Chapter 18. GreenDi – Exchange of Plants and Seeds

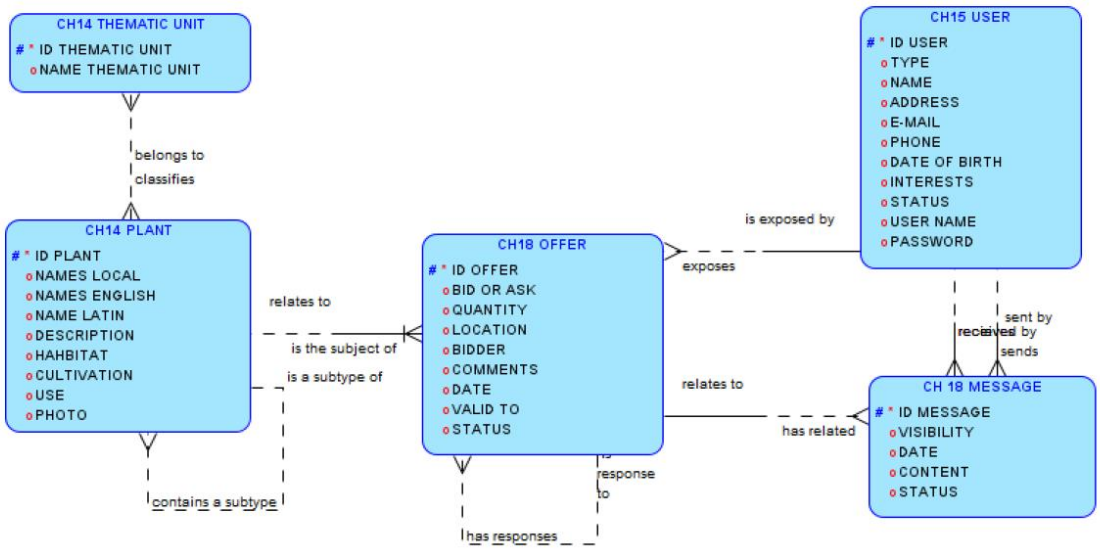


Figure 18.2: Logical data model.

Quick SQL

Quick SQL reduces the time and effort required to create SQL tables, triggers, and index structures. It is not designed to be a replacement for data modeling. Quick SQL is simply a quick way to develop a script for simple tables and views. Once the SQL is generated it can be tweaked and expanded upon. Quick SQL provides a quick way to generate the SQL required to create a relational data model from an indented text document (1).

Accessing Quick SQL

To access the Quick SQL page:

On the Workspace home page, click the SQL Workshop icon.

Click Utilities.

Click Quick SQL.

The Quick SQL page appears.

```
ch18_user /insert 10
    user_type vc15 /check 'member' 'administrator'
    firstname vc30
    lastname vc30
```

```
    address vc50
    email vc80
    phone vc20
    date_of_birth date
    intests vc256
    user_status vc10 /check 'active' 'suspended' 'inactive'
    username vc50
    user_passwd vc50

ch18_type_of_plant /insert 10
    name_of_type_of_plant vc30
    ch18_is_subtype_of num /fk ch18_type_of_plant

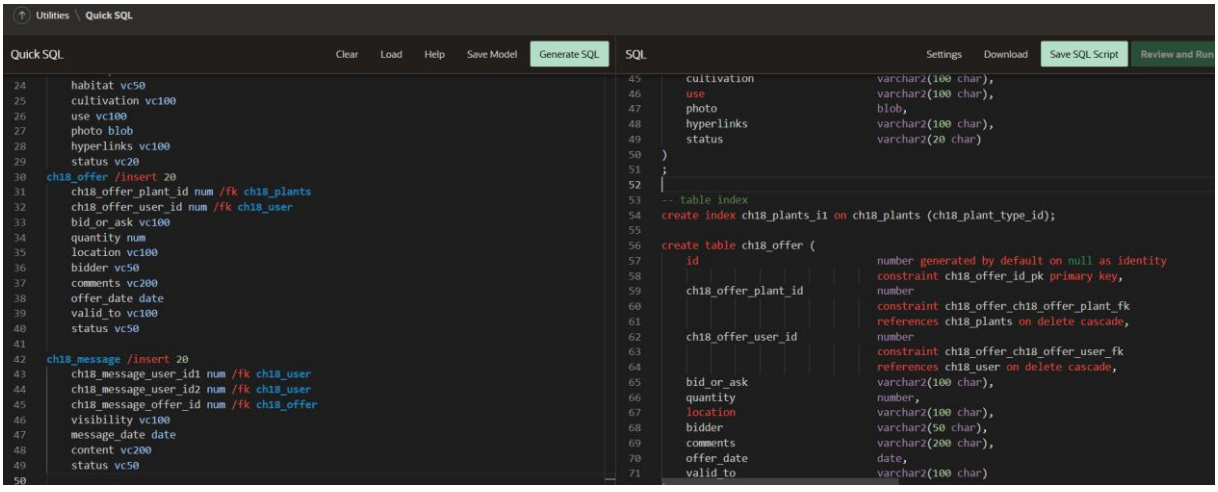
ch18_plants /insert 20
    ch18_plant_type_id num /fk ch18_type_of_plant
    names_local vc100
    names_english vc100
    name_latin vc40
    description vc200
    habitat vc50
    cultivation vc100
    use vc100
    photo blob
    hyperlinks vc100
    status vc20
ch18_offer /insert 20
     ch18_offer_plant_id num /fk ch18_plants
     ch18_offer_user_id num /fk ch18_user
     bid_or_ask vc100
     quantity num
     location vc100
     bidder vc50
     comments vc200
```

```
    offer_date date
    valid_to vc100
    status vc50

ch18_message /insert 20
    ch18_message_user_id1 num /fk ch18_user
    ch18_message_user_id2 num /fk ch18_user
    ch18_message_offer_id num /fk ch18_offer
    visibility vc100
    message_date date
    content vc200
    status vc50
```

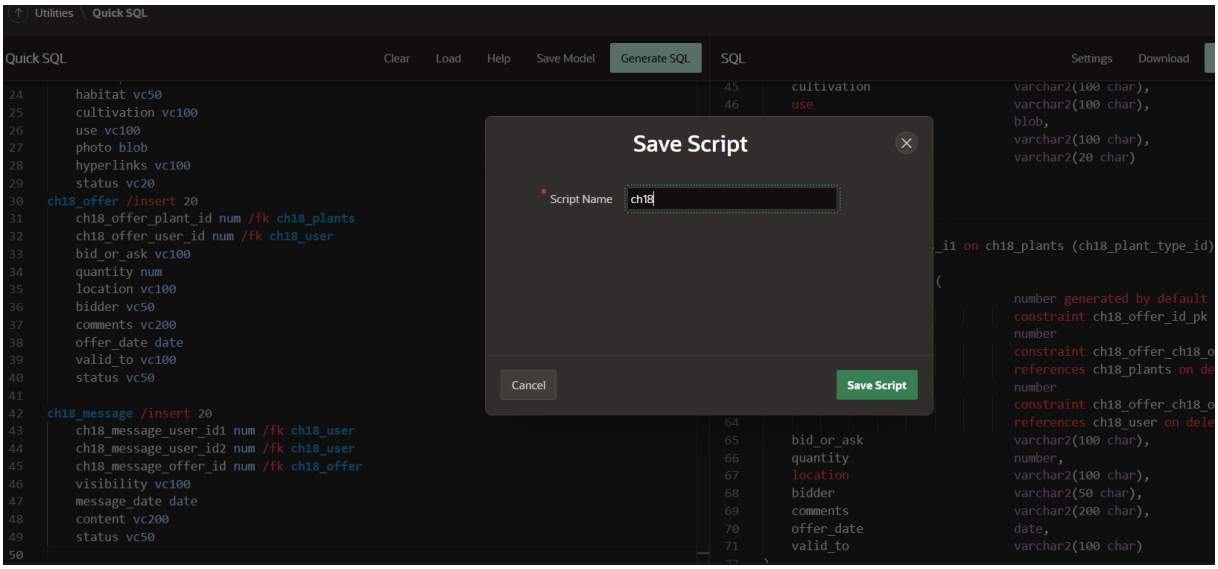
Click Generate SQL.

Displays the generated SQL in Oracle SQL Output pane.



Click Save Script.

The script is saved under SQL Scripts.



Creating an Application from a Generated SQL Script

When you save a script it saves it to SQL Scripts and you can directly run the Create Application Wizard from SQL Scripts page.

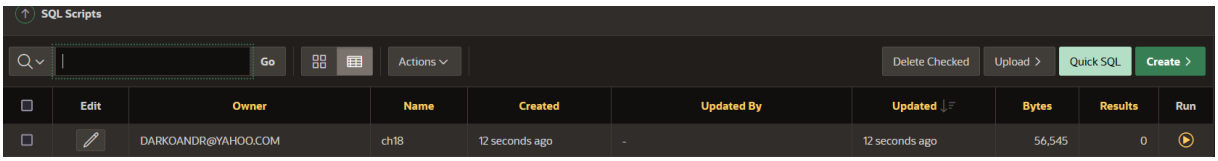
To create an application from script:

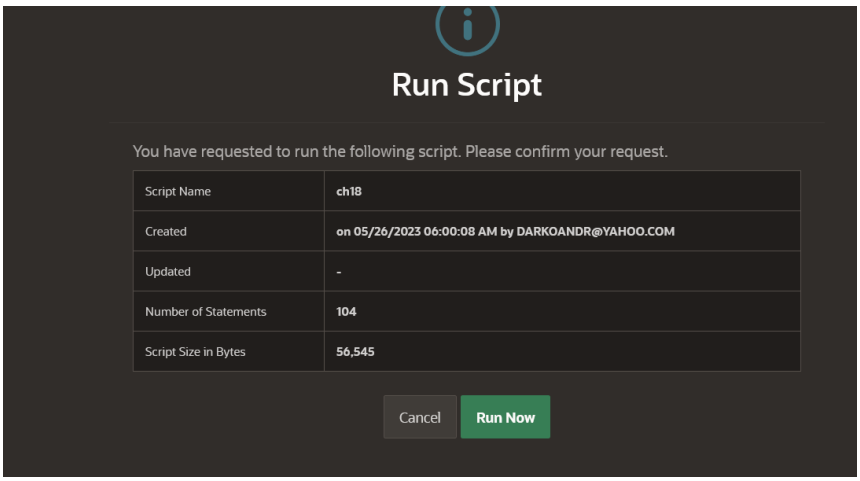
On the Workspace home page, click the SQL Workshop icon.

Click SQL Scripts.

The SQL Script page appears.

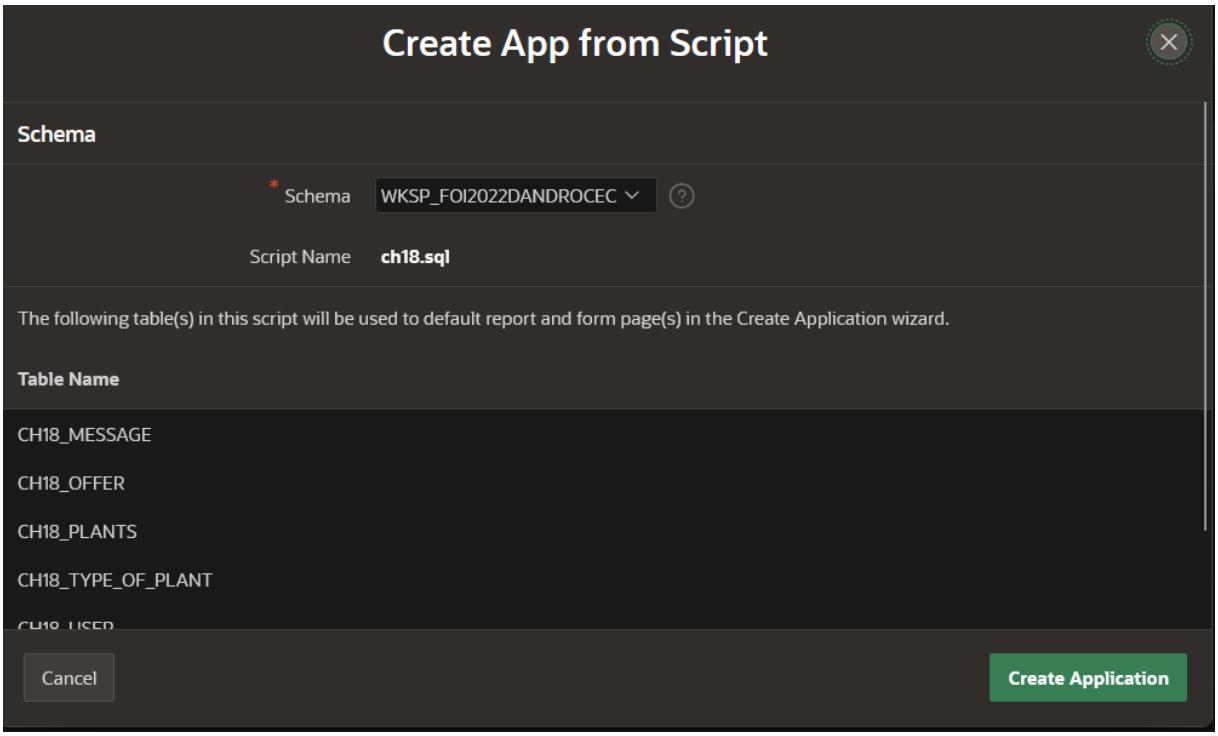
Locate the script and click Run.

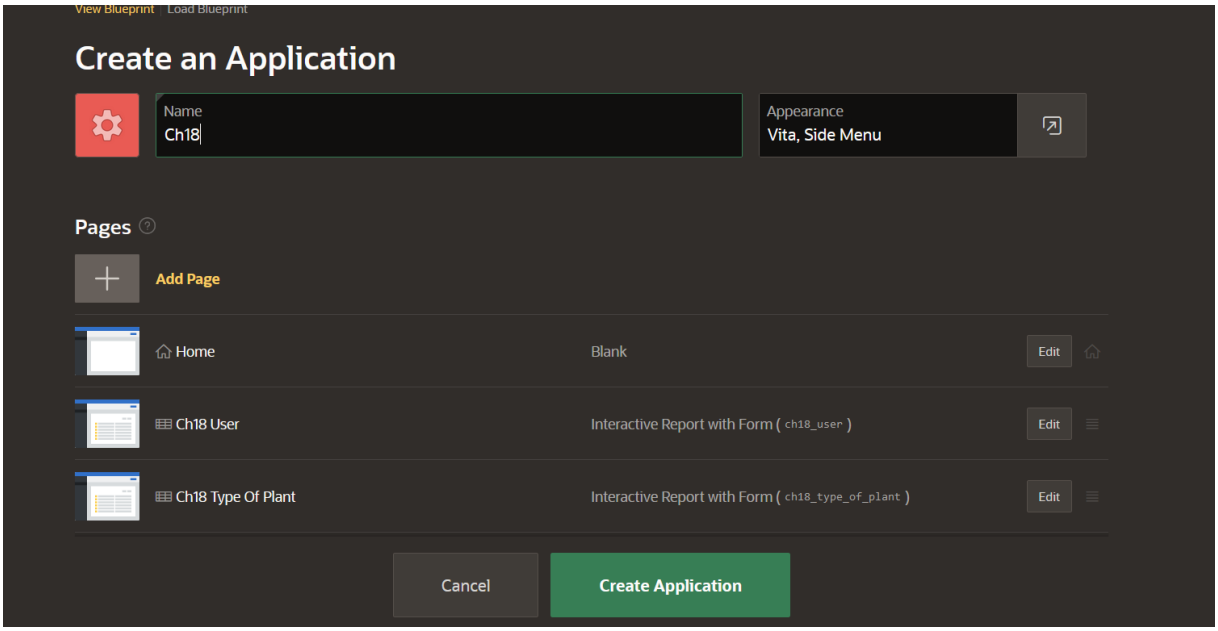


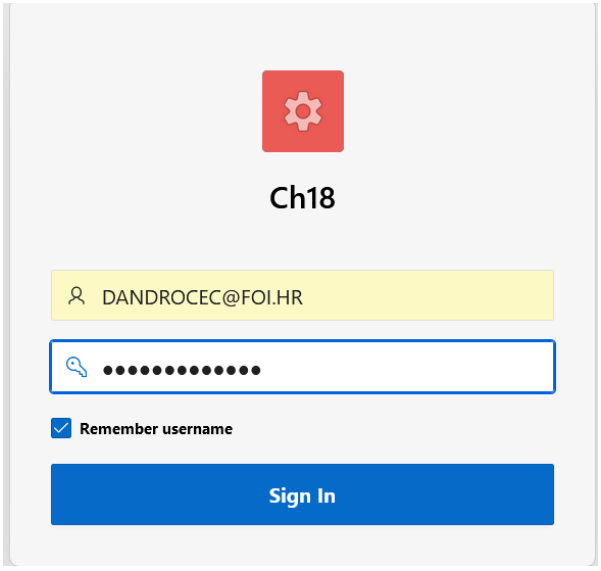


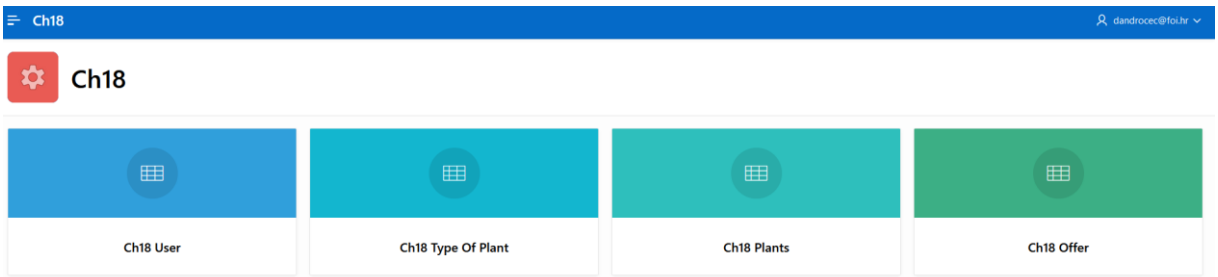
Number	Elapsed	Statement	Feedback	Rows
1	0.23	create table ch18_user (id	Table created.	0
2	0.03	create table ch18_type_of_plant (id	Table created.	0
3	0.03	create index ch18_type_of_plant_i1 on ch18_type_of_plant (ch	Index created.	0
4	0.04	create table ch18_plants (id	Table created.	0
5	0.02	create index ch18_plants_i1 on ch18_plants (ch18_plant_type_	Index created.	0
6	0.04	create table ch18_offer (id	Table created.	0
7	0.02	create index ch18_offer_i1 on ch18_offer (ch18_offer_plant_i	Index created.	0
8	0.01	create index ch18_offer_i152 on ch18_offer (ch18_offer_user_	Index created.	0
9	0.03	create table status_vc50 (id	Table created.	0
10	0.02	create index status_vc50_i1 on status_vc50 (ch18_offer_id)	Index created.	0
11	0.04	create table ch18_message (id	Table created.	0
12	0.02	create index ch18_message_i1 on ch18_message (ch18_message_o	Index created.	0
13	0.01	create index ch18_message_i222 on ch18_message (ch18_message	Index created.	0
14	0.01	create index ch18_message_i233 on ch18_message (ch18_message	Index created.	0
15	0.04	insert into ch18_user (id, user_type, firstname	1 row(s) inserted.	1

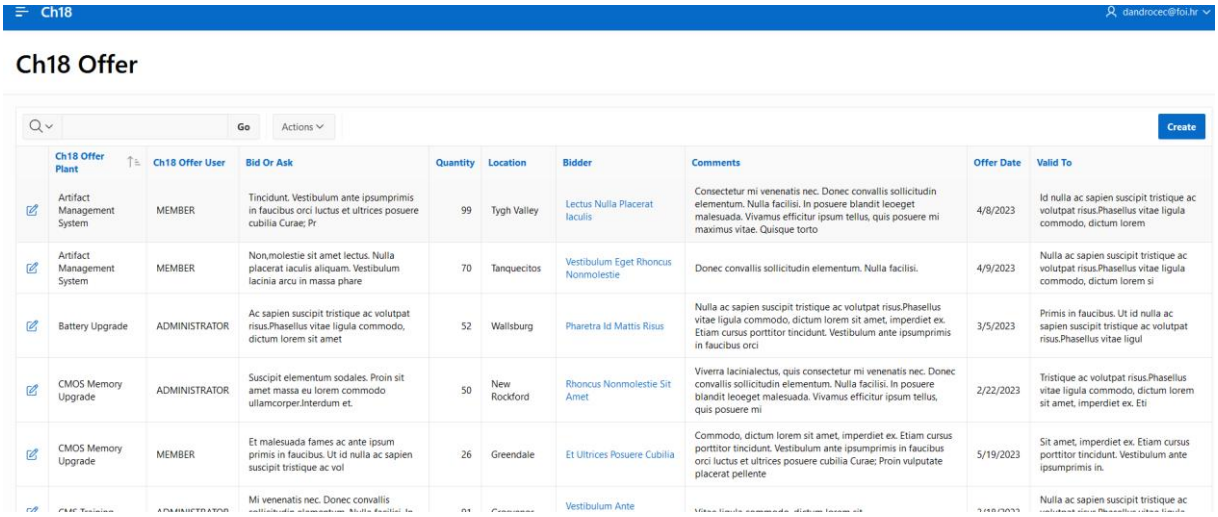
Create App:

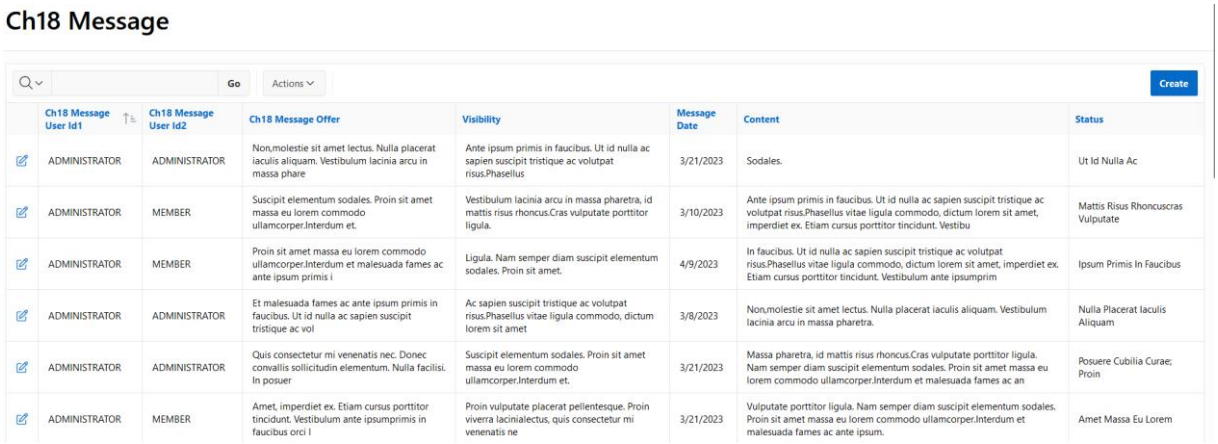



View Blueprint
Load Blueprint
Create an Application
Name
Ch18
Appearance
Vita, Side Menu
Pages
Add Page
Home
Blank
Edit
Ch18 User
Interactive Report with Form (ch18_user)
Edit
Ch18 Type Of Plant
Interactive Report with Form (ch18_type_of_plant)
Edit
Cancel
Create Application


Ch18
DANDROCEC@FOI.HR
Remember username
Sign In


Ch18
dandrocec@foi.hr
Ch18
Ch18 User
Ch18 Type Of Plant
Ch18 Plants
Ch18 Offer





Export and Import as Packaged Application

The steps are the same as described in guidelines for video for Chapter 14.