactive Report | Unassigned | ? | ▶ | 11. Status |
| 5 | User | user | 39 minutes ago | ioan.constantin97@gmail.com | DML Form | Unassigned | ? | | 1. Home |
| 6 | Projects | projects | 39 minutes ago | ioan.constantin97@gmail.com | Interactive Report | Unassigned | ? | ▶ | 10. Statuses |
| 7 | Project | project | 39 minutes ago | ioan.constantin97@gmail.com | DML Form | Unassigned | ? | | 8. Priorities |
| 8 | Priorities | priorities | 39 minutes ago | ioan.constantin97@gmail.com | Interactive Report | Unassigned | ? | ▶ | 9. Priority |
| 9 | Priority | priority | 39 minutes ago | ioan.constantin97@gmail.com | DML Form | Unassigned | ? | | 7. Project |
| 10 | Statuses | statuses | 39 minutes ago | ioan.constantin97@gmail.com | Interactive Report | Unassigned | ? | ▶ | |
| 11 | Statusue | statusue | 39 minutes ago | ioan.constantin97@gmail.com | DML Form | Unassigned | ? | | |
| 12 | Form_Users | form-users | 19 minutes ago | ioan.constantin97@gmail.com | DML Form | Unassigned | ? | ▶ | |
| 14 | Form_Projects | form-projects | 3 minutes ago | ioan.constantin97@gmail.com | DML Form | Unassigned | ? | ▶ | |
| 9999 | Login Page | login | 39 minutes ago | ioan.constantin97@gmail.com | Login | Unassigned | ? | ▶ | |