Software Requirements for XM-Pro PLC

Milestone – 4

v1.0

Features:

1. Project Structure implementation

Contents

Software Level 4 Requirement: (Project structure implementation)..... 3

Architecture: 3

Proccess: 3

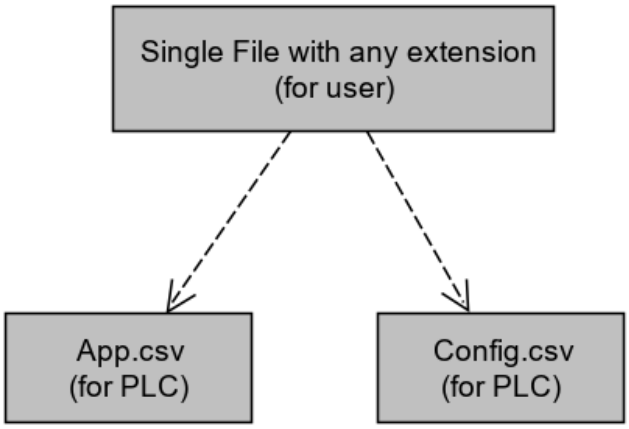
UI Requirement:..... 3

Backend logic requirement:..... 4

Software Level 4 Requirement: (Project structure implementation)

Objective is to make the Project structure in existing v1.o software in which both the application program and configuration settings will open using single file only.

Architecture:



Proccess:

UI Requirement:

One tab of “Project” should be added in Menubar. In Project menu there are following sub menus.

1. Project
    1.1. New Project
    1.2. Open Project
    1.3. Save Project
    1.4. SaveAs Project
    1.5. Exit

(Existing Menu of “Application File” & “Configuration File” should be removed)

Backend logic requirement:

A. Case 1:

1. When user launch the software and clicks on the File ----New Project
2. One popup should come which will ask for user to save the project path & project name
3. On that path one folder should create of user name ,inside that folder there will be 3 files 1. ProjectName.xmpro 2. ProjectNameApp.csv 3. ProjectNameConfig.csv (only for user)

B. Case 2:

1. When user launch the software and clicks on File---- Open Project
2. One popup should come in which user will able to select only .xmpro extension file from any path.
3. After opening that file all existing saved application & Configuration should open.

C. Case 3:

1. When user directly opens the existing saved .xmpro file that project should open on XMpro software.

D. When user clicks on SaveAs project should ask for path & project name, On that path one folder should create of user name ,inside that folder there will be 3 files 1. ProjectName.xmpro 2. ProjectNameApp.csv 3. ProjectNameConfig.csv (only for user)

E. When user clicks on Save lastest changes should be saved.

Note:

1. Reneme “PLC” menu to “Status/Simulation”
2. Keep Menu bar sequence as follows: Project,Download/Upload,Status/Simulation,Help
3. For PLC utility should send App.csv & Config.csv only
4. When user click on “Download--- Application” then **App.csv will** go to PLC via TFTP
5. Whwn user clicks on “Download--- Configuration” the **Config.csv** will go to PLC via TFTP
6. When user click on “Upload ---Application” then **App.csv** will come from PLC via TFTP
7. Whwn user clicks on “Upload ---Configuration” the **Config.csv** will from PLC via TFTP