Instructions for Editing INDIWebManagerApp Code on OS X using QT Creator.

1. Install INDIWebManagerApp using the KStars on OS X Craft build script. It doesn't matter which options you use as long as you don't install the "stable" build because that would put your edits out of date with the rest of the repository.
https://github.com/rlancaste/kstars-on-osx-craft

2. Open QT Creator. If that is not installed yet, please see the QT website:
https://www.qt.io/download-qt-installer



3. In Preferences, Select Kits:
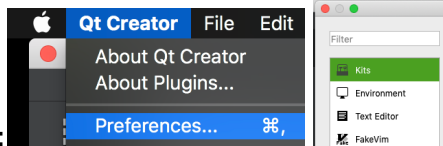
4. Add the Craft CMAKE executable to the list of CMAKE executables in the cmake tab.


5. To do this task, Click [Add] and then [Choose...] to find the path to CMake in Craft you will probably find it somewhere like this. Remember the name you give it since you will need it shortly in the next step:

Name: Craft CMake

Path: /Users/rlancaste/AstroRoot/craft-root/dev-utils/bin/cmake    [Choose...]

6. Add the craft Qt version to the list of QT Versions if it is not in there yet. Click QT Versions


7. If the version in craft is not added, yet, click add and choose the directory.

Version name: Qt (craft-root)

qmake location: /Users/rlancaste/AstroRoot/craft-root/bin/qmake    [Choose...]

8. Select Kits:
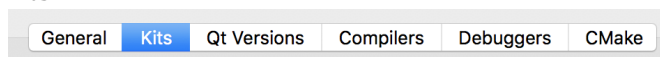

9. Click Add to configure a new Manual Kit. [Add]

10. Select the following Options:

Name: Craft Kit

File system name:

Device type: Desktop

Device: Local PC (default for Desktop)    [Manage...]

Sysroot:    [Choose...]

Compiler:
C: Clang (C, x86 64bit in /usr/bin)    [Manage...]
C++: Clang (C++, x86 64bit in /usr/bin)

Environment: No changes to apply.    [Change...]

Debugger: System LLDB at /usr/bin/lldb    [Manage...]

Qt version: Qt (craft-root)    [Manage...]

Qt mkspec:

Qbs Profile Settings:    [Change...]

CMake Tool: Craft CMake    [Manage...]
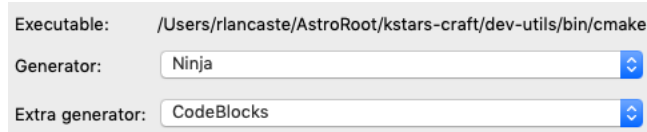
Note: The QT Version may differ depending on your QT installation and the Make tool you select should be the one you added in the step before.
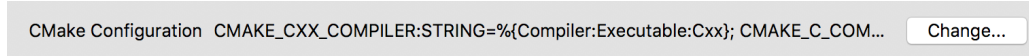
11. Now set up the CMake Generator by clicking the Change button.

CMake generator:  CodeBlocks - Ninja, Platform: <none>, Toolset: <none>        Change...
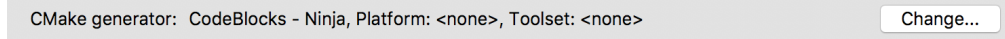
You will need to select the following options:

Executable:      /Users/rlancaste/AstroRoot/kstars-craft/dev-utils/bin/cmake

Generator:       Ninja

Extra generator:  CodeBlocks

12. Finally setup the CMake Configuration by clicking the Change Button:

CMake Configuration   CMAKE_CXX_COMPILER:STRING=%{Compiler:Executable:Cxx}; CMAKE_C_COM...        Change...

13. You will need to set the following options, add your craft root as shown:
    CMAKE_CXX_COMPILER:STRING=%{Compiler:Executable:Cxx}
    CMAKE_C_COMPILER:STRING=%{Compiler:Executable:C}
    CMAKE_INSTALL_PREFIX:STRING=~/AstroRoot/craft-root
    CMAKE_PREFIX_PATH:STRING=%{Qt:QT_INSTALL_PREFIX};~/AstroRoot/craft-root
    QT_QMAKE_EXECUTABLE:STRING=%{Qt:qmakeExecutable}

14. Finally click ok.    Cancel    OK
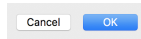
15. Note that you might also need to install ninja in Homebrew.  Just type brew install ninja on the command line.

16. Now, Click Open Project        📁  Open Project
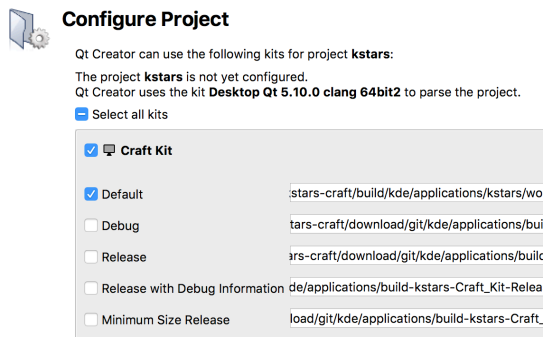
17. Navigate to and Select the INDIWebManagerApp CMakeList.txt.  Here is the path it will probably be at:
    ~/AstroRoot/craft-root/download/git/kde/applications/INDIWebManagerApp/CMakeLists.txt
    Note that you can use the craft shortcuts:  ~/AstroRoot/craft-shortcuts/indiwebmanagerapp-source

18. Configure the project by selecting your custom "Craft Kit" and deselecting the default one.  Also, you will need to deselect most of the build options and just use the default one.

    **Configure Project**

    Qt Creator can use the following kits for project **kstars**:
    The project **kstars** is not yet configured.
    Qt Creator uses the kit **Desktop Qt 5.10.0 clang 64bit2** to parse the project.
    ☑ Select all kits

    ☑ 🖥 **Craft Kit**

    ☑ Default                               :stars-craft/build/kde/applications/kstars/wo
    ☐ Debug                                 tars-craft/download/git/kde/applications/bui
    ☐ Release                               ars-craft/download/git/kde/applications/build
    ☐ Release with Debug Information        de/applications/build-kstars-Craft_Kit-Relea
    ☐ Minimum Size Release                  load/git/kde/applications/build-kstars-Craft_

19. Select    Choose...    next to the Default Kit to select the path to the build folder.
    On your system, the correct path is probably:

~/AstroRoot/craft-root/build/kde/applications/indiwebmanagerapp-mac/work/RelWithDebInfo-Latest
Note that you can also use the craft shortcuts: ~/AstroRoot/craft-shortcuts/indiwebmanagerapp-build

20. Click the Configure Button:



21. Now you might get a popup dialog that looks like the following:
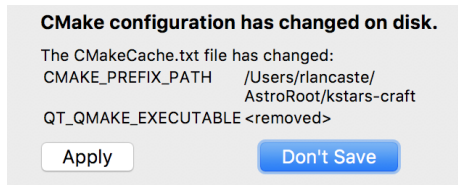


22. I clicked "Don't Save" to this Dialog, but I don't know.

23. Now you should see all of the files pop up on the left.  You can edit these to make your changes.  Whenever you want to test your changes, just click the "Run" button on the left.   KStars should be fully functional and editable on your Mac.  Happy Coding!!