



life.augmented

QT on STM32MP15x

Presenter name

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Overview

Qt is a cross-platform application framework that is used to develop graphical user interfaces (GUIs) and multiplatform applications.

meta-qt5 is a Yocto compatible meta layer that provides recipes for Qt modules.

The OpenSTLinux distribution is ready to link with this meta layer.

The OpenSTLinux distribution offers the possibility to use an example of an image based on the QT framework as a demonstrator, not for developing products.

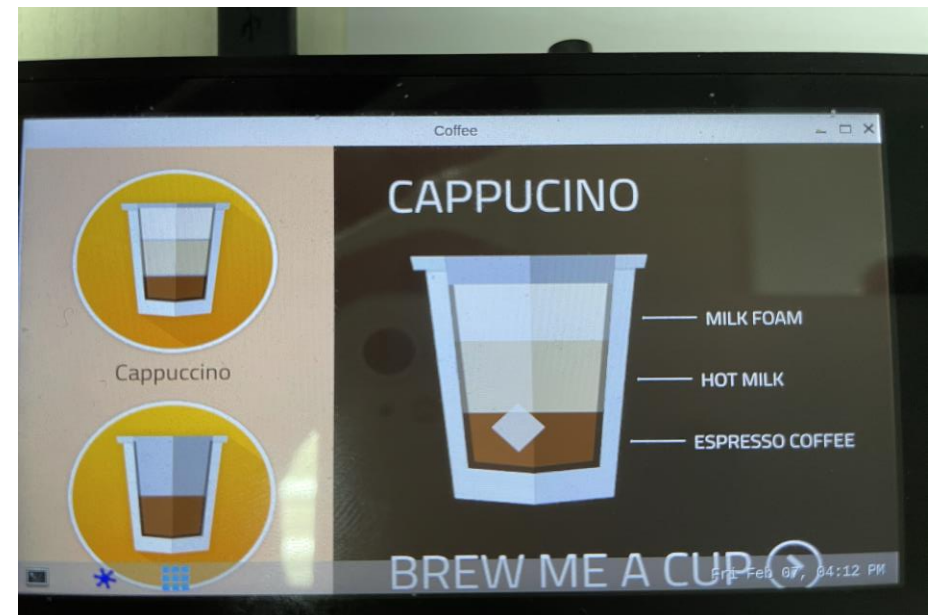


Exercise

In the folder “/work/qt/coffee-demo-800x480-master” there is a QT application.

You have to :

- Build the QT application (10 pts)
- Change your DK1 starter package to add the support of the DK2 display. (10 pts)
- Transfer the application on your board (5pts)
- Test the application and see the result (25pts):



In the distribution package there is an image that support well the QT framework :

`st-example-image-qtwayland`

To build a QT application you can used the command :

1. `qmake`
2. `make`

References



QT overview:

https://wiki.stmicroelectronics.cn/stm32mpu/wiki/QT_overviewProgrammer

QT on STM32MP1:

https://wiki.stmicroelectronics.cn/stm32mpu/wiki/QT_overview

QT home page :

<https://www.qt.io/>

Qt for Embedded Devices :

<https://www.qt.io/qt-for-device-creation/>

Qt for Application Development :

<https://www.qt.io/qt-for-application-development/>

Qt5 OpenEmbedded/Yocto Project layer :

<https://github.com/meta-qt5/meta-qt5/>

Thank you