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Frameworks compiled from declarations: a language-independent approach

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Topics: Programming paradigm, Domain-specific language, Code reuse, Software framework and Compiler

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```
context ComposeDisplay as Pict {  
  when provided ProcessPicture  
  get MakeAd maybe publish }  
...
```

generates



Declarations



Generated



Developer's code

AbstractComposeDisplay

MakeAdProxy: inner class

```
#onProcessPictureProvided(Bitmap,  
  MakeAdProxy): Maybe<Bitmap>
```

```
+trigger(Bitmap)
```

extends

ComposeDisplay

```
#onProcessPictureProvided(Bitmap,  
  MakeAdProxy): Maybe<Bitmap>
```