

*Domain specific language in action*

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# Tura - application generation solution

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- Generate
- Build
- Deploy



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# Pre Install

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Update hosts file

127.0.0.1 kc

127.0.0.1 wf

Install docker

Install node.js

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# Installation

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Use git to clone source code  
git clone <tura url>

Checkout branch  
cd tura  
git checkout <branch>

Start tura shell  
chmod +x ./processor/tura-gogo.sh  
./processor/tura-gogo.sh

Build Eclipse IDE  
shell>closure localbuildPluginAndProcessor

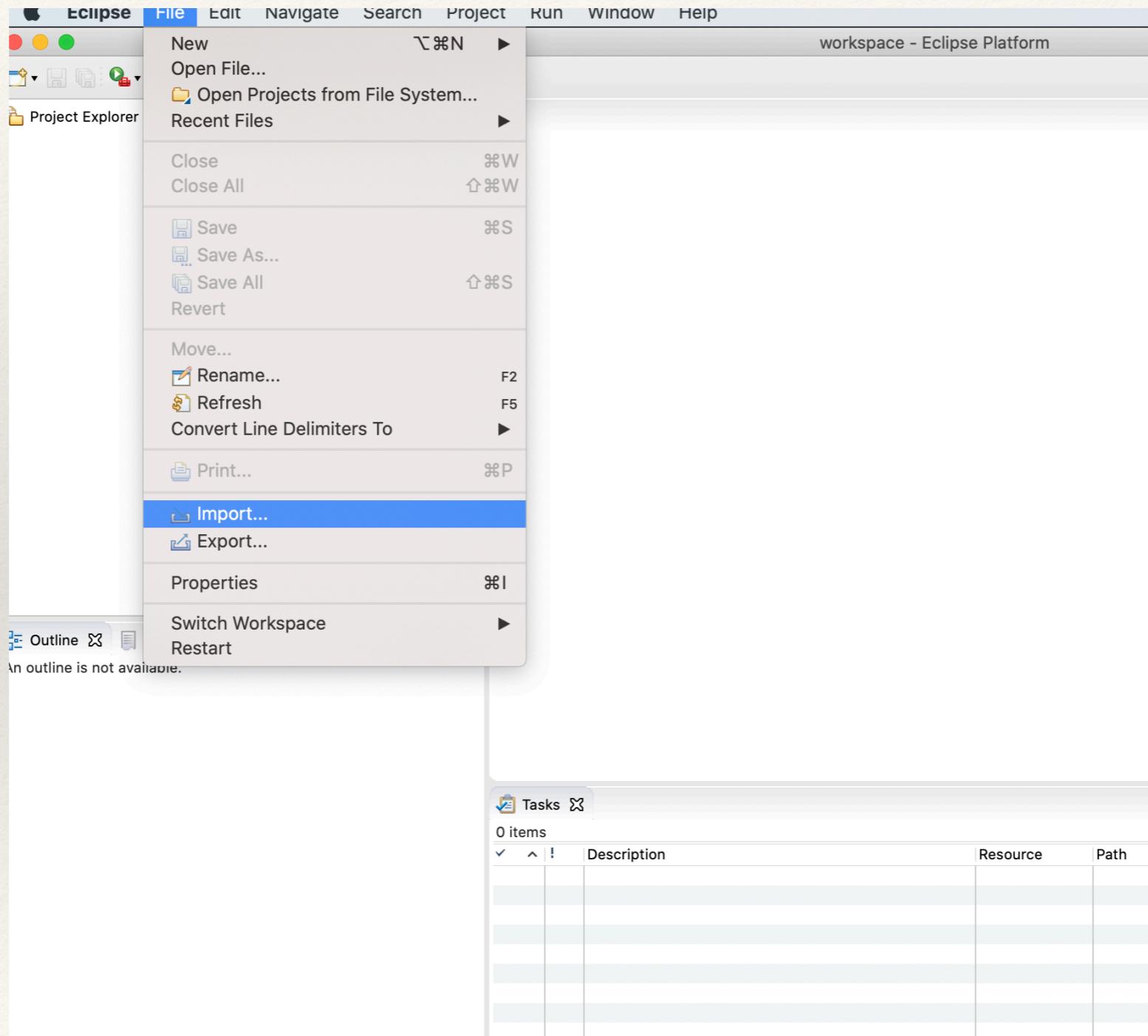
Build tura  
shell>closure buildPlatform

# Generated IDE

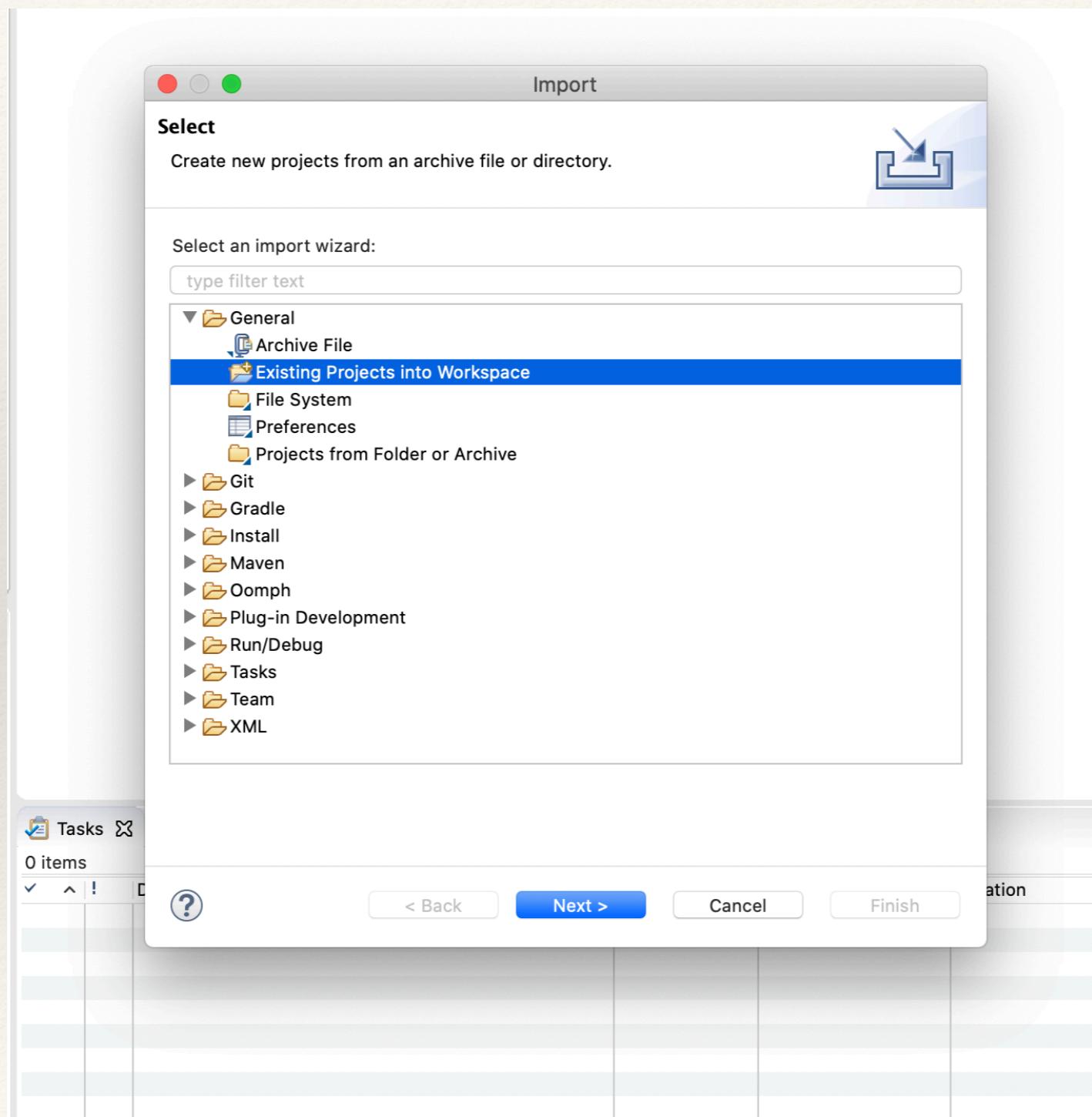
<TURA\_HOME>/sirius/site/org.tura.metamodel.site-definition/target/products

Name	Date Modified	Size
.project	Sep 9, 2020 at 3:48 PM	386 bytes
.settings	Sep 9, 2020 at 3:48 PM	-
org.tura.metamodel.site-definition	Today at 12:15 PM	-
.classpath	Sep 9, 2020 at 3:48 PM	369 bytes
.gitignore	Sep 9, 2020 at 3:48 PM	16 bytes
.project	Sep 9, 2020 at 3:48 PM	667 bytes
bin	Sep 14, 2020 at 12:18 PM	-
build.properties	Sep 9, 2020 at 3:48 PM	76 bytes
category.xml	Sep 9, 2020 at 3:48 PM	283 bytes
META-INF	Sep 9, 2020 at 3:48 PM	-
pom.xml	Sep 9, 2020 at 3:48 PM	1 KB
src	Sep 9, 2020 at 3:48 PM	-
target	Today at 12:15 PM	-
category.xml	Sep 14, 2020 at 10:48 AM	283 bytes
extraArtifacts	Sep 14, 2020 at 10:48 AM	-
local-artifacts.properties	Sep 14, 2020 at 10:48 AM	783 bytes
org.eclipse.equinox.executable-3.8.0.v20180518-2029	Sep 14, 2020 at 10:48 AM	-
org.tura.metamodel.site-definition-5.0.2.zip	Sep 14, 2020 at 10:49 AM	382 MB
p2agent	Sep 14, 2020 at 10:49 AM	-
p2artifacts.xml	Sep 14, 2020 at 10:48 AM	2 KB
p2content.xml	Sep 14, 2020 at 10:48 AM	288 KB
products	Sep 14, 2020 at 10:50 AM	-
tura.product	Sep 14, 2020 at 10:50 AM	-
tura.product-linux.gtk.x86_64.zip	Sep 14, 2020 at 10:50 AM	387.7 MB
tura.product-macosx.cocoa.x86_64.zip	Sep 14, 2020 at 10:50 AM	387.7 MB
tura.product-win32.win32.x86_64.zip	Sep 14, 2020 at 10:50 AM	388.1 MB
repository	Sep 14, 2020 at 10:49 AM	-
targetPlatformRepository	Sep 14, 2020 at 10:48 AM	-
tura.product	Sep 9, 2020 at 3:48 PM	57 KB
pom.xml	Sep 9, 2020 at 3:48 PM	571 bytes

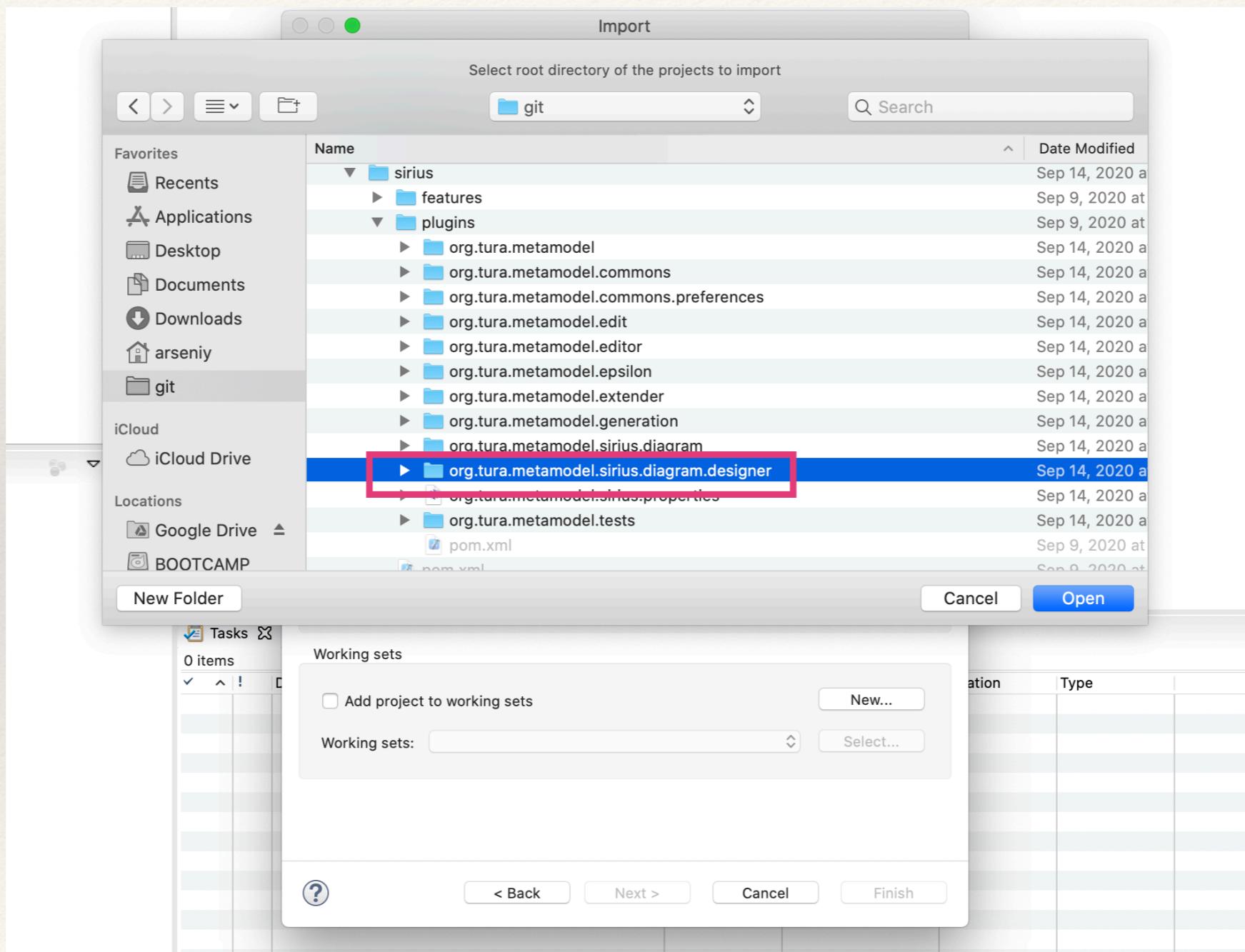
# Import model designer



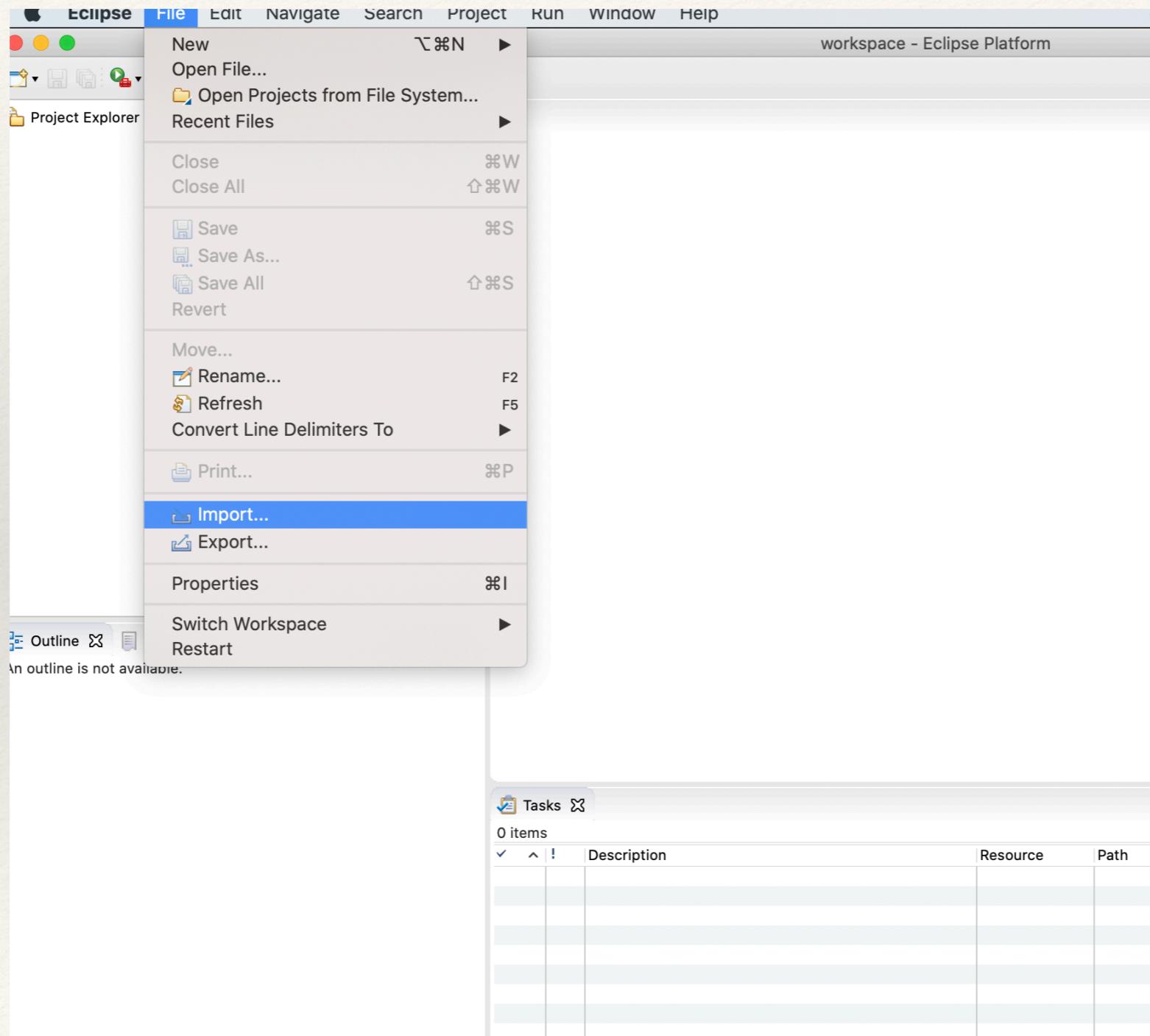
# Import model designer



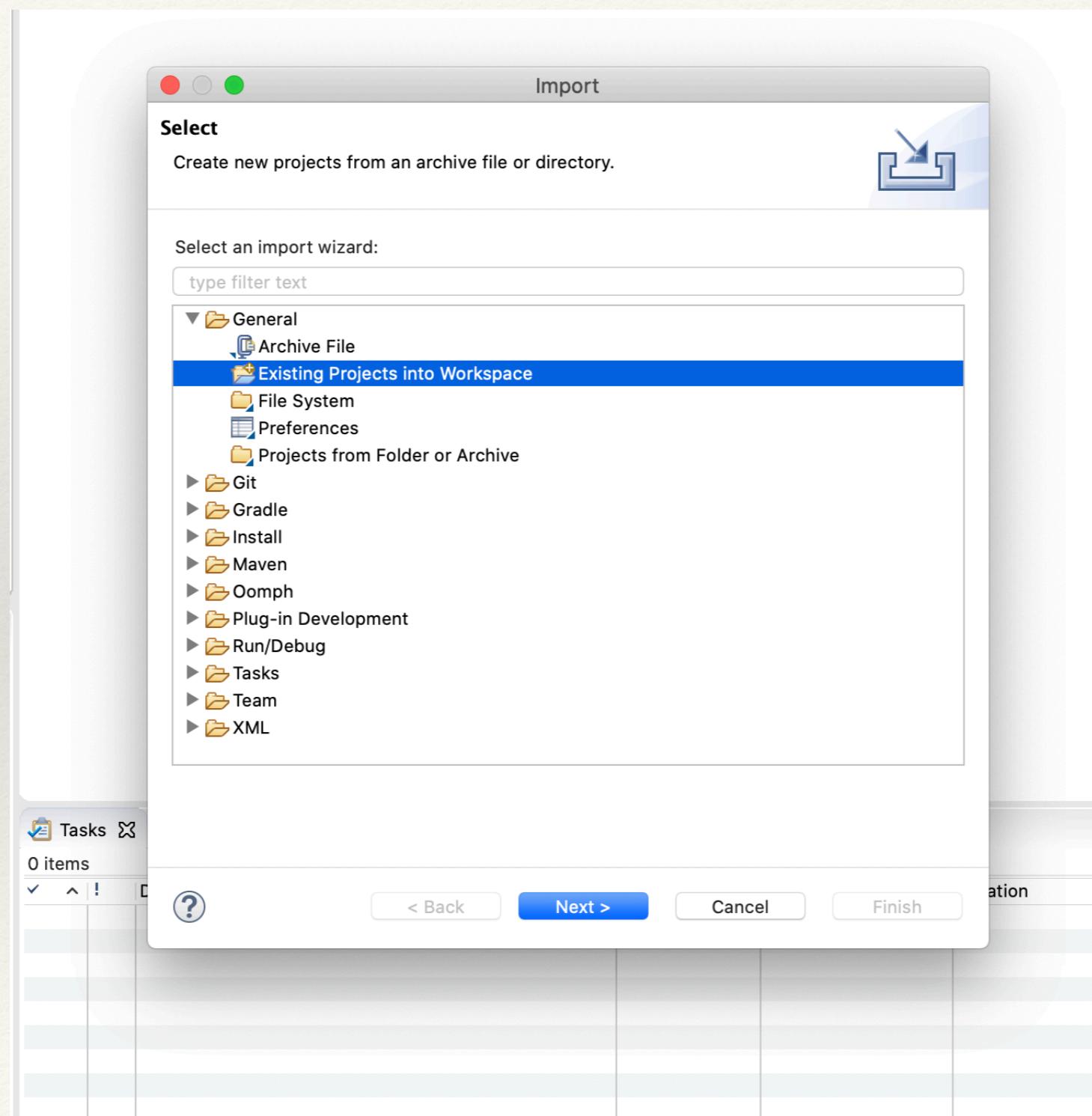
# Import model designer



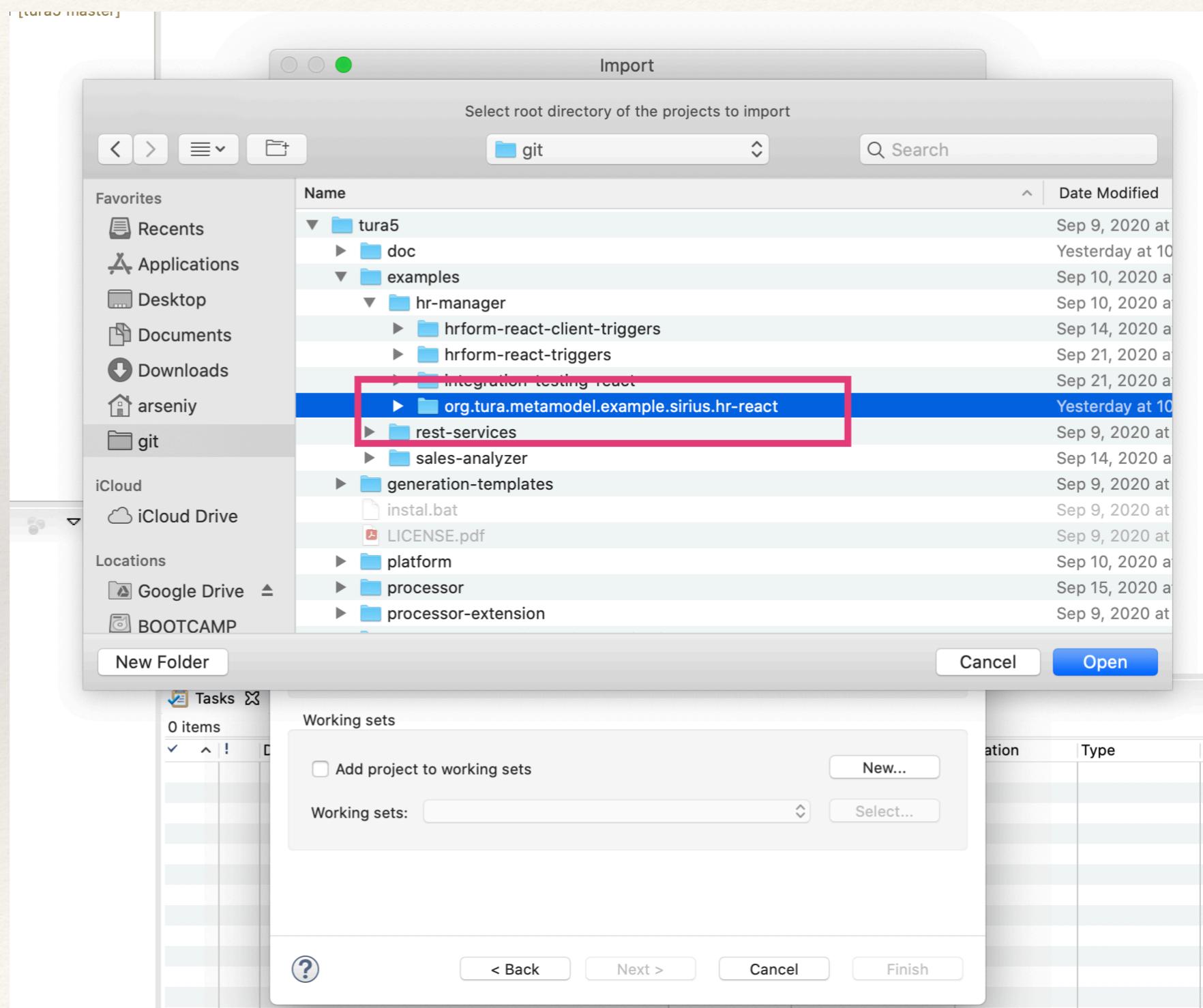
# Import model



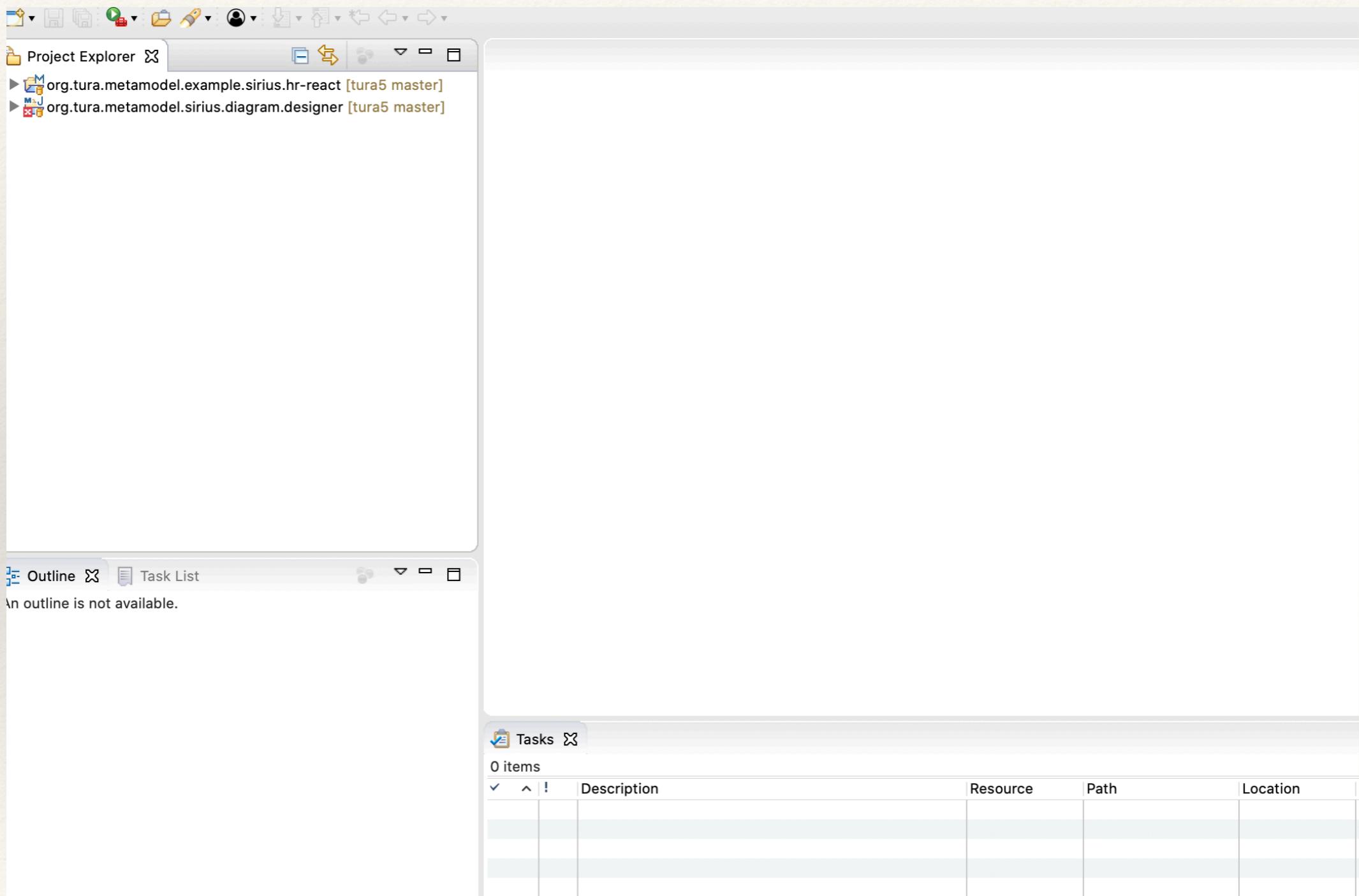
# Import model



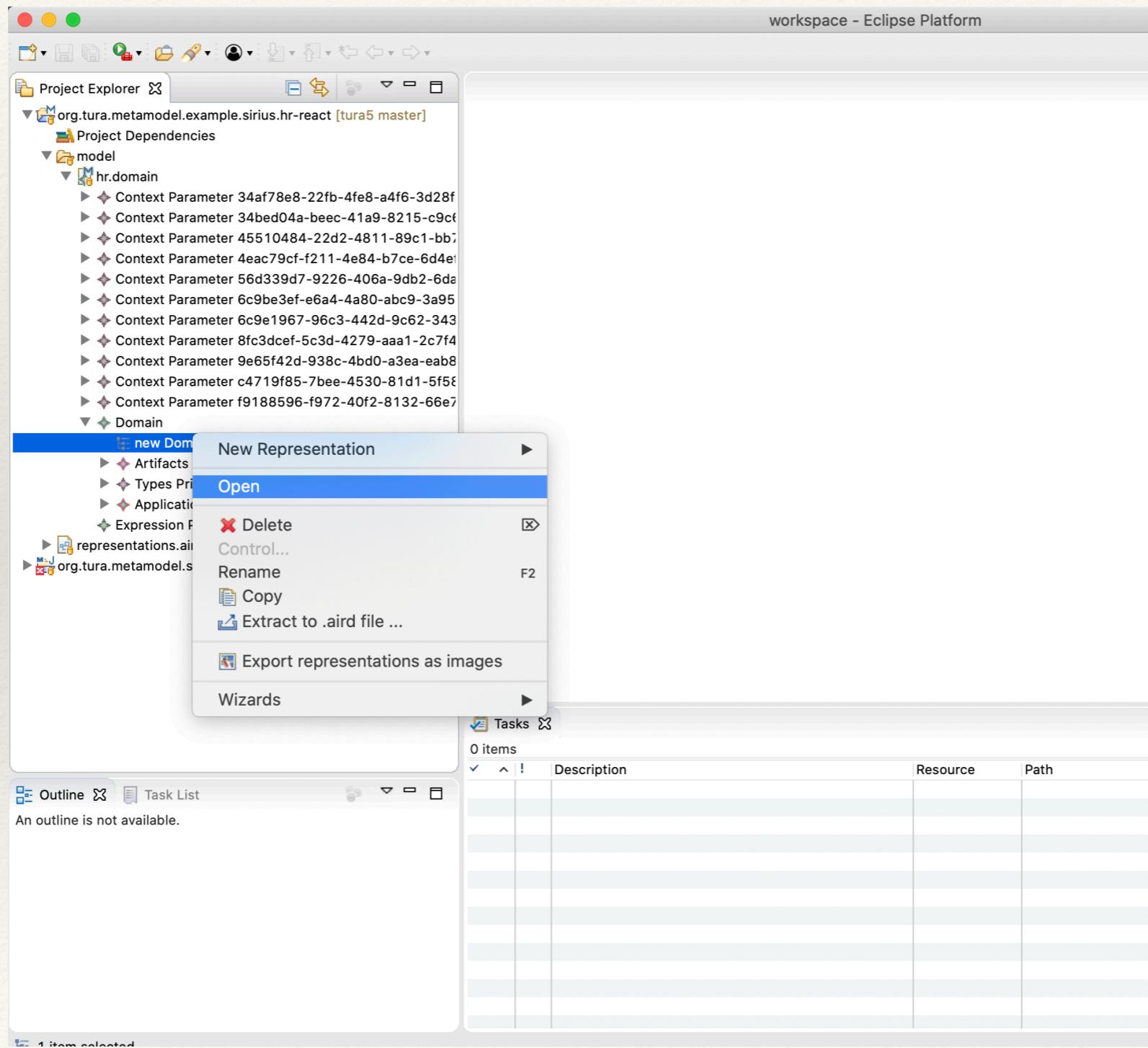
# Import model



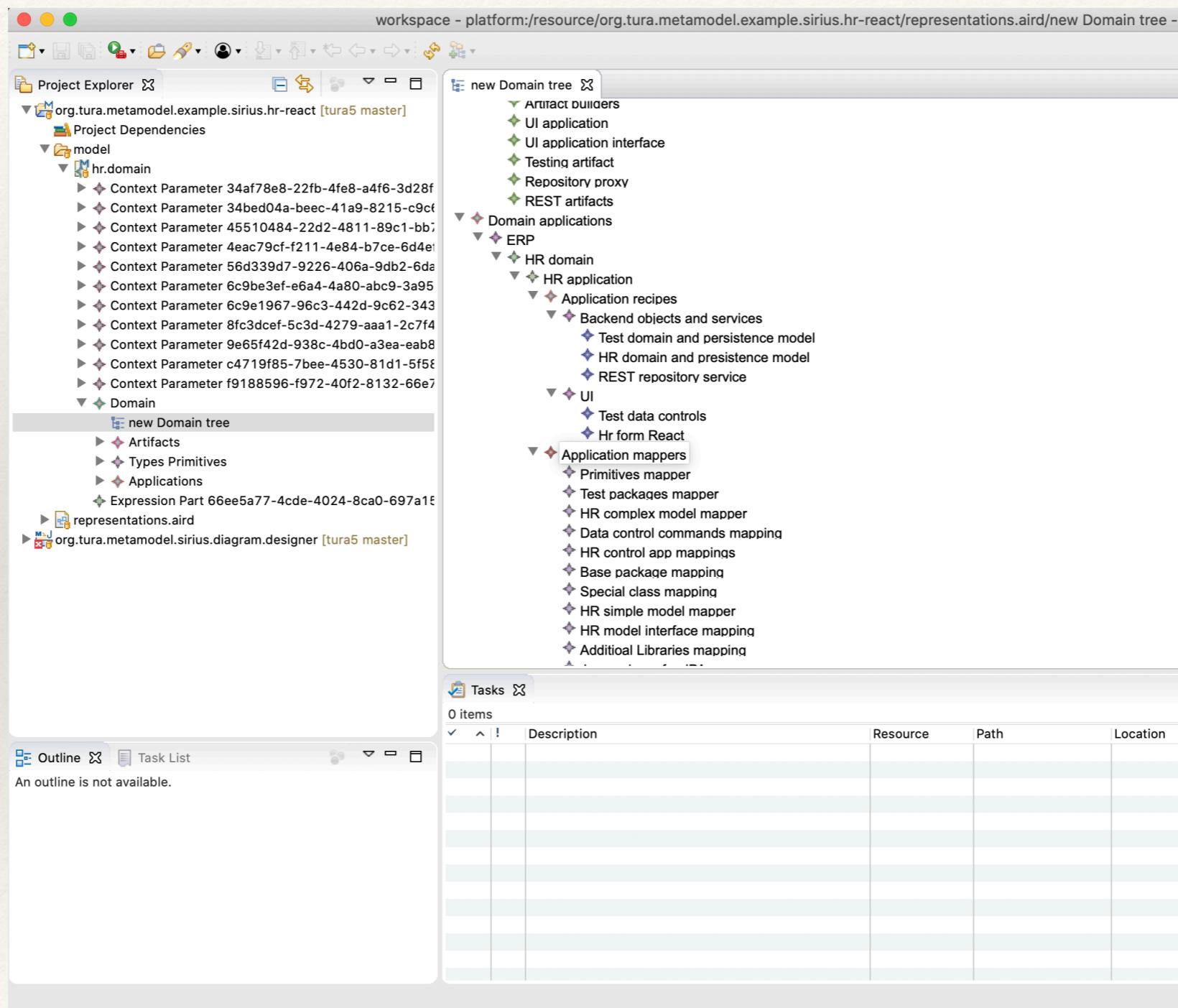
# Open model



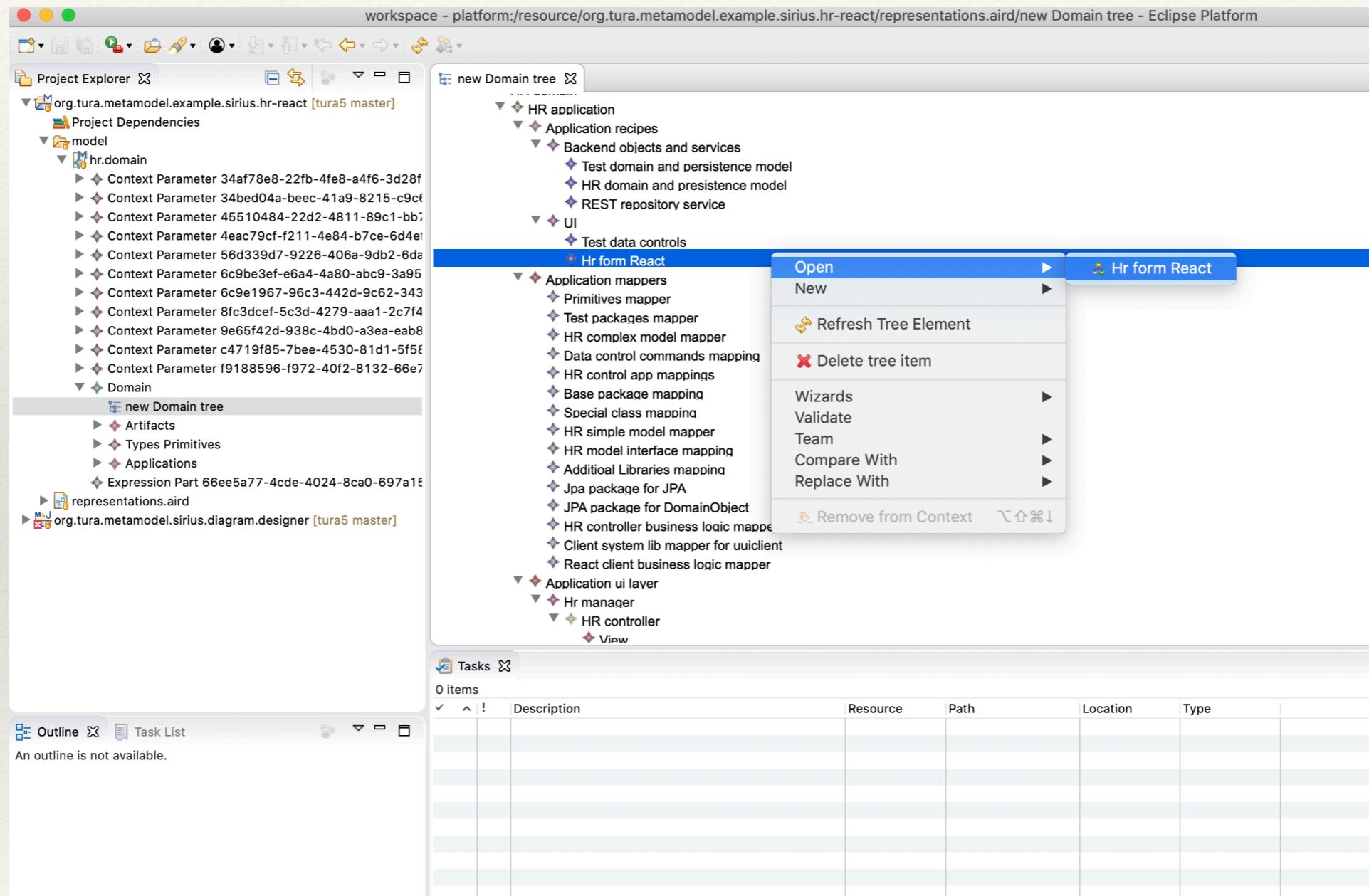
# Open model



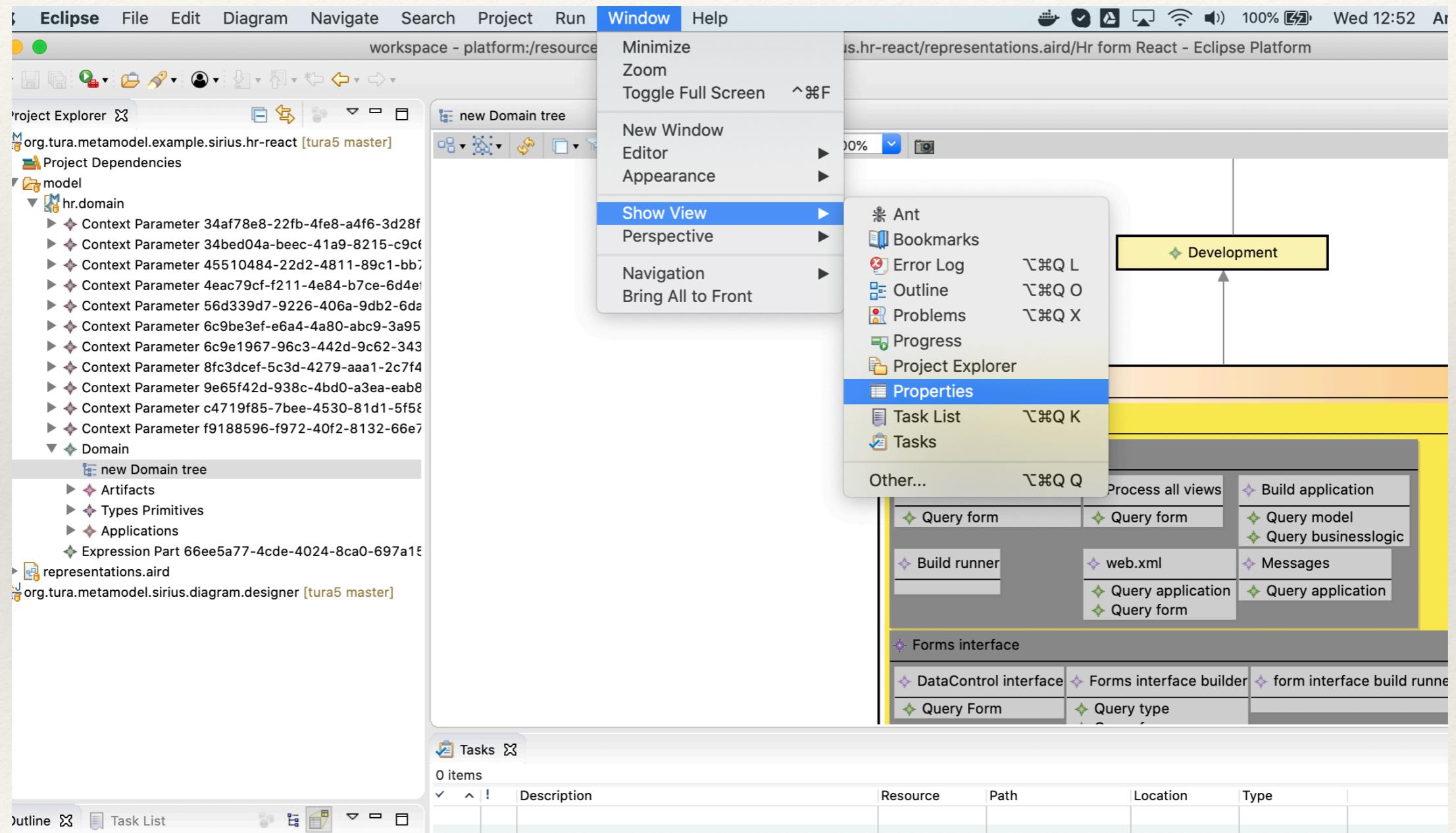
# Open model



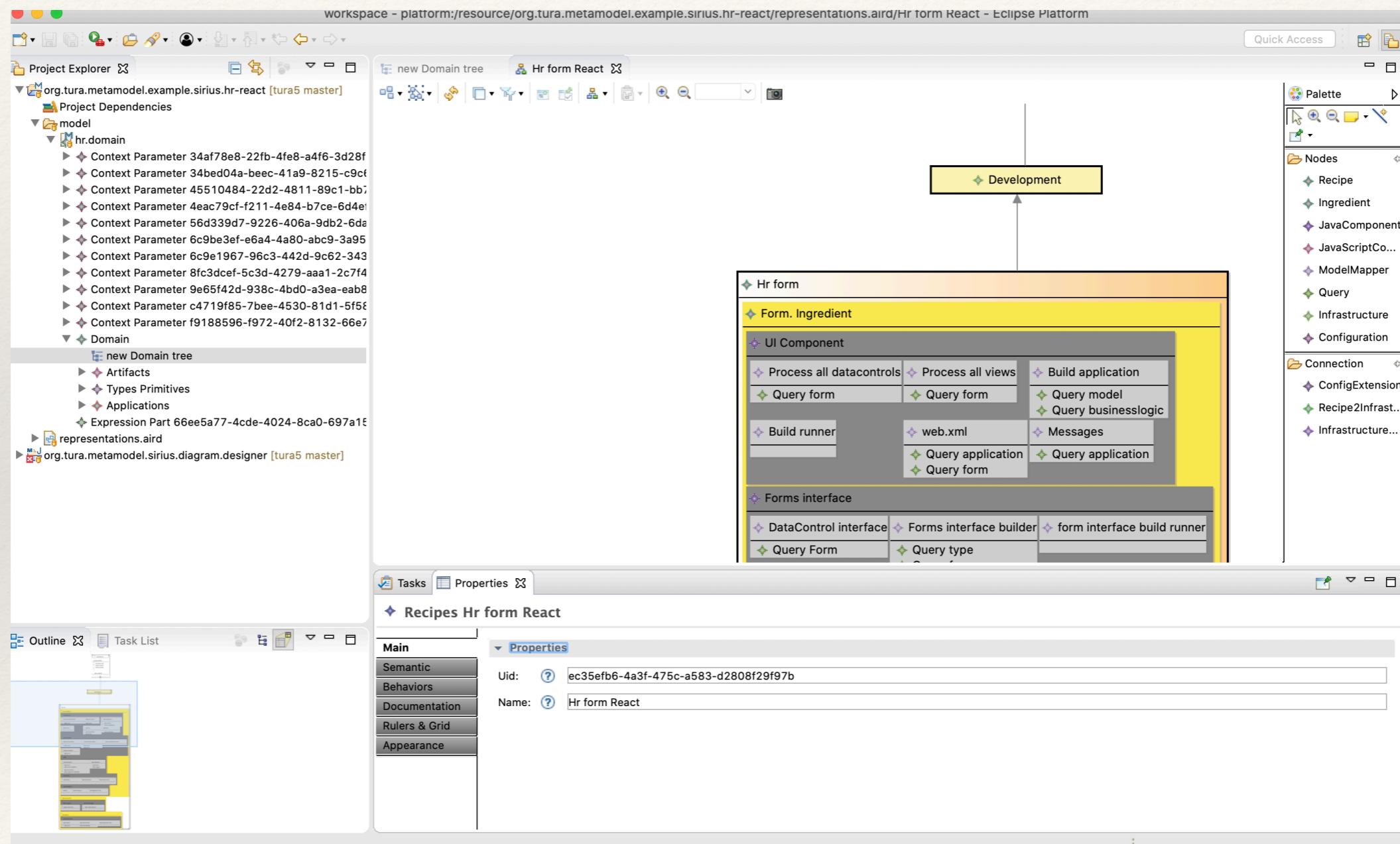
# Open model



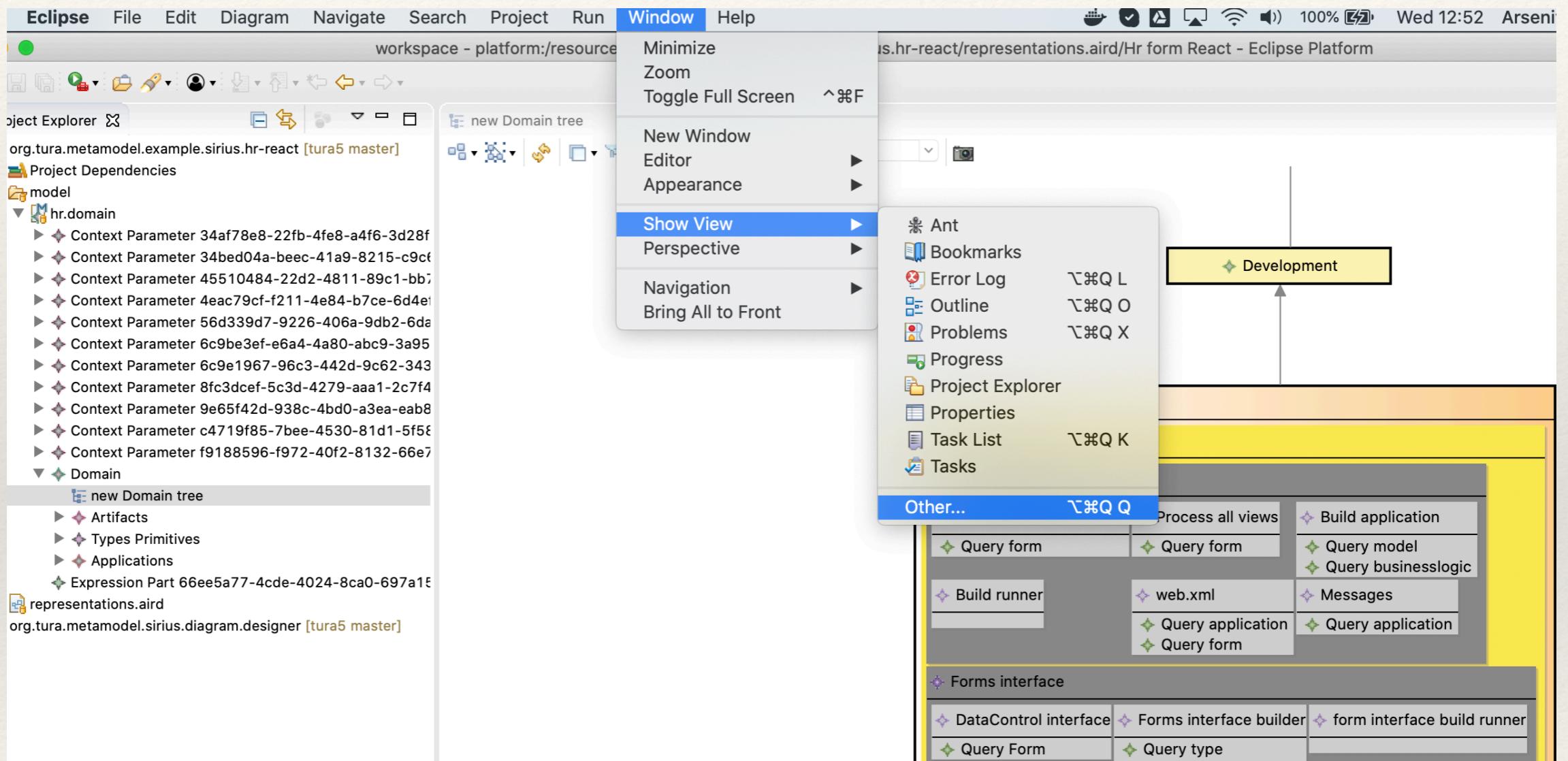
# Open properties window



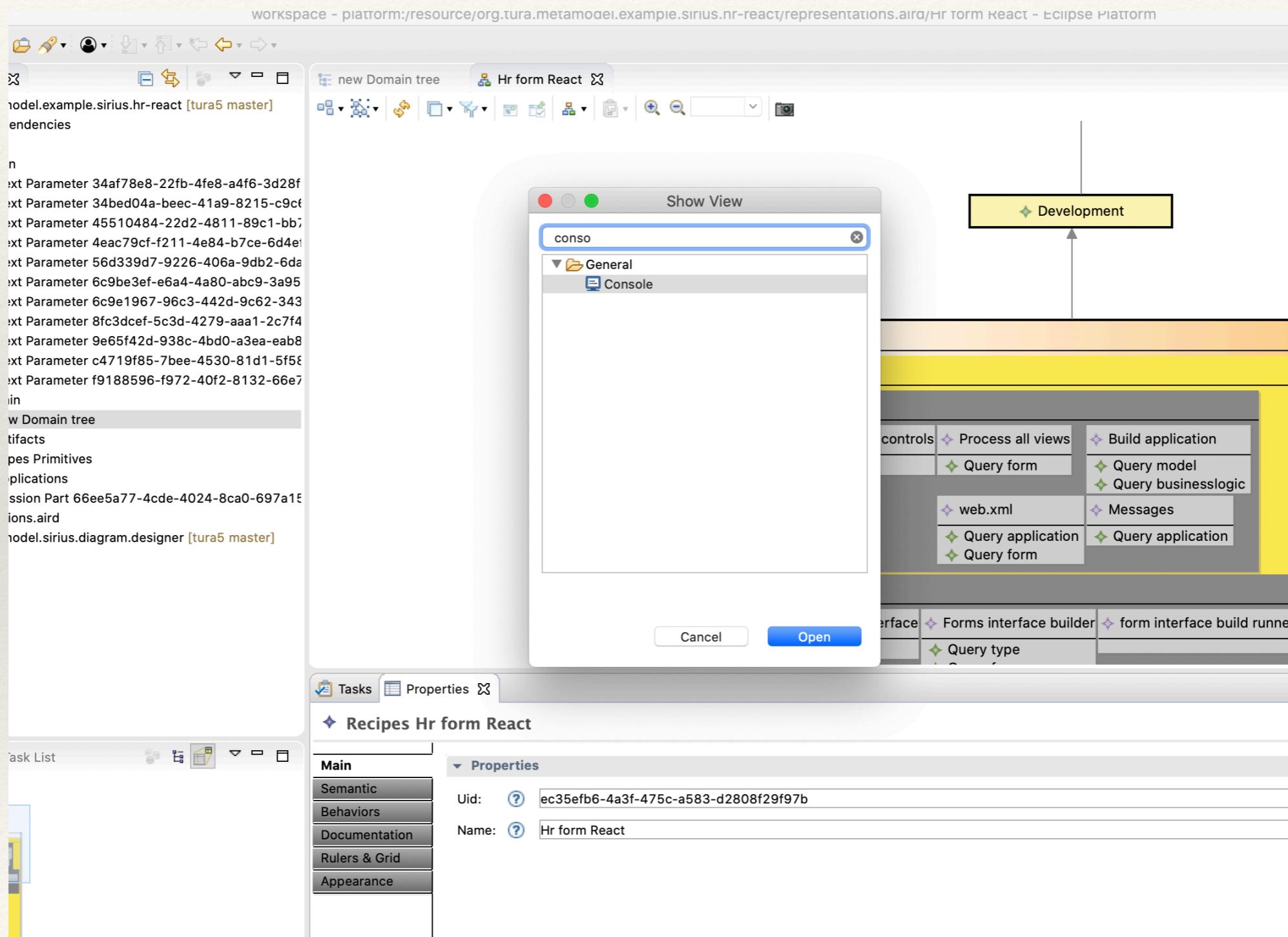
# Open properties window



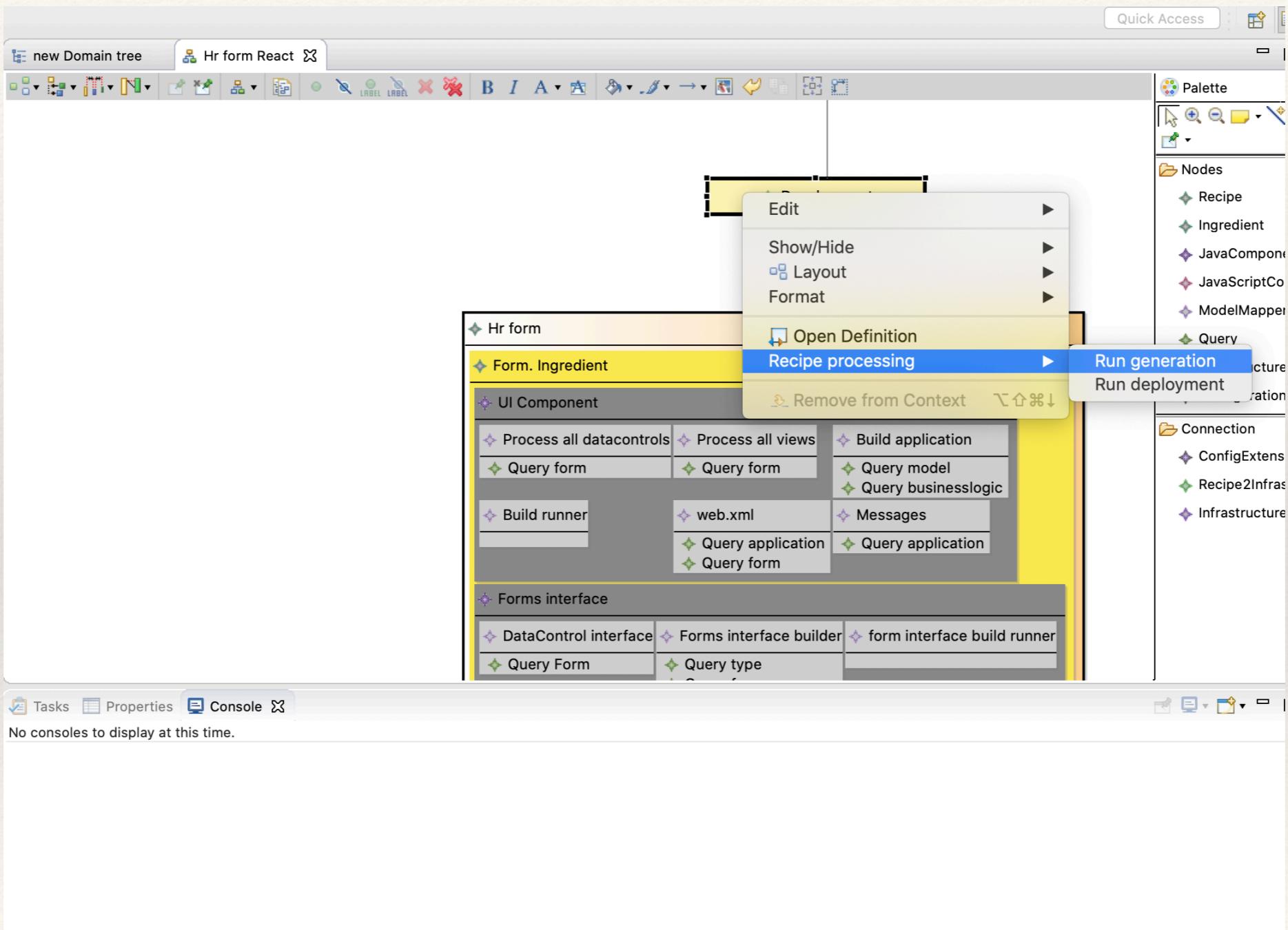
# Open console



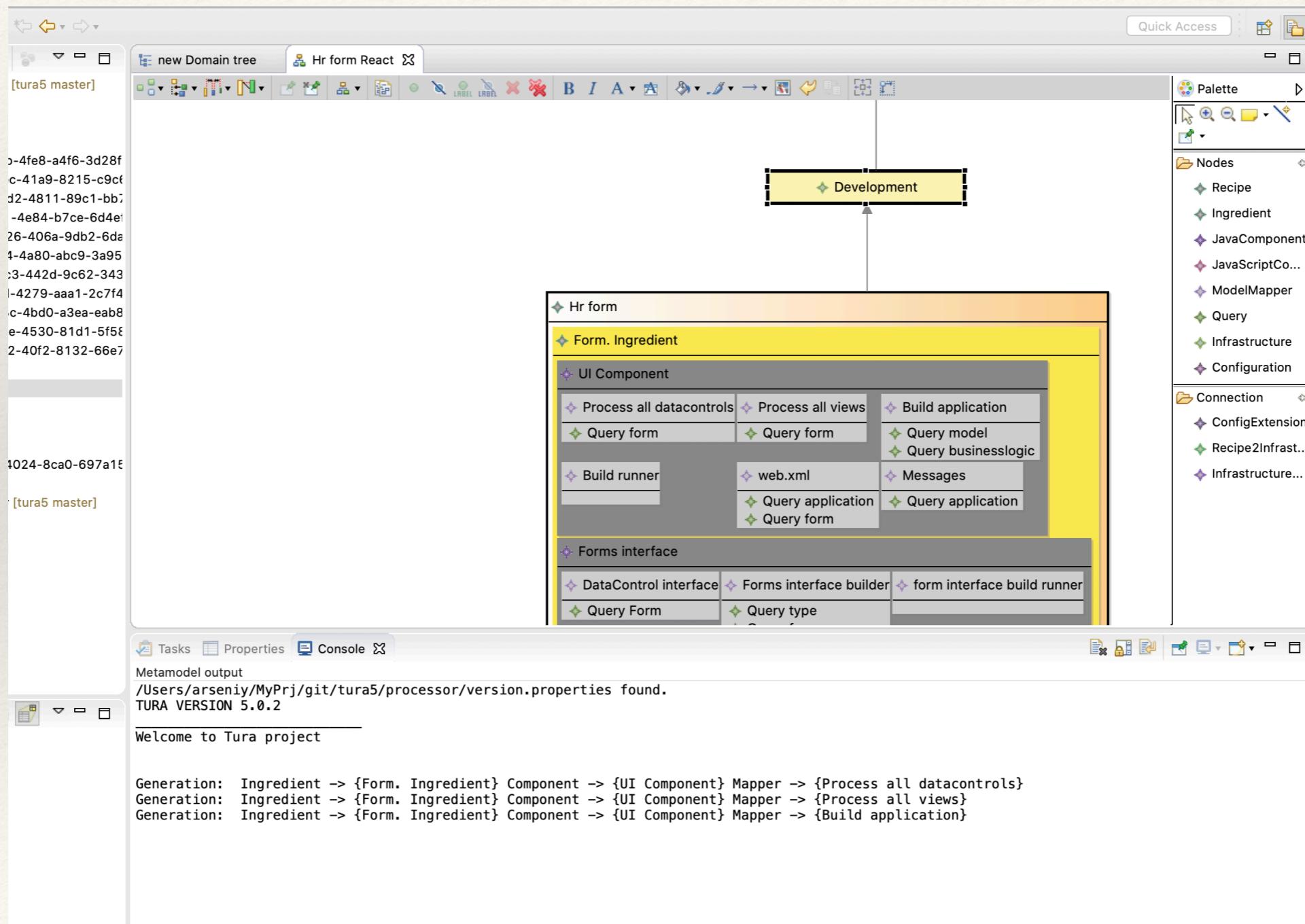
# Open console



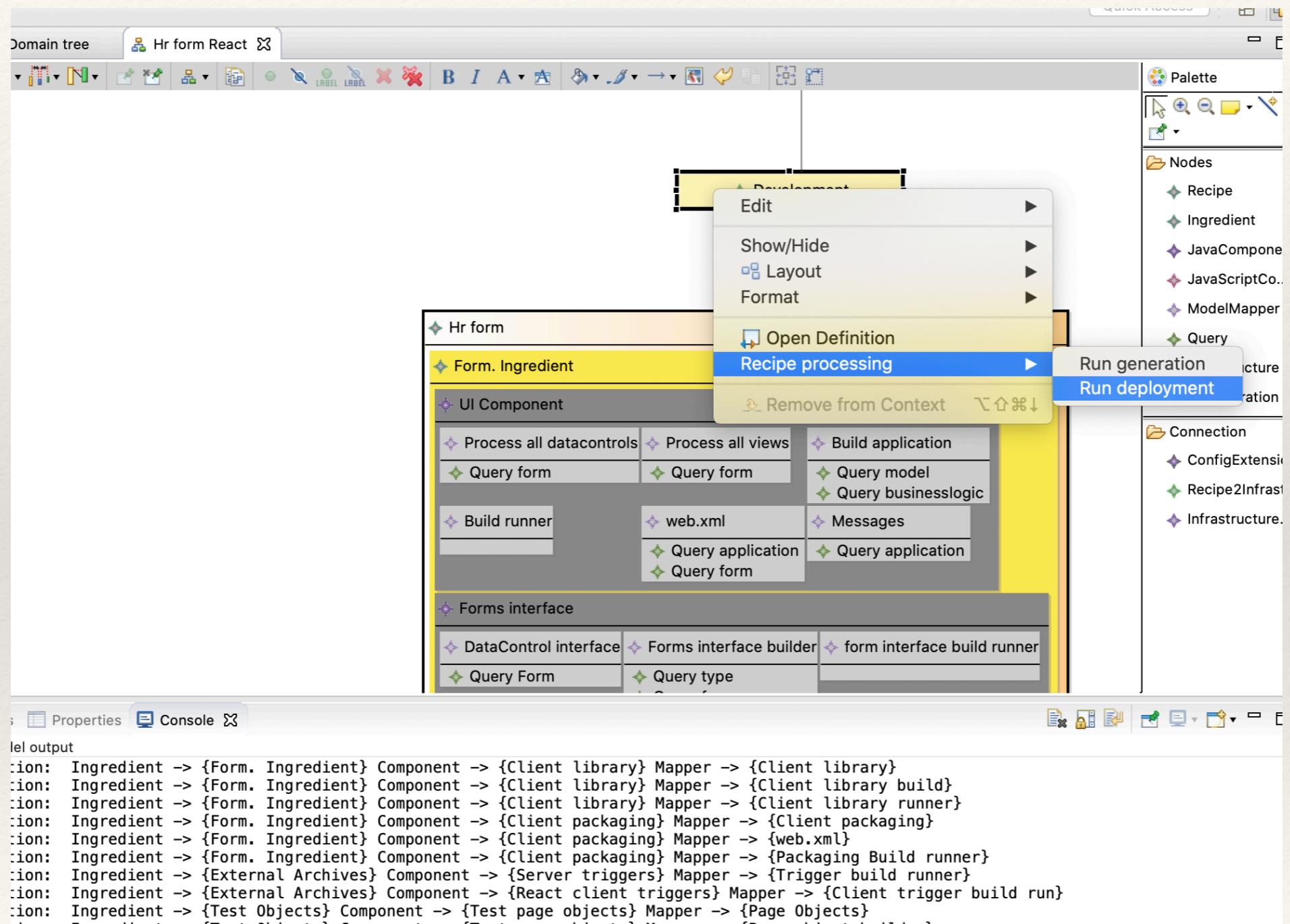
# Generate application



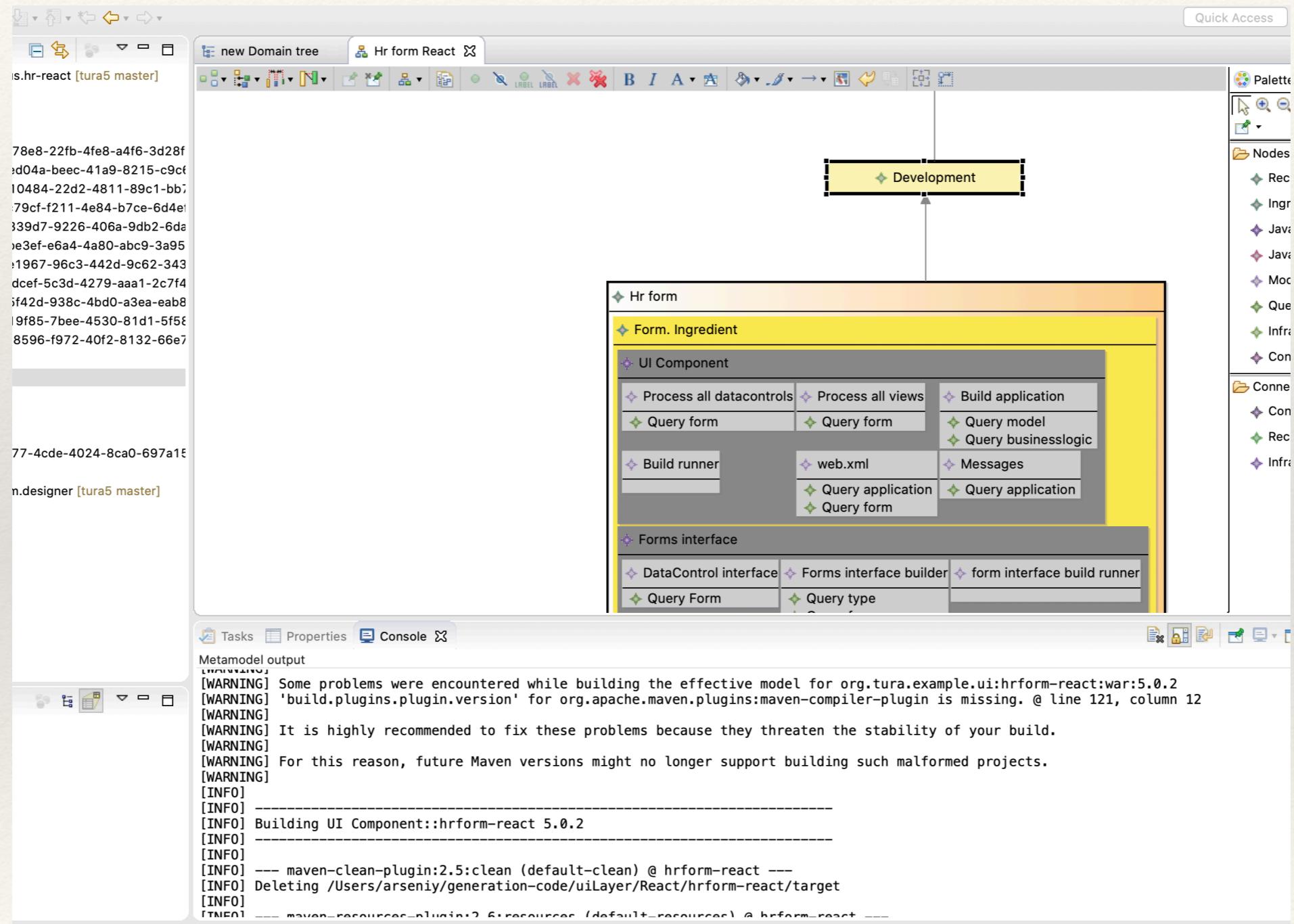
# Generate application



# Build application



# Build application



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# HR application

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Start tura shell

./processor/tura-gogo.sh

Show url's

shell>closure hrUrlList

<http://localhost:8080/hr-form-react-client/hrmanager/hrcontroller/hrController?param1=qwerty2>

http://localhost:8080/hr-form-react-client/hrmanager/tree2tree/tree2TreeRelations

http://localhost:8080/hr-form-react-client/hrmanager/tree2tree/tree2TreeMultiselect

http://localhost:8080/hr-form-react-client/hrmanager/testform1/testForm1

http://localhost:8080/hr-form-react-client/hrmanager/testform1/testForm2

http://localhost:8080/hr-form-react-client/hrmanager/testform2/testFormWindow

http://localhost:8080/hr-form-react-client/hrmanager/simpleform/simpleView

http://localhost:8080/hr-form-react-client/hrmanager/testform2/testFormWindow

http://localhost:8080/hr-form-react-client/hrmanager/testform2/testForm1Window

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# HR application

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Start application

shell>closure startHRAplication

Show application log

shell>closure hrLogWatch

# HR application

React App    +

localhost:8080/hr-form-react-client/hrmanager/hrController?param1=qwerty2

Forms ▾ Actions ▾

## HR Controller form

Company name	Description		
Company A			
Company B			

◀ ▶ 5 ▼ ▷

**Country 1**

Details:

Country details

Country

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# SA application

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Start tura shell

```
./processor/tura-gogo.sh
```

Show url's

```
shell>closure saUrlList
```

```
http://kc:8080/auth/admin/master/console/
```

```
http://wf:8081/sa-admin-react-client/admin/administration/adminWindow
```

```
http://wf:8081/sa-case-manager-react-client/analysis/casemanager/workItemWindow
```

```
http://wf:8081/sa-etl-controller-react-client/dataloader/etlcontroller/etlControlWindow
```

admin/qwerty

sales-manager/sales01

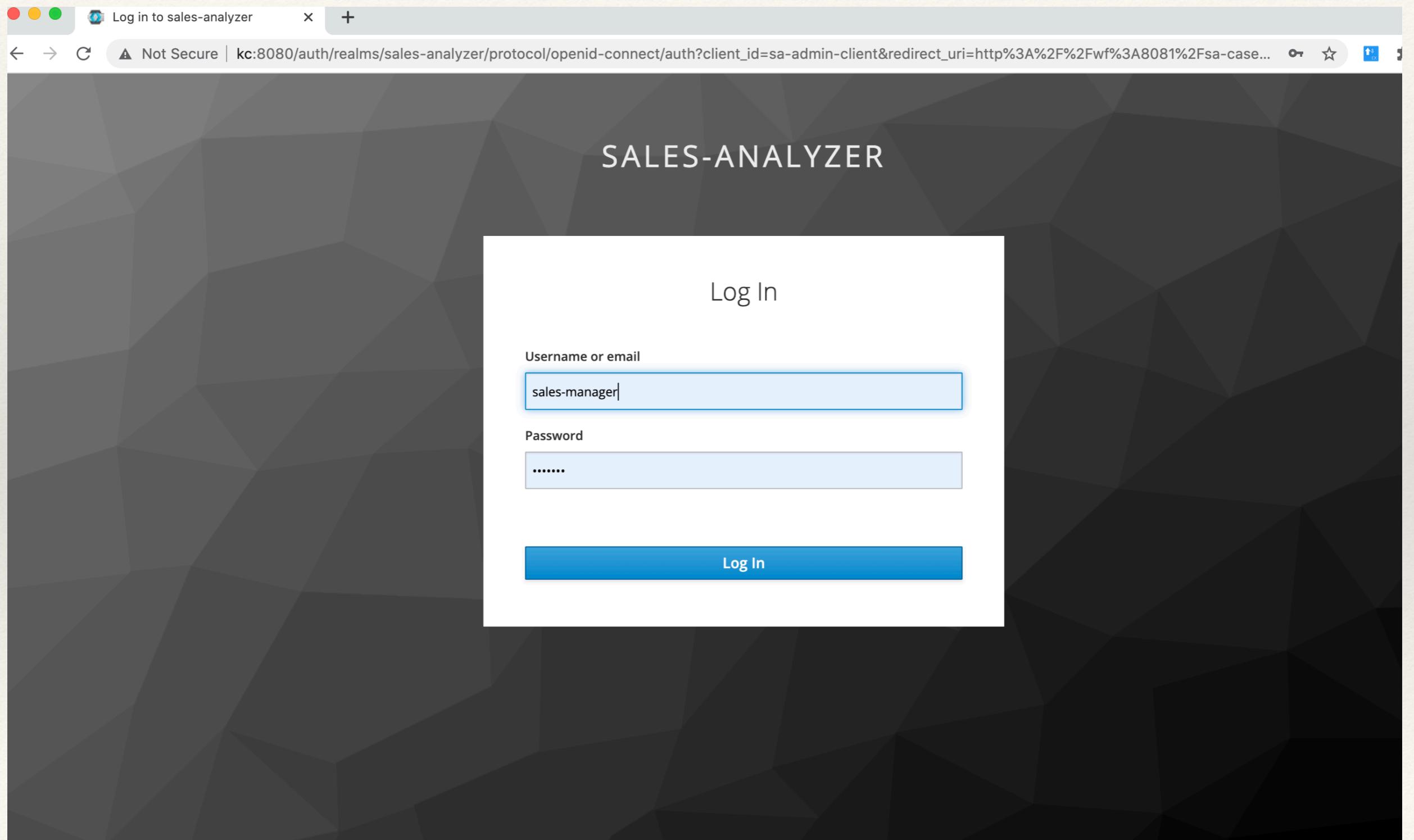
sales-manager/sales01

sales-manager/sales01

Start application

```
shell>closure startSAAplicationWithData
```

# SA application



# SA application

The screenshot shows a web-based application interface for managing work items. On the left, there is a sidebar with the following sections:

- Import data
- Case management** (highlighted in blue)
- Admin
- Logout

Below this is a **Search** section with the following fields:

- Province: Select value (dropdown menu)
- Assign to: Input field with edit and user icons
- City: Input field with search icon
- Product: Input field
- Case id: Input field

At the bottom of the sidebar are two buttons: **Query** and **Clear**.

The main area is titled **Workitems** and contains a table with the following data:

	Province	City	Product		Status	Assign to
<input type="checkbox"/>	Alberta	Airdrie	Product14	25	Case analysis	
<input type="checkbox"/>	Alberta	Airdrie	Product44	26	Case analysis	
<input type="checkbox"/>	Alberta	Athabasca	Product42	27	Case analysis	
<input type="checkbox"/>	Alberta	Banff	Product23	28	Case analysis	
<input type="checkbox"/>	Alberta	Barrhead	Product22	29	Case analysis	
<input type="checkbox"/>	Alberta	Beaumont	Product10	30	Case analysis	
<input type="checkbox"/>	Alberta	Beaumont	Product30	31	Case analysis	
<input type="checkbox"/>	Alberta	Beaverlodge	Product25	32	Case analysis	
<input type="checkbox"/>	Alberta	Black Diamond	Product1	33	Case analysis	
<input type="checkbox"/>	Alberta	Blackfalds	Product0	34	Case analysis	

At the bottom of the table is a navigation bar with arrows and a page number indicator (10).

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# Tura solution

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