

Generating Profound.js Modules with JumpStart

Written Tutorial

JumpStart provides the ability to automatically generate user interface and business logic code for Profound.js modules. It uses the database files you select as a starting point.

In this example, we'll walk through generating a Node.js application with a Rich Display File user interface.

Step 1

Launch JumpStart and run through the Application Type and File Selection. For Profound.js, select Node.js in the Language box and use a Rich Display File for the Display Type. After you have gone through all the setup, select Retrieve Fields.

Application Type and File Selection

Application Type:	<input type="text" value="Subfile"/>
Subfile Type:	<input type="text" value="Load All"/>
Actions:	<input checked="" type="checkbox"/> View <input checked="" type="checkbox"/> Edit <input checked="" type="checkbox"/> Add <input checked="" type="checkbox"/> Delete
View/Edit/Add:	<input type="text" value="One Combined Screen"/>
Language:	<input type="text" value="Node.js"/>
Display Type:	<input type="text" value="Rich Display File"/>
Template:	<input type="text" value="Standard Node"/>
Database File:	<input type="text" value="PRODUCTSP"/> Modify Library List
Extra Database Files:	(none)
Application Title:	<input type="text" value="Product List"/>

Step 2

As you would for any JumpStart template, select the fields you'd like the display to show when using it.

In the Code Generation section, the Library and [Proxy Name](#) is the location for the object that will be created so that your generated application can be called from a [Genie session](#). The Rich Display File (View) and the Main Node.js File are both locations where the Rich Display and Node.js code are going to be stored.

- The Proxy Name and Main Node.js File names should both be the same (not case-sensitive).
- The Rich Display File (View) and the Main Node.js File paths should both be the same, just with different file names.
- As you enter in a Library and Proxy name, it will update the Rich Display File (View) and the Main Node.js File accordingly.

Code Generation

Overwrite existing source members or IFS files.

Library:

Proxy Name:

Rich Display File (View):

Main Node.js File:

Click *Generate Application* and you should be notified that your application has been generated.

Step 2.5: The Object and Source

To locate the object, use 'WRKOBJ <LIBRARY>/<PROXYNAME>' - where <LIBRARY> is the Library name you used and <PROXYNAME> is the Proxy Name you used when generating your application.

```

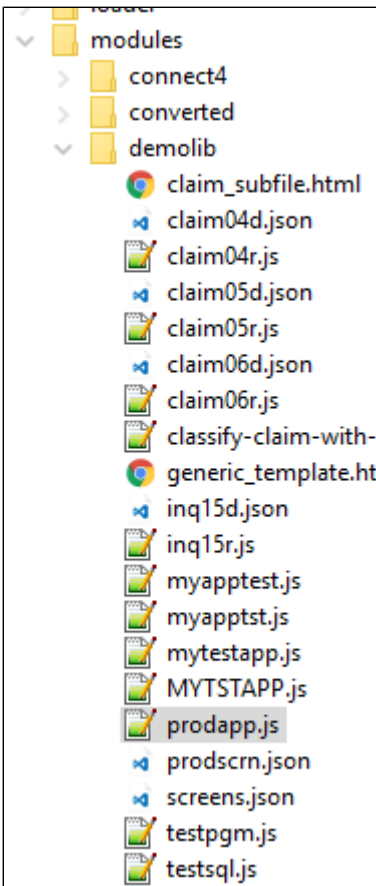
Work with Objects

Type options, press Enter.
 2=Edit authority      3=Copy  4=Delete  5=Display authority  7=Rename
 8=Display description 13=Change description

Opt Object   Type      Library  Attribute  Text
--  ---
  _  PRODAPP  *PGM     DEMOLIB   CPPLE      Profound.js stub Program

```

To locate our Node.js source and Rich Display File, just follow the path that you used when generating your application.

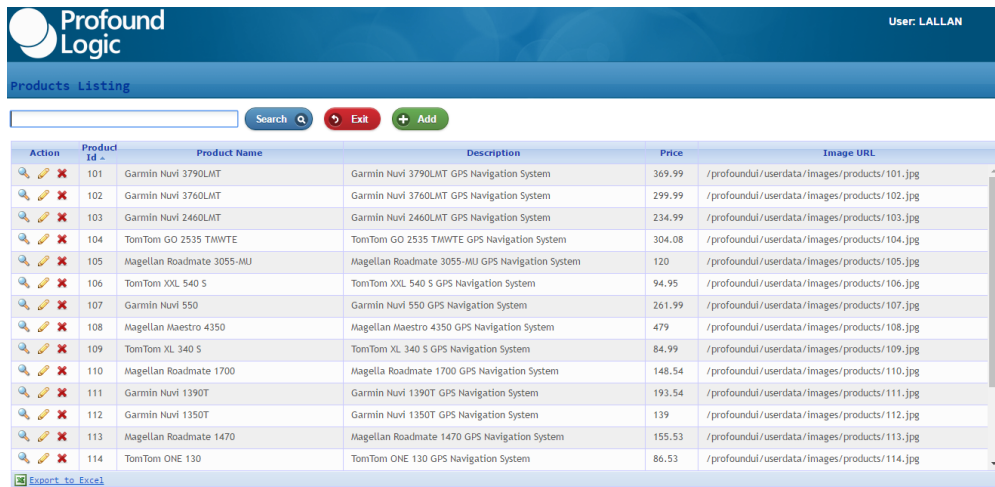












































Step 3

Now you have successfully generated your application, you should now be able to call it from a Genie session.

Before you can call your application, you will need to set your library list up so some of the Profound.js dependencies are picked up: In your Genie session: `C HGLIBL LIBL(DEMOLIB PROFOUNDDS PROFOUNDI)`

After you set up your library list, you can simply call your program (proxy) a Genie session: `CALL PRODAPP`



Action	Product Id	Product Name	Description	Price	Image URL
  	101	Garmin Nuvi 3790LMT	Garmin Nuvi 3790LMT GPS Navigation System	369.99	/profoundui/userdata/images/products/101.jpg
  	102	Garmin Nuvi 3760LMT	Garmin Nuvi 3760LMT GPS Navigation System	299.99	/profoundui/userdata/images/products/102.jpg
  	103	Garmin Nuvi 2460LMT	Garmin Nuvi 2460LMT GPS Navigation System	234.99	/profoundui/userdata/images/products/103.jpg
  	104	TomTom GO 2535 TMMWTE	TomTom GO 2535 TMMWTE GPS Navigation System	304.08	/profoundui/userdata/images/products/104.jpg
  	105	Magellan Roadmate 3055-MJ	Magellan Roadmate 3055-MJ GPS Navigation System	120	/profoundui/userdata/images/products/105.jpg
  	106	TomTom XXL 540 S	TomTom XXL 540 S GPS Navigation System	94.95	/profoundui/userdata/images/products/106.jpg
  	107	Garmin Nuvi 550	Garmin Nuvi 550 GPS Navigation System	261.99	/profoundui/userdata/images/products/107.jpg
  	108	Magellan Maestro 4350	Magellan Maestro 4350 GPS Navigation System	479	/profoundui/userdata/images/products/108.jpg
  	109	TomTom XL 340 S	TomTom XL 340 S GPS Navigation System	84.99	/profoundui/userdata/images/products/109.jpg
  	110	Magellan Roadmate 1700	Magellan Roadmate 1700 GPS Navigation System	148.54	/profoundui/userdata/images/products/110.jpg
  	111	Garmin Nuvi 1390T	Garmin Nuvi 1390T GPS Navigation System	193.54	/profoundui/userdata/images/products/111.jpg
  	112	Garmin Nuvi 1350T	Garmin Nuvi 1350T GPS Navigation System	139	/profoundui/userdata/images/products/112.jpg
  	113	Magellan Roadmate 1470	Magellan Roadmate 1470 GPS Navigation System	155.53	/profoundui/userdata/images/products/113.jpg
  	114	TomTom ONE 130	TomTom ONE 130 GPS Navigation System	86.53	/profoundui/userdata/images/products/114.jpg

Video Tutorial