**Welcome**

MRA Tax payer registration Application

The following is a step by step guide on how one may approach the development of such an App.

Date 26th November 2021

By Kajani Kaunda

STEPS

1. Consider the language that one feels is best suited to the task and one that is most comfortable. Although getting out of one’s comfort zone may sometimes be the better choice.
2. Consider the hardware. Network, Memory, hard disk space, CP speed. The more or faster the better. It speeds up development.
3. Consider the software development Environment. Which IDE is best? Which IDE works best with the language chosen? In my case I consider JAVA for language and Jdeveloper for IDE. But eventually settled on Visual Studio 2010 and C#, forced in part because of a miss-hap where my latest version of Visual Studio got locked!
4. Get a pen and paper. Work out the process flow and start designing the User Interface.
5. Make sure that you examine the data samples. It helps it the UI design.
6. Use tools but make sure you adhere to the development requirements. I used POSTMAN a lot to test things.
7. Make sure all functions work. Once that is done, just put them together. Use them as building blocks.
8. Learn! Learn! Learn! and Learn! fast! Google is your friend for reference. Remember your ethics. Your work must be your work. Be original!
9. Let’s get started. I started with listing the functions and requirements and made sure that I can do them with the tools chosen. The language that is. The code gets messy but once things are reasonable clean up and put things together.
10. Always have a backup for safety and version control. If you have good access to Github, Github is a good choice.

SOME APP PROCEDURES AND BEHAVIOURS

1. Disable menu buttons if not logged on. Enable them once logged on. This forces the user to login.