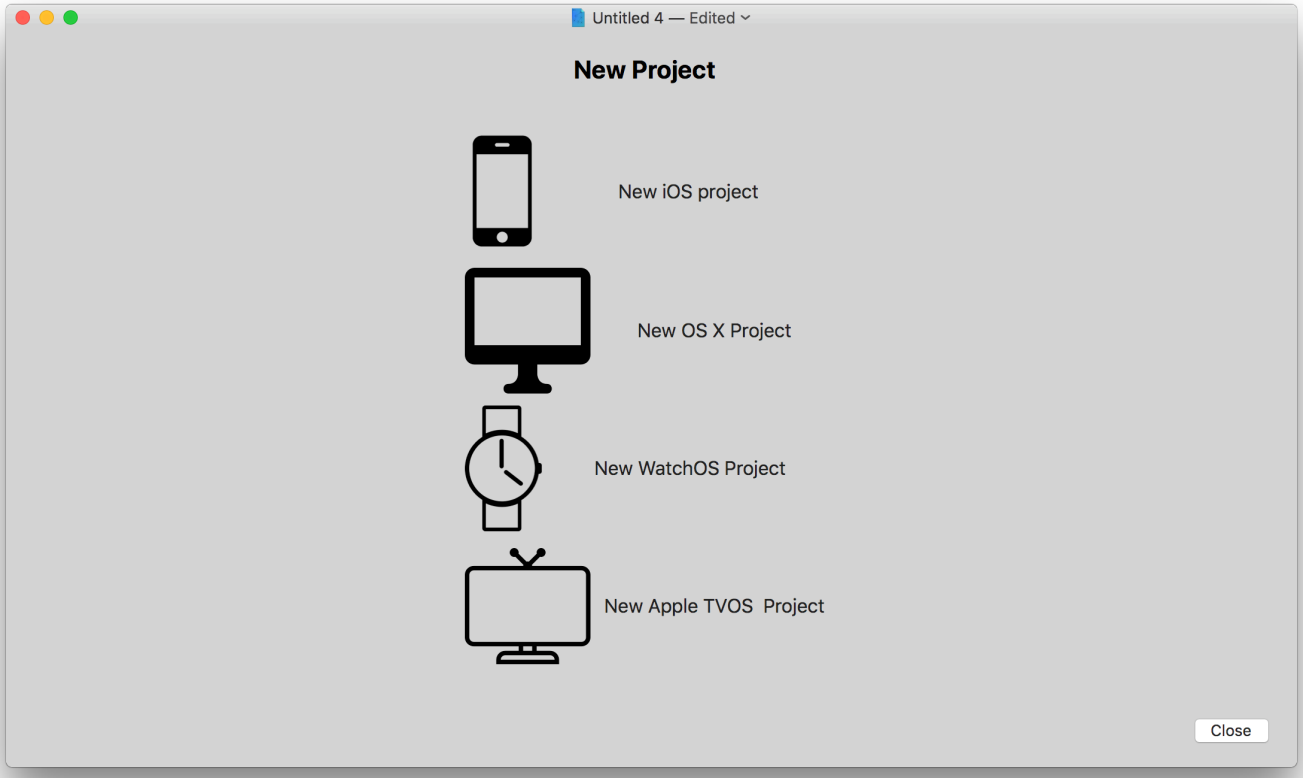
Devsketch

What is DevSketch

DevSketch is a tool for Swift and Objective-C developers. Its good for prototyping components and analysing existing code bases.

Getting started

Create a new document. You can choose from 4 preset sets of SDK's or just carry on by clicking the close button.



Setting up the workspace

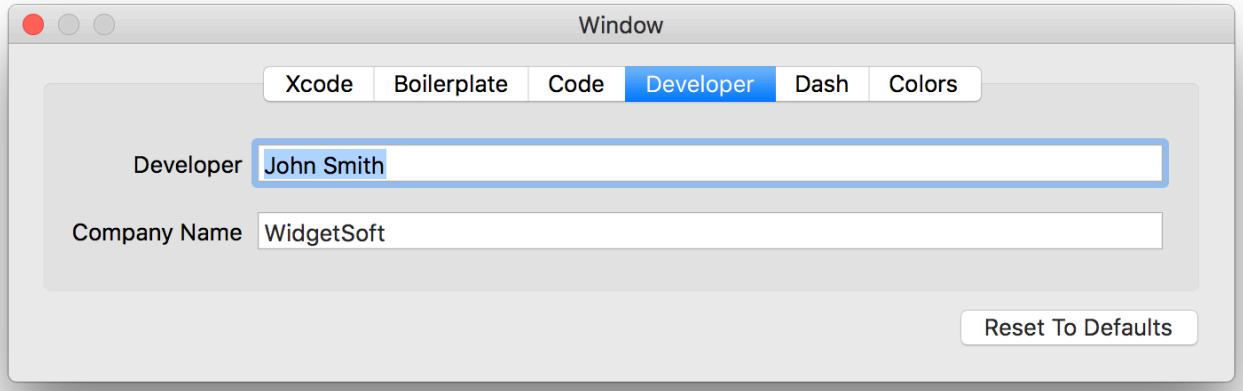
You can configure the workspace in a couple of places.

Application level preferences

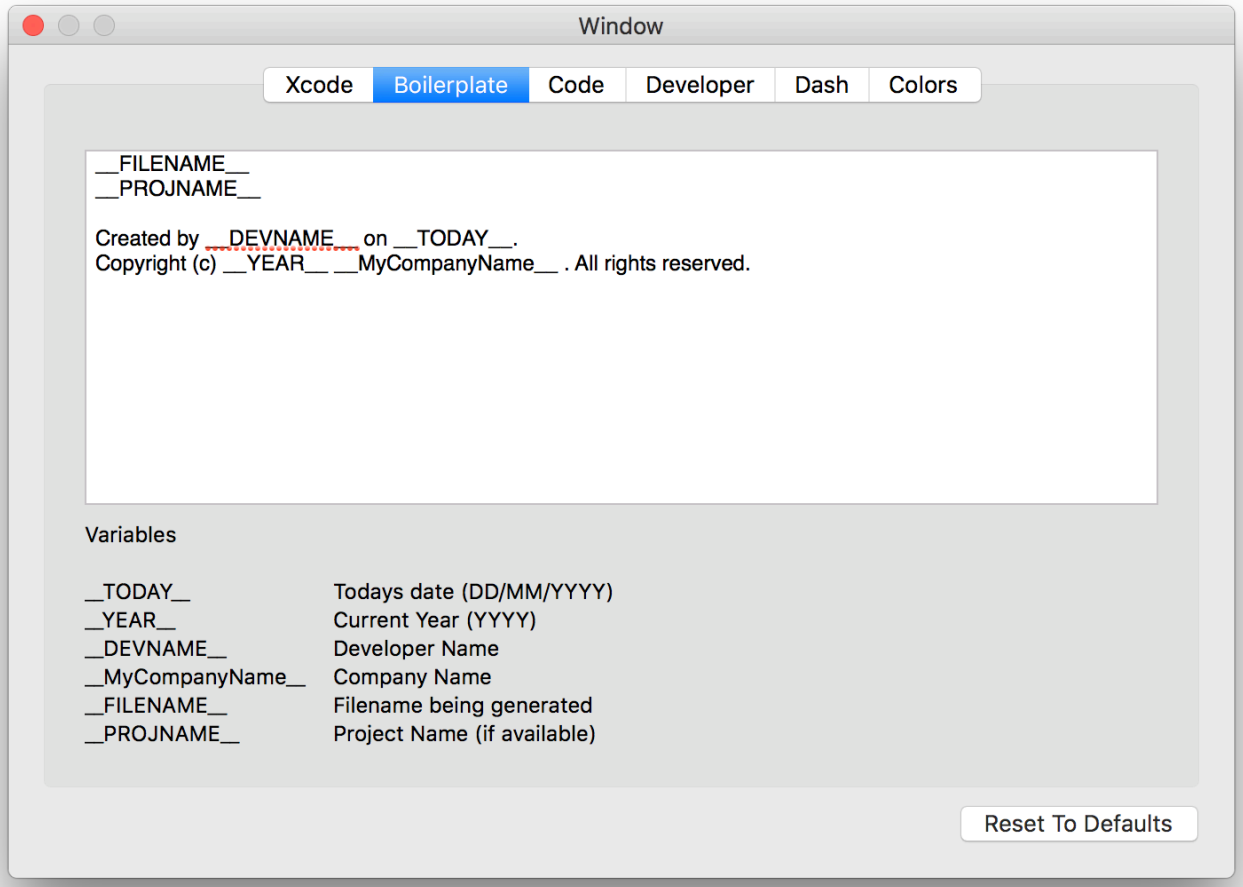
Select **DevSketch > Preferences…**

This window allows you to pick which Xcode you are using.

You can tell DevSketch who you are:

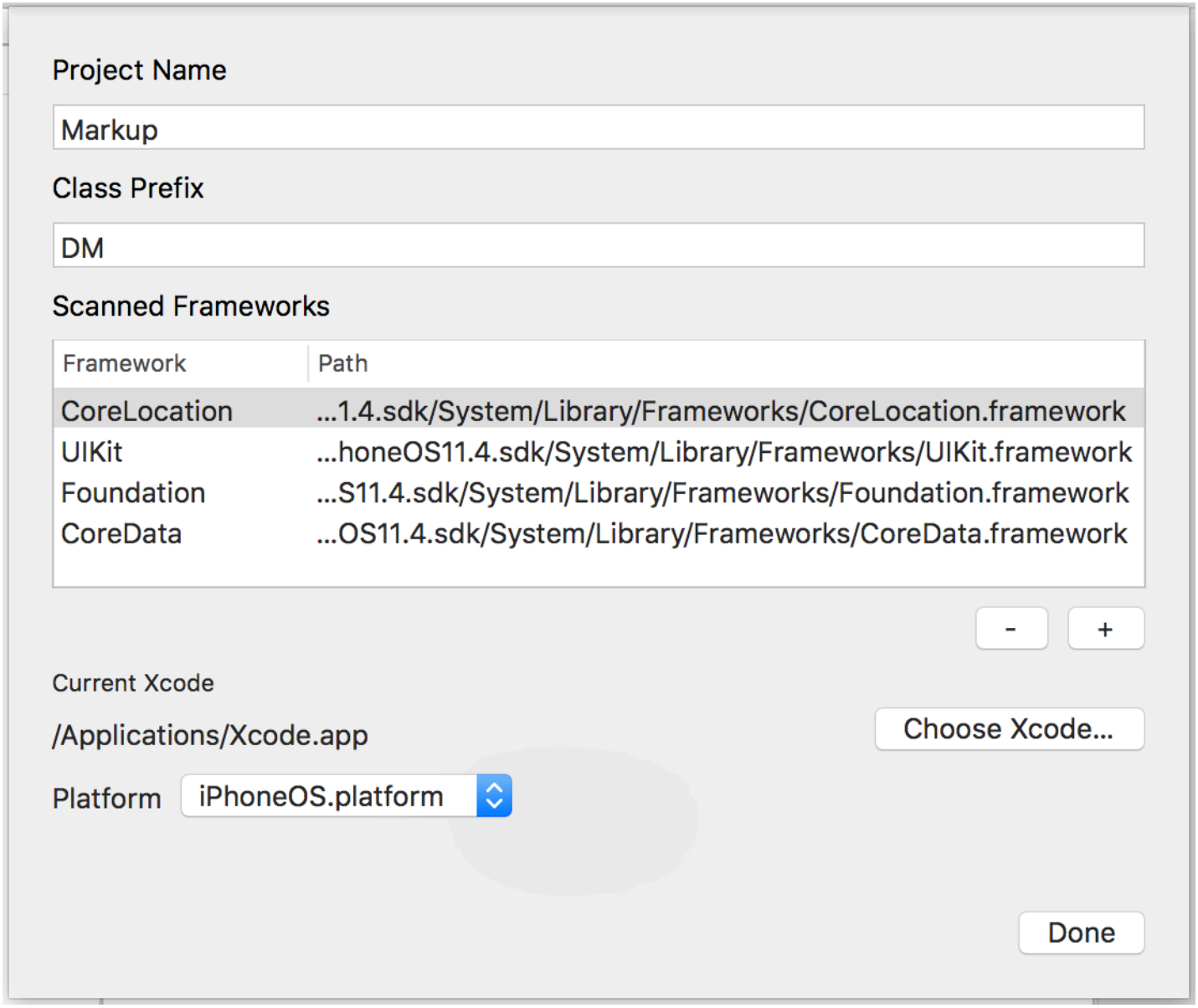


How you'd like your headers to be generated:



Document Level Preferences

Select **Document > Edit Document Settings…**



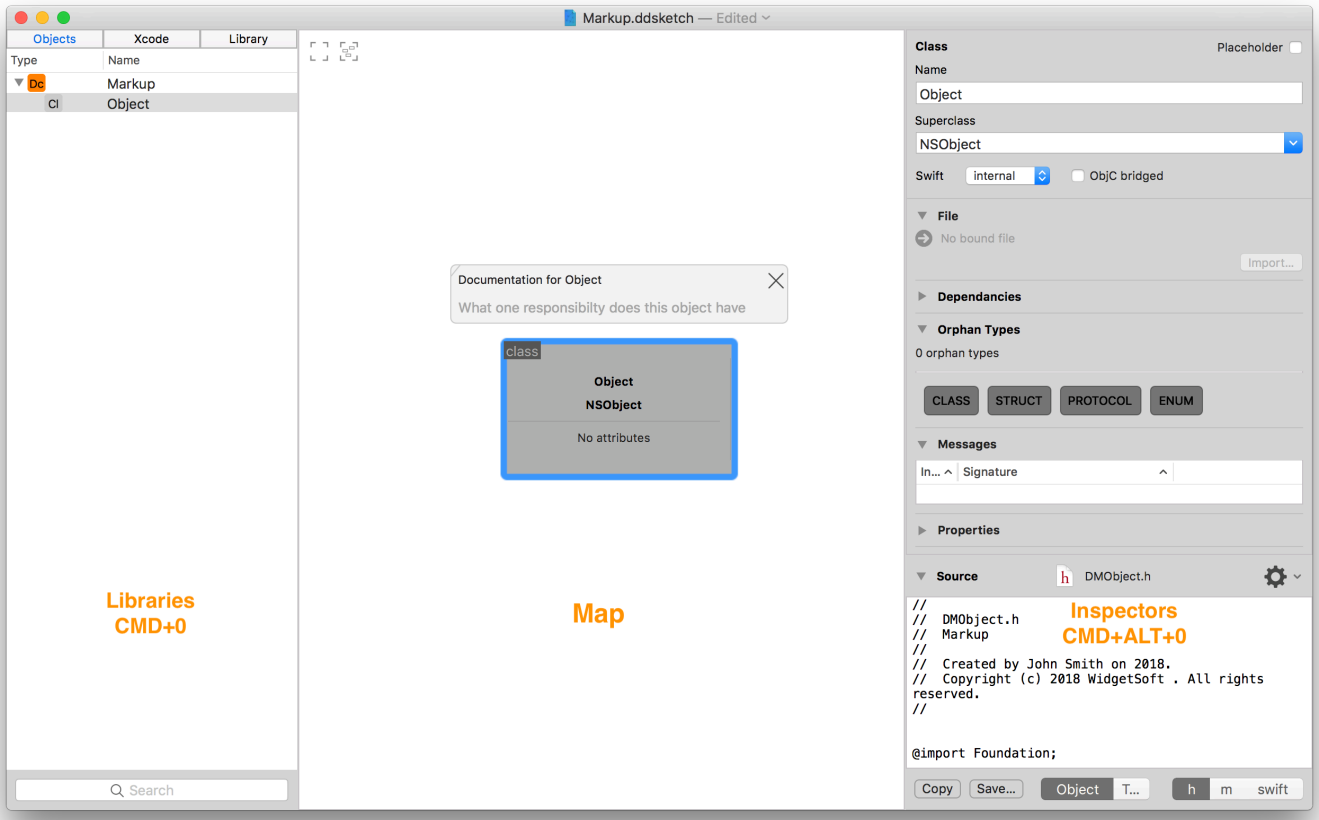
Here you can add or remove SDKs and give the project a name.

If you are generating Objective-C code you can add a prefix to all type names.

Working with the workspace.

Main window

The document window has 3 sections.



Libraries on the left.

This is where you find objects you have created or objects from the SDK's that your project contains.

Visual Map in the center.

This is visual map of your objects and its relationships to other objects. An object can exist in the library but not be visible on the map.

Inspectors on the right.

The inspectors tell you about the selected object (or objects).

You can collapse or expand the left and right sections by:

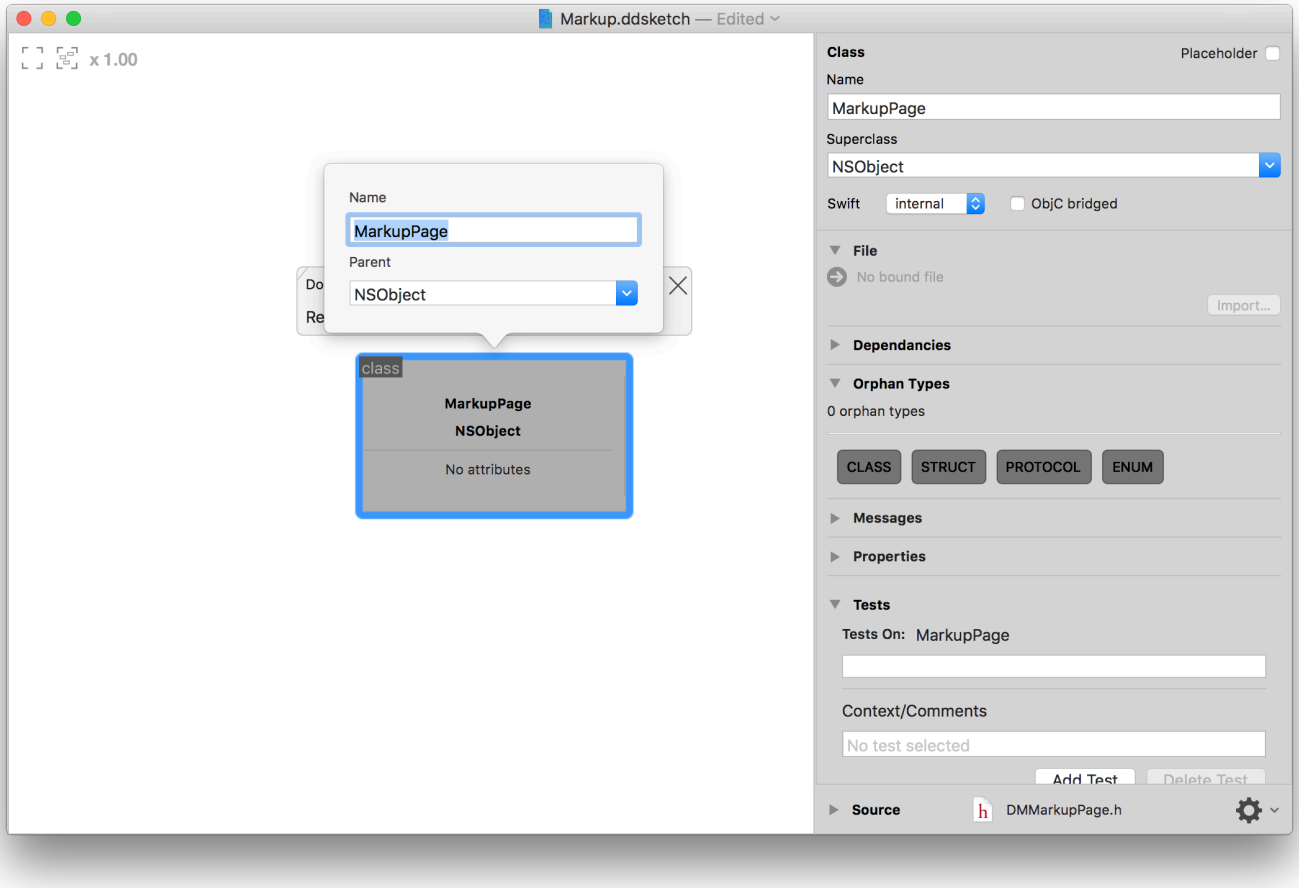
- dragging the vertical split.
- using the key shortcuts CMD+0 for the left, CMD+ALT+0 for the right.

Visual Map

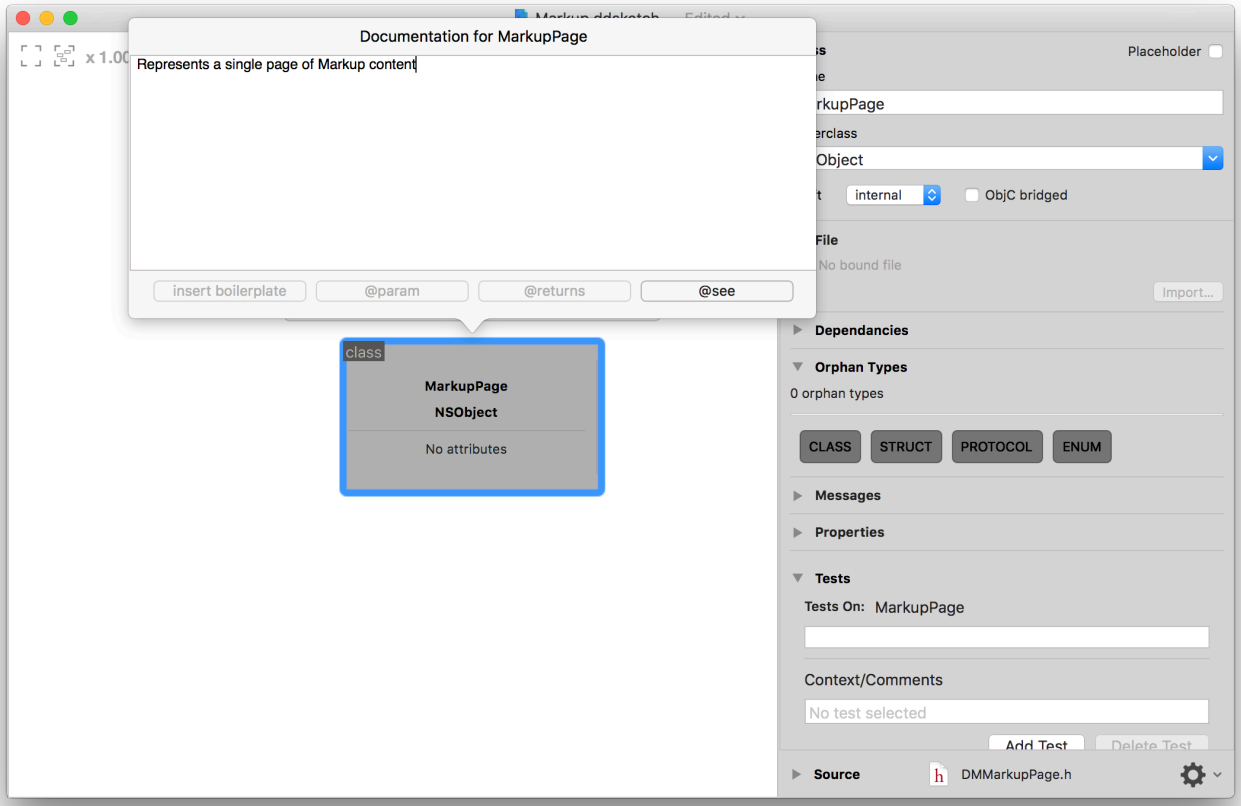
This contains a representation of the objects in your workspace.

A new document contains a stub class representation.

Editing



- Double click the object to edit the name and parent.



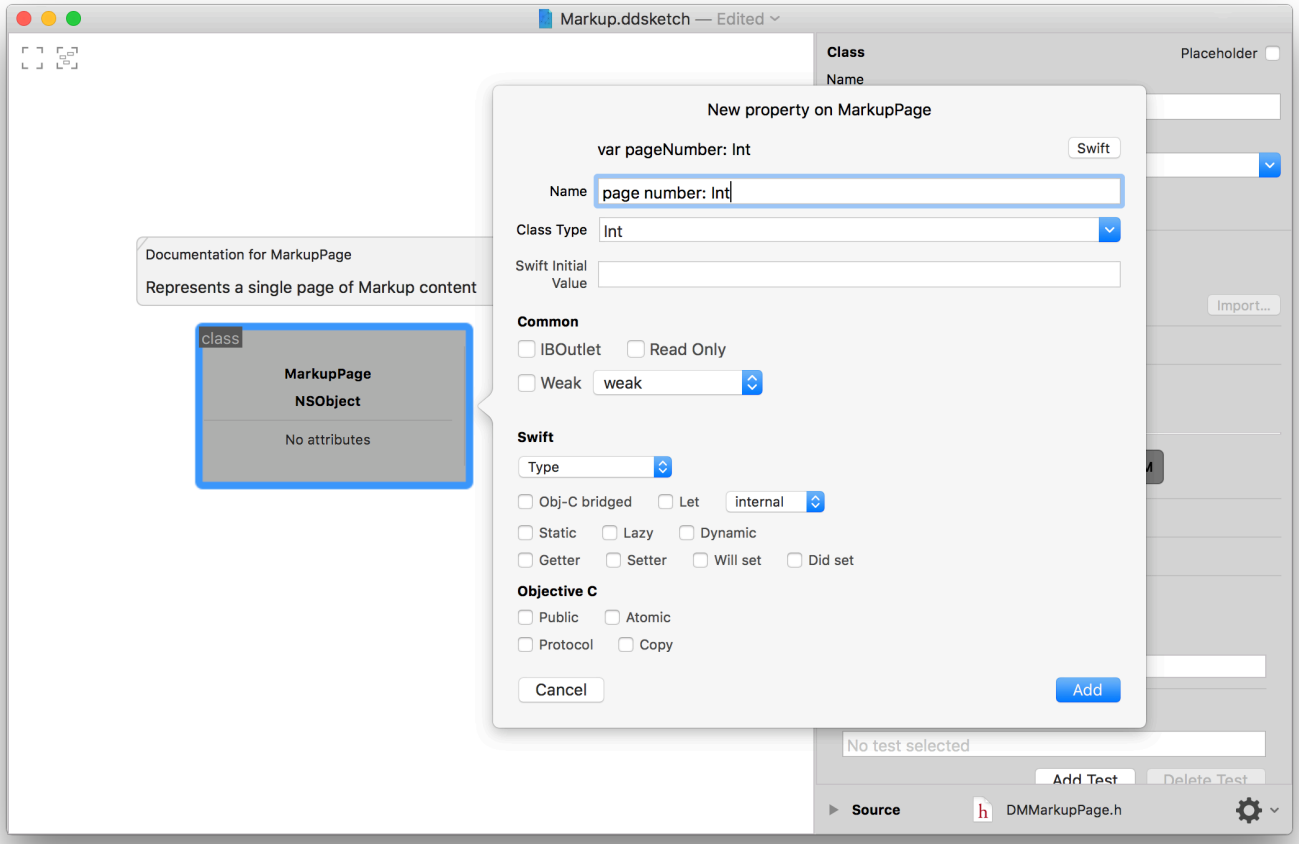
- Double click the documentation panel (ALT+Space) to edit the description.

Deleting

- Delete the object from the map with the Delete key. (**Edit > Delete from view**)The object will still be in the database.
- Delete the object from the database with ALT+Delete (ALT + **Edit > Delete from database**)

Adding a property

Select the object and press CMD+L (**Object > Add Property**)

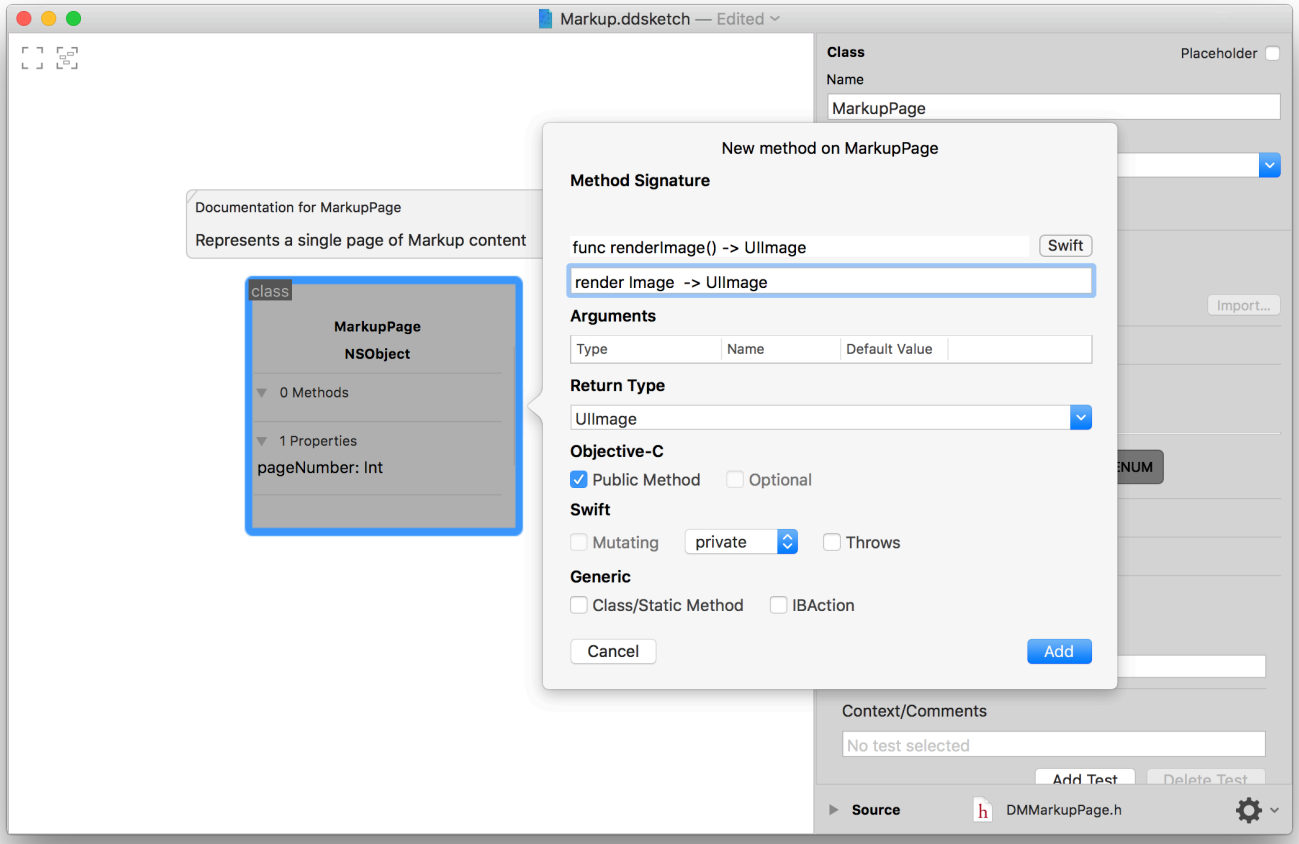


- You can enter the name in spaced language and that will be converted to Camel-Case e.g *“page number”* becomes *pageNumber*
- You can enter the type Swift-style with a colon *name:type* or just fill in the Type field.

Click **Add** to commit the addition.

Adding a method

Select the object and press CMD+M (**Object > Add Method**)



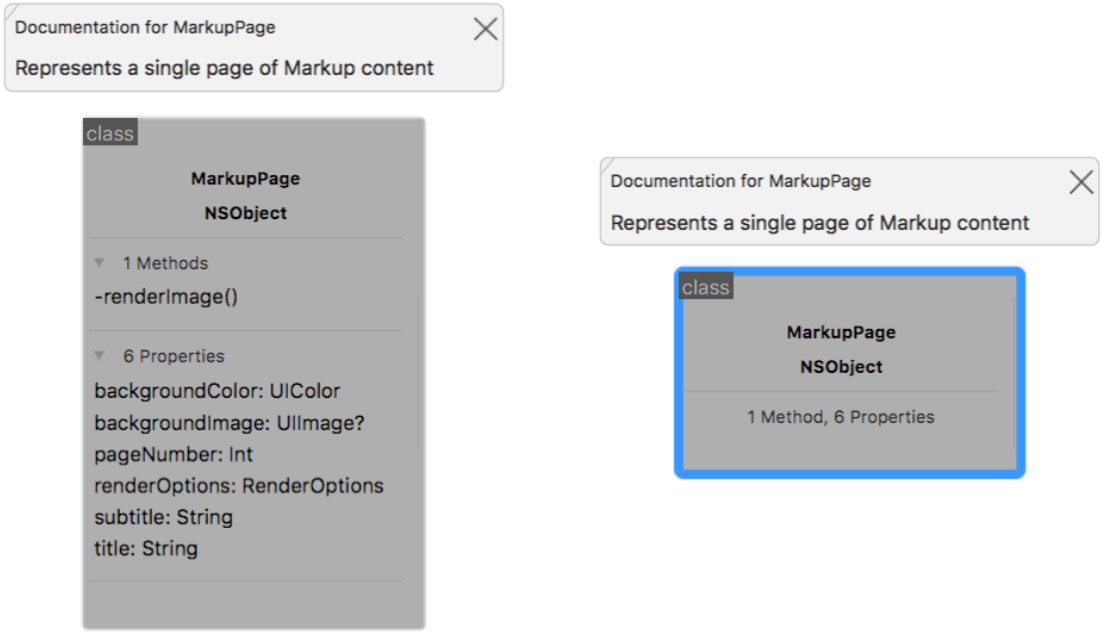
- You can enter the message in Swift like format. DevSketch will do its best to figure out what you want.
- Spaced signatures will get Camel-Cased.
- Use **(** to start arguments composition.
- Use **->** to start return type description.

e.g

- *do this(foo* becomes *func doThis(foo: Any)*
- *do that -> Thing* becomes *func doThat() -> Thing*
- *look at that(foo: Bar) Baz* becomes *lookAtThat(foo: Bar) -> Baz*
- *render image(completion:(UIImage)->()* becomes *renderImage(completion:(UIImage) -> ())*

Expand and collapse

The map representation of an object can be collapsed or expanded.



- Use CMD+[to collapse (**Object > Collapse Representation**)
- Use CMD+] to expand (**Object > Expand Representation**)

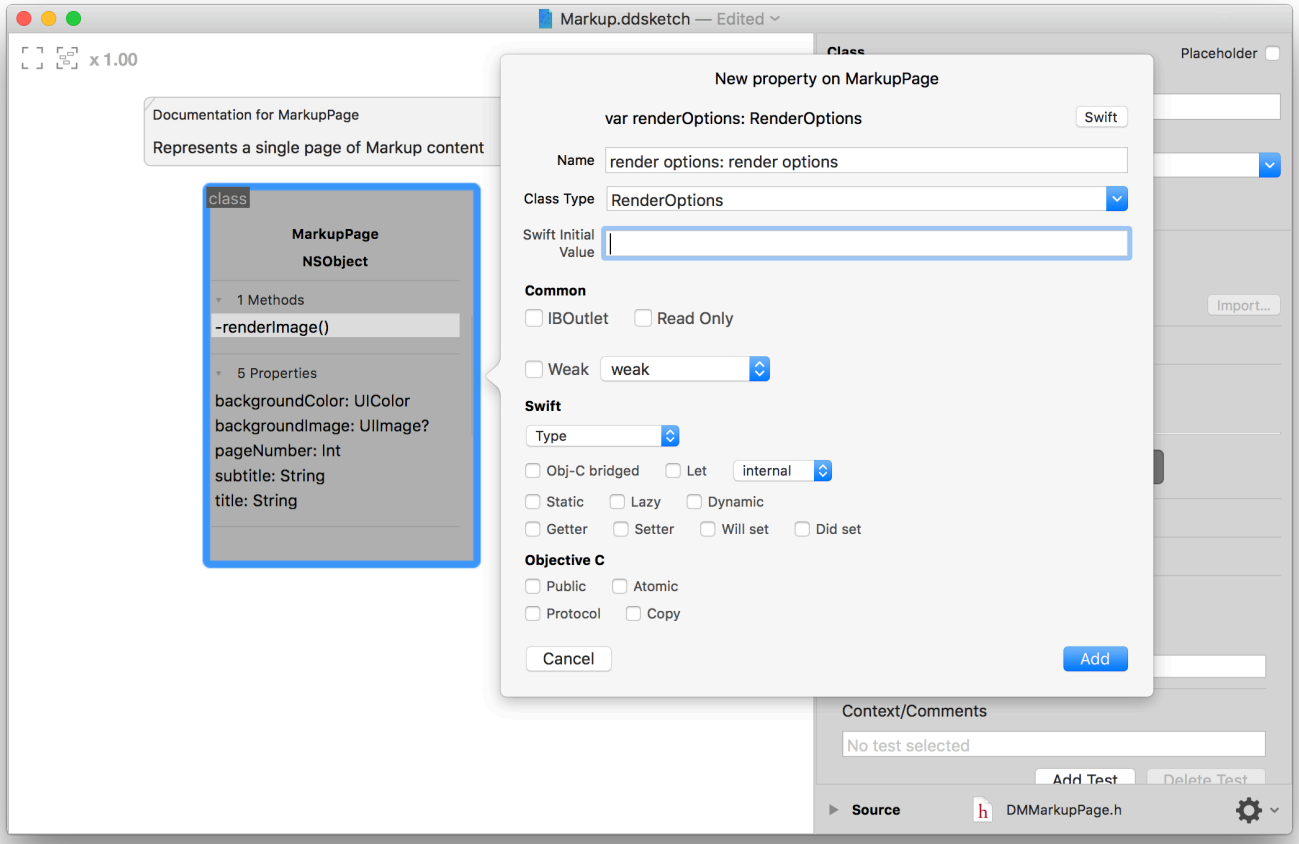
Expanded representations will hide the table at smaller magnifications.

Orphan Inspector: All about orphans

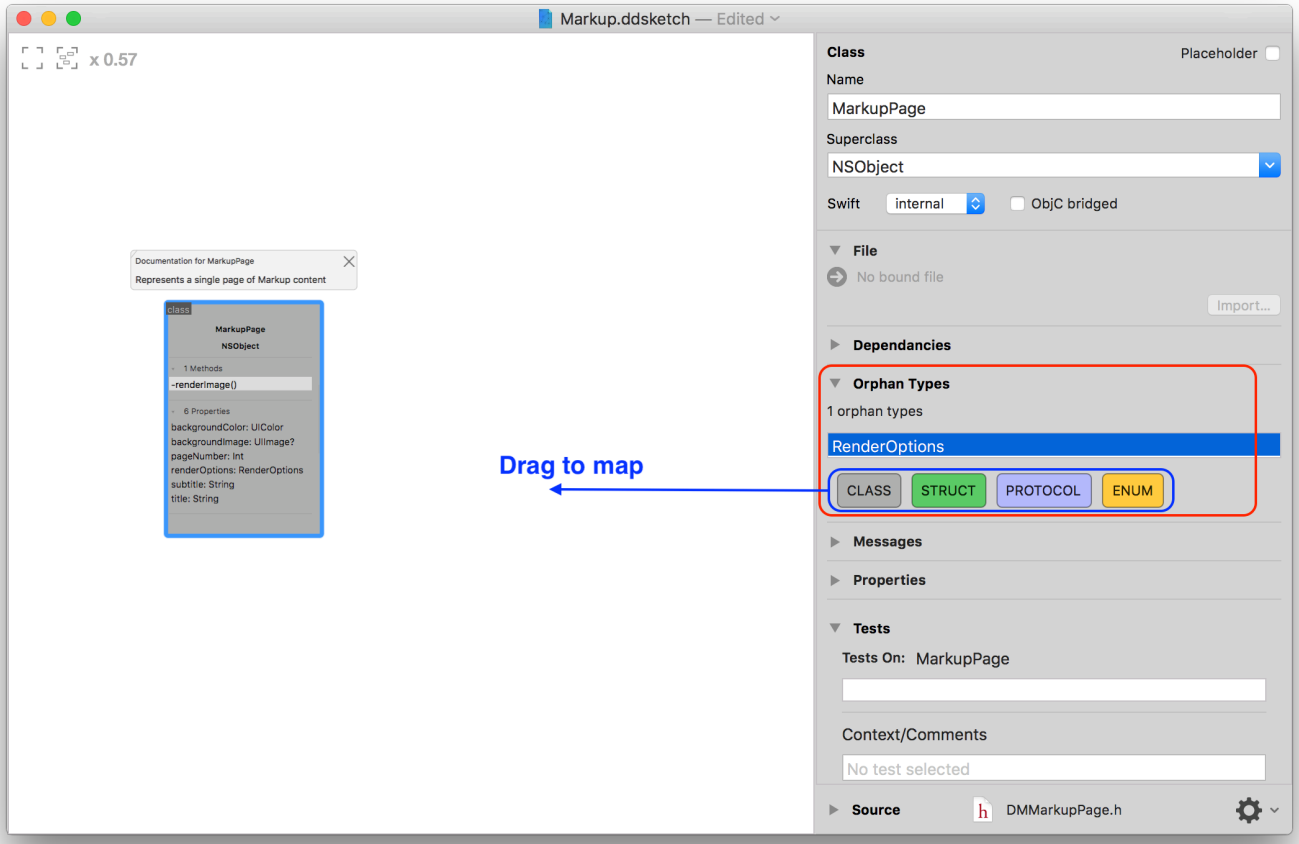
DevSketch will examine your object definition and look for types that don't exist in your database or the imported SDK's.

What this means is you can declare a type ahead of time:

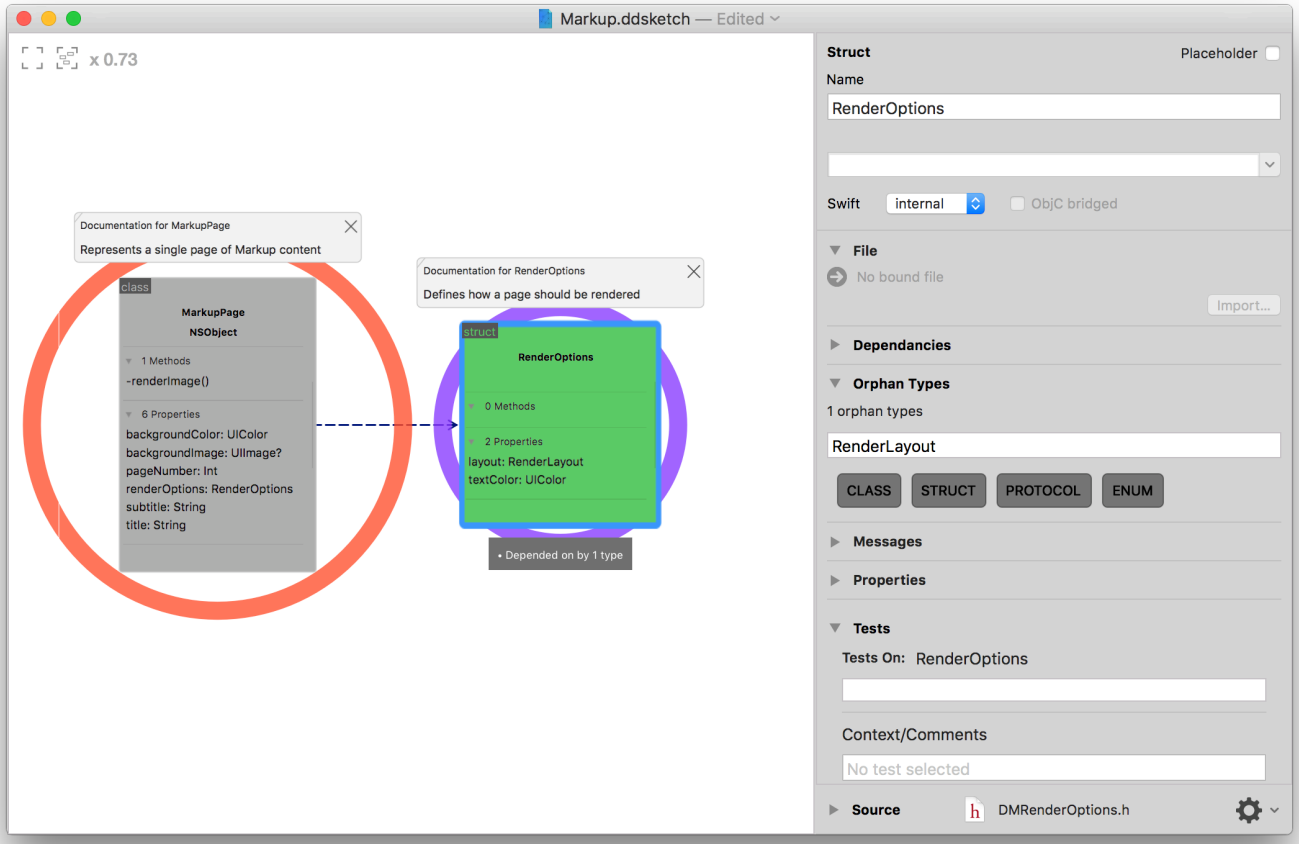
- Declare *RenderOptions* as a type.



- *RenderOptions* appears as an orphan type. Drag a object type to the map to create.



- Start defining what *RenderOptions* should do and what attributes it should have.

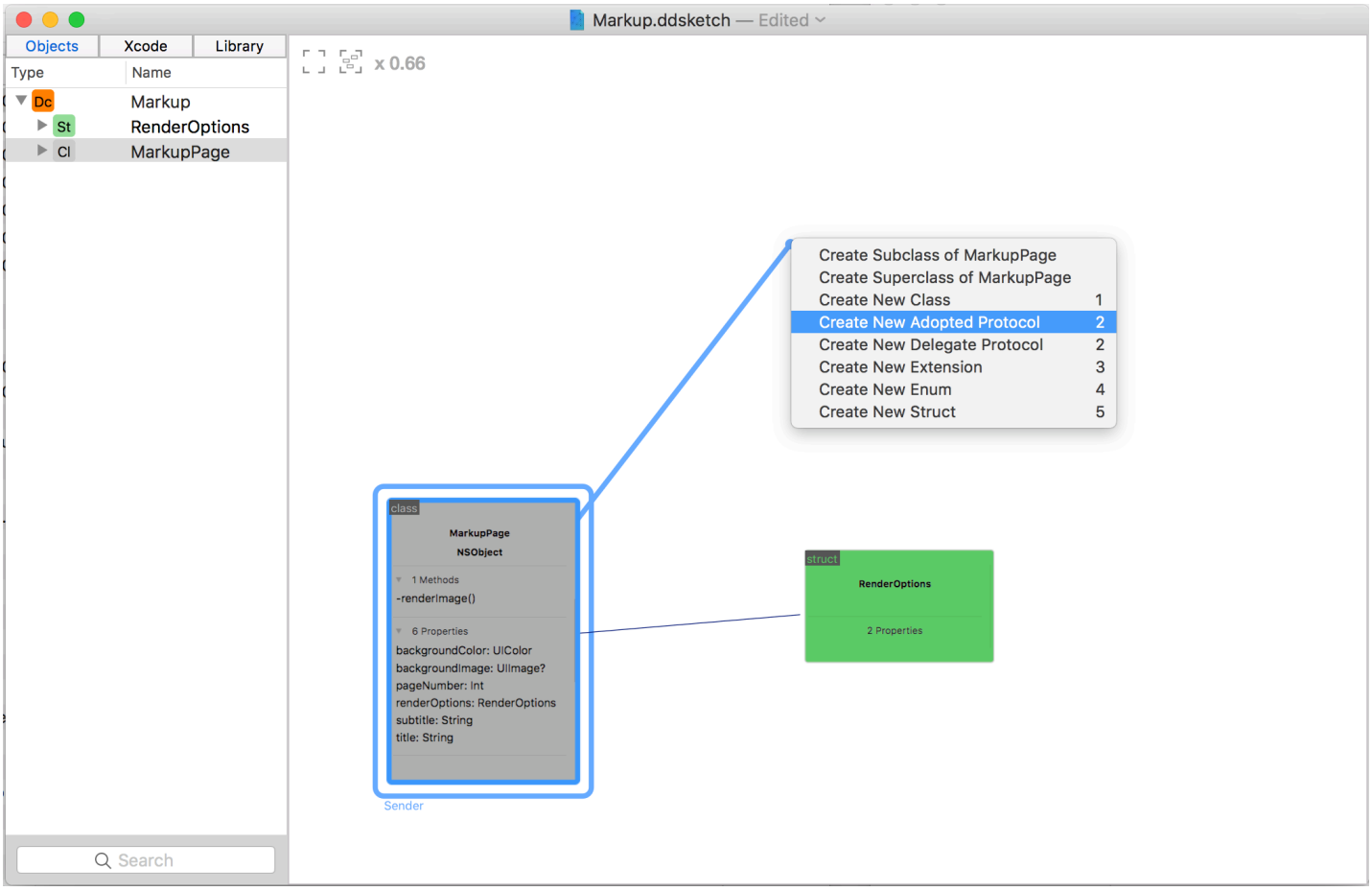


The **Orphan Inspector** allows you to be flexible in your design and naming. If you are not sure what an object should be named or if it should even exist you can delay creation till you are ready.

Refactoring

While you are working you will inevitably discover points where you want to change the design.

- Decide that a page should be represented by a protocol. You need refactor some of the attributes of **MarkupPage** out.



1. Hold down *ALT* and drag away from the origin object.
2. Release the mouse where you want to place your new object.
3. Select what object type you want to create from the menu.

- Create a protocol called **PageDescription**

1. Select the attributes you want to shift to the protocol.
2.