IconBuild

This Automator workflow can be used to generate Xcode app required image files (icons). It starts with a selected 1024 x 1024 pixels PNG image source file and it generates automatically 15 different sized icon images.
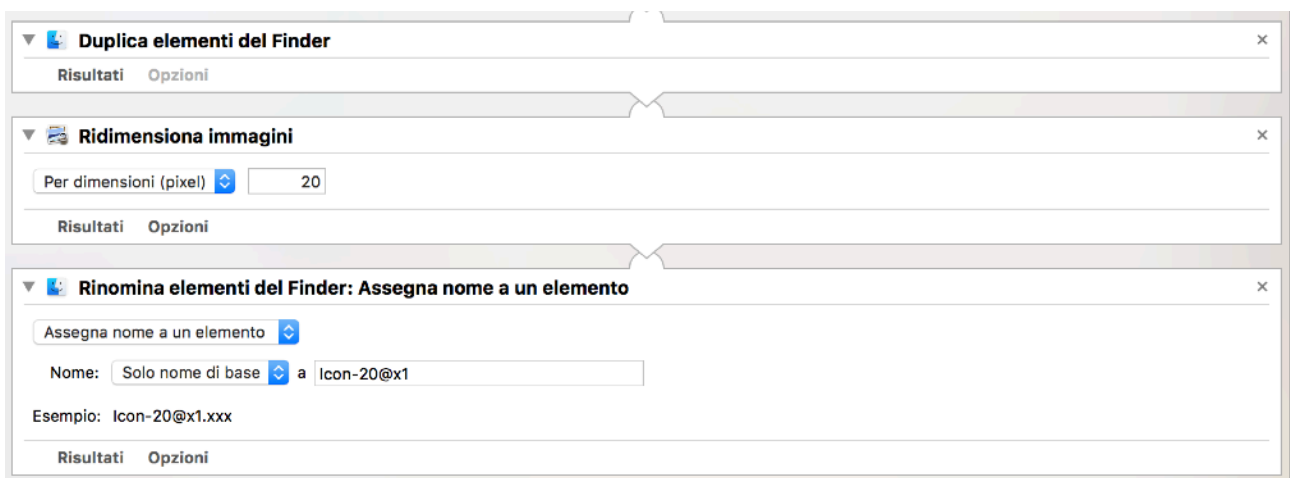
User instructions

- Open Finder application
- Select the starting image file (1024 x 1024 PNG image file)
- Open IconBuild workflow in Automator
- Press Run (⌘-R)
- Wait while the workflow creates all the new icon files, scaled down to individual size:

  - Icon-20@1x.png   020 × 020
  - Icon-20@2x.png   040 × 040
  - Icon-20@3x.png   060 × 060
  - Icon-29@1x.png   029 × 029
  - Icon-29@2x.png   058 × 058
  - Icon-29@3x.png   870 × 870
  - Icon-40@1x.png   040 × 040
  - Icon-40@2x.png   080 × 080
  - Icon-40@3x.png   120 × 120
  - Icon-60@2x.png   120 × 120
  - Icon-60@3x.png   180 × 180
  - Icon-76@1x.png   076 × 076
  - Icon-76@2x.png   152 × 152
  - Icon-83.5@2x.png   167 × 167
  - Icon-1024@1x.png   1024 × 1024

- Copy the files that you need to your Xcode project.
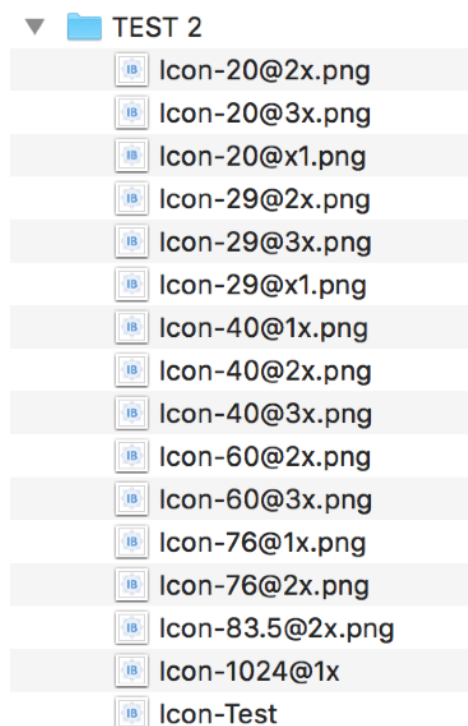
Workflow inner working

The workflow starts by obtaining the name of the selected original icon image file and saving it into a variable MasterImage.

▼ 🔲 **Ottieni elementi Finder selezionati**	×
Risultati Opzioni	

▼ 🖊 **Imposta valore di variabile**	×
Variabile: MasterImage ⬍	
Risultati Opzioni	

Then the flow goes through multiple steps of file Duplicate - Scale - Rename (using different "scale values" for the icons to be generated):

▼ 🔲 **Duplica elementi del Finder**	×
Risultati Opzioni	

▼ 🖼 **Ridimensiona immagini**	×
Per dimensioni (pixel) ⬍ 20	
Risultati Opzioni	

▼ 🔲 **Rinomina elementi del Finder: Assegna nome a un elemento**	×
Assegna nome a un elemento ⬍	
Nome: Solo nome di base ⬍ a Icon-20@x1	
Esempio: Icon-20@x1.xxx	
Risultati Opzioni	

At the end of the script you will find all the generated icon image files into the same folder.

▼ 📁 TEST 2
- Icon-20@2x.png
- Icon-20@3x.png
- Icon-20@x1.png
- Icon-29@2x.png
- Icon-29@3x.png
- Icon-29@x1.png
- Icon-40@1x.png
- Icon-40@2x.png
- Icon-40@3x.png
- Icon-60@2x.png
- Icon-60@3x.png
- Icon-76@1x.png
- Icon-76@2x.png
- Icon-83.5@2x.png
- Icon-1024@1x
- Icon-Test

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