SCM

Section 2 (Software Configuration Identification) Intro:

This section will cover the configurations of which the software; Prevent, Mitigate, and Recover (PMR) Insight Collective Knowledge System (PICK) will contain. Thus, the section will cover the documentation of the items that have been identified for the configuration of this software. As well as contain in detail the version and configurations that the system will undertake in order to run. Once the configurations have been documented they will also entail the versions of releases/builds for the software that follow a standardized hierarchical structure. All of which are subject to change per version/releases/builds by the mandate of the guidance team members and/or customers listed on the Software Requirements Specification version 7 (SRS v7) document.

Section 2.2 (Software Configuration Item Organization):

Version Builds/Releases:

The versions of builds/releases of the PICK software will follow a standard with the only exception of the first demo to the clients. Each of the versions will be traceable through the pushes made to the master branch of the Github repository named ‘CS4311-spring-2020/pick-tool-team10-team-work’ will be tracked by the guidance team members listed on the SRS document.

Version Control Access:

Each of the releases known as versions of the PICK software will contain a branch labeled ‘VersionX’, X being the number representing the appropriate release, in the Github repository afore mentioned. The branch will only contain any functionality/service leading up to the release of the version number. Each of the versions will also contain a ‘README.md’ containing the features of the software version. All of which pertain only to the Linux platform.

Version 1.0:

The first version of the software will release as version 1 (v1.0) which will contain the graphical user interface and the base functionality of the software which meets the specifications of the SRS v7 document. I.e. P1 listed on the ‘Project Overview’ document on piazza.

Version 2.0:

The second version of the software will release as version 2 (v2.0) which will contain improved GUI functionality of the software which meet the specifications of the SRS document of which the version will be relative to the appropriate date of release. I.e. P2 listed on the ‘Project Overview’ document on piazza.

Version 3.0:

The third version of the software will release as version 3 (v3.0) which will integrate Splunk which meets the specifications of the SRS document of which the version will be relative to the appropriate date of release. I.e. P3 listed on the ‘Project Overview’ document on piazza.

Version 4.0:

The fourth version of the software will release as version 4 (v4.0) which will rework the UI and complete the log ingestion process which meets the specifications of the SRS document of which the version will be relative to the appropriate date of release. I.e. P4 listed on the ‘Project Overview’ document on piazza.

Version 5.0:

The fifth version of the software will release as version 5 (v5.0) which will implement log entry management which meets the specifications of the SRS document of which the version will be relative to the appropriate date of release. I.e. P5 listed on the ‘Project Overview’ document on piazza.

Version 6.0:

The third version of the software will release as version 6 (v6.0) which will respond to a client which meets the specifications of the SRS document of which the version will be relative to the appropriate date of release. This version will also have refactored code that enhances the maintainability and testability of the code. I.e. P6 listed on the ‘Project Overview’ document on piazza.

Version 7.0:

The third version of the software will release as version 7 (v7.0) which will be the final project delivery to the client which meets the specifications of the SRS document of which the version will be relative to the appropriate date of release. I.e. P7 listed on the ‘Project Overview’ document on piazza.

Updates:

Each version will undoubtably have updates relative to the functionality of each version of the software. Thus, when a major component of the software has been updated/integrated to the software there will be a Github push to the master branch (mentioned earlier) with the comment containing the version number with the following naming convention ‘PICK Version#.#’, e.g. ‘PICK Version1.1’, ‘PICK Version2.5’, ‘PICK Version3.2’.

Github Organization (Hierarchy):

The following tree list contains the hierarchy of how the data for the PICK software will be organized on github.

Repository:

* src (folder)
  + build/settings (folder)
  + main (folder)
    - icons (folder)
      * base (folder)
      * linux (folder)
    - python (folder)
      * \_\_pychache\_\_ (folder)
      * Windows (folder)
      * Dialogs (folder)
    - Project\_Info (folder)
      * Project\_Logs (folder)
* README.md (file)
* T10TeamWork\_SCM.pdf (file)