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cONTINENTAL

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Stage ConTINENTAL

ACASYA: Automatic Control and Analysis System Application

# Part 1 Code comprehension

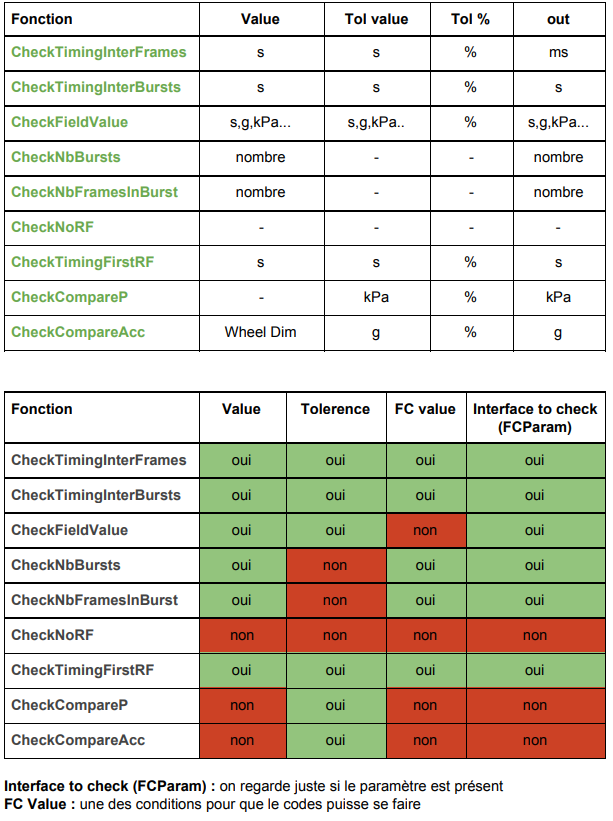
## COMPREHENSION

|  |  |  |  |
| --- | --- | --- | --- |
| What ? | Where ? (file) | How ? | state |
| Attribute function | Userint.h | Functions definitions with arguments | Understood |
| attribute | everywhere | Possible state or value of each command (button, list…etc.) | Understood |
| Config Anum file | Extern file | Configure the Anum with a script | Understood |
| Log creation | GstFiles.c(.h), ResultTextFil.h?? | ?? | In process of comprehension |
| Re-analyse | Mode.c & Mode.uir | Function, button, reuse | Understood but can be study more |
| Parameters | Script definition panel, 1944 Modes.c, Modes.C 237,  350 Modes.h  18128 Modes.c!!!  \*  21828 Modes.c !!!!!!!!!! | Idea : collect in a variable time for example as a string ? | Understood but can be study more |
| Execution script | Execution window | Start the sequence of tests | Understood |
| Message error when use the keyboard | Modes.c | Event\_keyboard or something like that in userint.h | Understood |
| File.uir -> generate .h | User Interface Files | Use graphic interface to create button...etc. | Understood |
| Pre-condition, script, post condition choice | Script definition interface | Precondition: what we want before the test  Script: the different tests we will do  Post condition: return to a basic config to be able to another test | Understood |
| Check function working | Modes.c | Fonctions | Understood |
| Progression bar | Execution window and modes.c | End Modes.c file | Understood |
| DLL | ResultTextFile | It is a lib with function We can use. Definition of these functions are in ResultTextFile.h | Understood |
| TextBox analyse mode | Modes.c & IhmModes.uir | Function which open the file and copy line by line | Understood |
| ShowCurrentScript | L7482 Modes.c | Use excel function to collect the different data | Understood |
| Time scripts | Modes.c | 7337 Modes.c | Understood |
| QUIT button in main menu | Mode.c, IhmModes.uir  IhmModes.h | Create a new button with a callback function that will be hide and use this button for the red button quit. ADD the switch event because this button probably always listens for events contrary to the back button which launches the callback function | Corrected and understood |
| Config files | Folders |  | In process of comprehension |
| LF data name | Script definition |  | In process of comprehension |
| Seq script | Modes.c 21957  22057 also  5291 | First part goal is to create a log file for this comparison  Then, we the files where seq are saved and we compare them | Understood but can be study more |
| Modes.c function AffResult2 not finished and graph | Modes.c 15641 and IhmModes.uir PANELGRAPH |  |  |
| Modes.c & IhmModes.uir right\_click |  | GST\_SCRIPT edit |  |
| 9 ?? Modes.c2845 , table script function callback |  |  |  |

## FOCUS

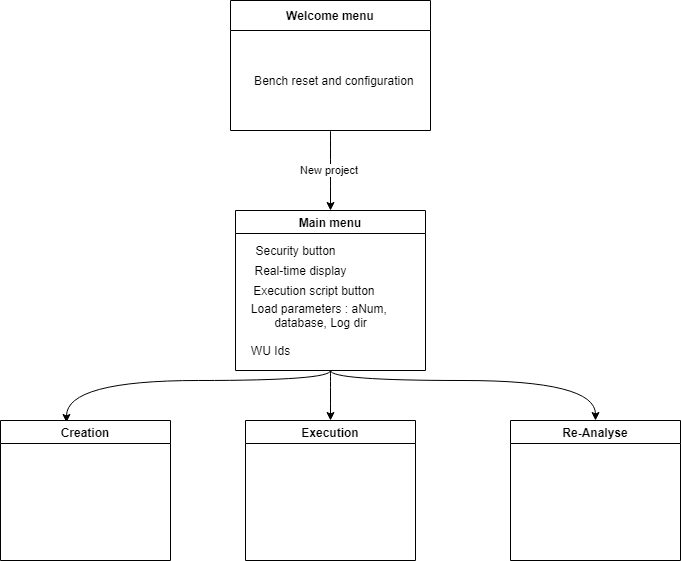
How it works:

|  |  |
| --- | --- |
| Current Test script window | |
| Script Sequence | Current Test Script |
| Progression and info of the test | Progression, info of the current running script |
| Function ideas | Function ideas |
|  |  |



## PROBLEM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | Type | Description | Possible solution | State |
| 001 | bug | Nothing happens when clicking on the quit button in the main menu | Add callback function by adding a hidden button | FIXED |
| 002 | Ergo | Add a popup when you click on the red quit button | Find an example of popup function and integrate it | FIXED |
| 003 | Ergo | Expected results: Value field red could be better | Dimmed the cross | FIXED |
| 004 | Ergo | Insert steps function | Use load sequence in combination with move up and down to create the function I want. |  |



# Everyday stage Description

|  |  |  |
| --- | --- | --- |
| **Date** | **Fait** | **A faire** |
| Semaine 1 | | |
| 1 juin | 1. Découverte des locaux, équipes. 2. Découverte du capteur WU, explications fonctionnement par Lilian ( LES, LF, RF, modes, BLE,PV,PG) 3. Découverte Banc |  |
| 2 juin | 1. Explication plus précise des modes moteurs, bursts, frames, signaux (MLF1…ect). 2. Explication du fonctionnement des logiciels Test BENCH LSE et ANumLFRF et observations de tests avec Lilian 3. Travail de compréhension en schématisant le fonctionnement des différents modes de l’ATIC172 sur le même modèle que l’ATIC149 |  |
| 3 juin | 1. Observation de tests avec Lilian et explications 2. Suite du schéma de fonctionnement de l’ATIC172 pour comprendre le fonctionnement du banc et des commandes 3. Première aperçu rapide du code du logiciel d’automatisation ACASYA |  |
| 4 juin | 1. Début de comprehension globale du logiciel, sans comprendre clairement le fonctionnement du code. Digram UML et prise de notes 2. Tests avec Lilian, découverte de bugs et validation de certains tests (passed, failed) |  |
| Week 2 | | |
| 7 juin | 1. Reprise de la comprehension du code avec les documents de Maxime et avec prise de notes. 2. Tests avec lilian |  |
| 8 juin | 1. Compréhension progress bar, times, mode analyse, function affichage txt dans analyse, selectin des fichiers dans analyse. 2. Tests avec Lilian |  |
| 9 juin | 1. Correction croix rouge quitter 2. Mise en évidence de certains problèmes (ergonomie ou bug) 3. Compréhension système de paramètres |  |
| 10 juin | 1. Lecture usermanual, expected result part 2. Test with lilian 3. Comprehension fonctions |  |

Vocab :

MP : Mode Parking

MD : Mode Driving

MFB : Mode First Block

MI : Mode Interim

WU : Wheel Unit

ACASYA: Automatic Control and Analysis System Application

TTM : Truck Tool Management (Not sure)

BLE: Bluetooth Low Energy\*

PID : process idea