Primary TAS Developer Review Checklist

277STAT Transaction FHIR Developer Checklist



Department of Veterans Affairs

October 2018

Version 1.7

This template contains a paragraph style called Instructional Text. Text using this paragraph style is designed to assist the reader in completing the document. Text in paragraphs added after this help text is automatically set to the appropriate body text level. For best results and to maintain formatting consistency, use the provided paragraph styles. Delete all instructional text before publishing or distributing the document Revision History.

This template conforms to the latest Section 508 guidelines. The user of the template is responsible to maintain Section 508 conformance for any artifact created from this template.

Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| October 25, 2018 | 1.7 | 277STAT Porting FHIR Dev Checklist | Oulson |
| August 29, 2018 | 1.6 | ECME OPECC Reports FHIR DEV Checklist | Oulson |
| August 27, 2018 | 1.5 | Set up for TAS Dev team | TASCore |
| March 1, 2016 | 1.4 | Updated to included check for bundled patches | Product Development |
| February 2016 | 1.3 | Modified mail group for submission of Data Dictionary Change Approvals to VA OIT OED VistA DBA | Process Management |
| March 2, 2015 | 1.2 | Updated to include Build Review Section | Product Development |
| May 2014 | 1.1 | Upgraded to MS Office 2007-2010 format, updated to current ProPath documentation standards, and edited for Section 508 conformance | Process Management |
| January 2014 | 1.0 | Initial Version | Process Management |

Place latest revisions at top of table.

Remove blank rows.

TASCore Primary Developer’s Checklist

(Updated Aug 28, 2018)

Use this checklist to complete the primary developer’s activities including any additional items directed by your Development Manager or Team Leader.

It is the developer’s responsibility to complete the checklist and assure that is sent to the Project and or Dev Team Manager.

If a new test version is required to address issues identified by reviews or testing, a new Primary Developer Checklist, along with other items listed in item 11, will be resubmitted to the Project Manager.

| Patch Number and Identity of Responsible Person | Test Version and Date Completed |
| --- | --- |
| User Story Number: US4416 | Task / Defect Number: TA11488 |
| Completed by: Oulson | Date Checklist Completed: Oct. 25, 2018 |

| # | Primary Developer’s Checklist | OK/NA | Entry of NA Requires Comments |
| --- | --- | --- | --- |
| 1 | Comments exist to describe the intent of code. | OK |  |
| 2 | Limiting use of global variables | NA | No Global Variables |
| 3 | Inputs and outputs are checked and invalid parameter values are handled. | NA | No checking |
| 4 | Code compiles and works as intended. | OK |  |
| 5 | The code is modularized. |  | No re-factor perfomed yet but probably can be improved. |
| 6 | Developer has tested and unit tests are completed.\* | OK (mock) |  |
| 7 | Code is clean (indentation, line length, no commented code, no spelling mistakes) | OK |  |
| 8 | Considered proper use of exceptions | OK |  |
| 9 | Appropriate use of logging. | OK |  |
| 10 | No unused imports | OK |  |
| 11 | Code standards | OK |  |
| 12 | Consider possible null pointer exceptions (NPE’s) | OK |  |
| 13 | Left over stubs or routines have been addressed or removed. | OK |  |
| 14 | Hardcoded any variables that are development only | NA | None |
| 15 | Performance has been considered. | OK |  |
| 16 | Security has been considered. | OK |  |
| 17 | Release of resources (connections, files, etc…) | NA (mock) | Using mocked data only |
| 18 | Any limitations that have been noted for the frameworks being used | NA | None. HAPI FHIR implementation |
| 19 | Addressed any thread safety or possible deadlocks. | NA | No threads |

\*Due to existing conformance and integration tests, unit tests have a 75% coverage. The services are so similar and there is thought to be no added value for more coverage in unit tests, especially for smaller services.