```
/**
  @page Parking_Node Readme file


*******************************************************************************
********
  * @file    Parking_Node/readme.txt
  * @author  @Narasing Sarwade
  * @brief   This application is a parking demo based on LoRa Object connecting to
  *          a LoRa Network. Parking slot status(car present/not) is sent over
networkserver.

*******************************************************************************
********
  *
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  *
  ******************************************************************************


@parking Example Description

This directory "documentation_sw_parking_project_zip_disco_l072cz_lrwan1" contains
a set of source
files that implements a parking prjects of an end device The LoRa Object can be
   - either Parking module containing Lora Radio expansion board with sensor board.

   - or a B-L072Z-LRWAN1
By setting the LoRa Ids in mbed_app.json file according to the LoRa Network
requirements,
the end device will send periodically the sensor data to the LoRa network.
  ******************************************************************************



@parking Directory contents


  - Parking_module/config/SX127X_example_config.json
      SX1276 commissioning file
  - Parking_module/mbed-lora-radio-drv/sx1276/mbed_lib.json                  SX1276
SPI Interface functionality
  - Parking_module/mbed-lora-radio-drv/sx1276/sx1276_loraradio.cpp          Lorawan
stack layer definations
  - Parking_module/mbed-lora-radio-drv/sx1276/sx1276_loraradio.h            Lorawan
stack layer calls
  - Parking_module/CONTRIBUTING.md
      Contributing to Mbed OS
  - Parking_module/DummySensor.h
      Dummy sensor
  - Parking_module/lora_radio_helper.h
      Header for lora radio
```

```
  - Parking_module/main.cpp
      Main program file
  - Parking_module/mbed_app.json
      End device commissioning parameeters
  - Parking_module/mbedtls_lora_config.h
      Security encryption lora stack
  - Parking_module/QMC5883L.cpp
      QMC5883L function defination
  - Parking_module/QMC5883.h
            QMC5883L function calls
  - Parking_module/trace_helper.cpp
            see traces from within the stack
  - Parking_module/trace_helper.h
      Helper function for the application to setup Mbed trace


@parking Hardware and Software environment


  - This application has been tested with STMicroelectronics:

    -Parking module
    -B-L072Z-LRWAN1 RevC
    boards and can be easily tailored to any other supported device
    and development board.

  - Parking module
    - 1. Connect the battery to J3 connector to Parking module and press &release
threshold button after 1 min
            OR
      - 2. CONNECT 3.3V TO parking module

  - BL072Z-LRWAN1 DEV board
    - Connect the dev board to your PC with a USB cable type A to mini-B
    - Please ensure that the ST-LINK connector CN2 (CN8 on B-L072Z-LRWAN1) jumpers
are fitted.

  -Set Up:


             --------------------------  V    V  --------------------------
             |      LoRa Object       |  |    |  |      LoRa Netork       |
             |                        |  |    |  |                        |
   ComPort<--|                        |--|    |--|                        |-->Web
Server
             |                        |          |                        |
             --------------------------          --------------------------

@parking How to use it ?
In order to make the program work, you must do the following :
  - Open your preferred toolchain(mbed OS)
  - Rebuild all files and load your image into target memory
  - Run the example
  - Open two Terminals, each connected the respective LoRa Object
  - Terminal Config = 115200, 8b, 1 stop Bit, no parity, no flow control

 *
 */
```