Pages / … / Hydra Desktop App - Guidelines for writing Test cases

Hydra Desktop App | PR Checklist

Created by Saurabh Panthri, last modified on Mar 10, 2021

Developer and Reviewers Checklist

1. PRs **MUST** contain following for the Review and Audit to pass -
   a. Details about the changes.
   b. Mention RCA and fix in case of bugs.
   c. What testing has been done? BTP or any other details. Impacted Areas.
   d. Unit test cases for the changes. Refer Guidelines for writing Test Cases and update Hydra Desktop App | What is not Unit testable? after taking approvals.
      i. If unit tests are not present for some files or are missing altogether, call it out as "Reason for missing test cases" in the PR.
   e. Mention that Sonar Qube is run and no new warnings are generated.
      i. Mention Sonar Qube waivers here - SonarQube Waivers
   f. Add **details in PR's description** as mentioned below:
      i. **Summary of the changes:**
      ii. **RCA:**
      iii. **Bench Testing:**
      iv. **Unit test:**
         1. Reason for missing test cases (if any):
         2. Attach screenshot and should execute all affected unit test classes in which the new ones are present
      v. **Sonar warning:**
2. Make sure that changes do not break the Automated System Tests. Details here - Hydra Automated System Smoke Test.
   a. Raise it to System assurance team and discuss with them, if you think that changes can break the automated system tests.
3. Once Developers and Reviewers are comfortable, and the PR is **approved**, **Send the PR to** Merge Requests Channel and an Auditor will add himself/herself and will Approve for the merge or Add comments.
4. Also **make sure** that Auditor MUST be other than the Senior reviewers and not from the same Scrum Team.
5. Following is the list of Auditors
   a. @ Captain Sunil Kumar   (Offshore)
   b. @ Pallavi Garg   (Offshore)
   c. @ Sachin Bansal   (Offshore)
   d. @ Ryan O'Donnell   (Onsite)
   e. @ Saurabh Panthri   (Onsite)
   f. @ Sukhjeet Kaur   (Onsite)
   g. @ Vikas Goyal   (Onsite)

Audit Checklist

1. Auditors are **only responsible for verifying that the process is followed** and not responsible for reviewing the functionality and code quality.
2. Check if the PR is approved!
3. Check if test case files exist for the code files in the PR.
   a. Can look at the test case coverage and raise concerns and ask questions but not Mandatory for Auditor.
4. Check if screenshots/report for the passing test cases are attached.
5. If test case files are missing, look at the description to see if "Reason for missing test cases" is mentioned in the PR.
6. Check if missing test cases are waived off and Hydra Desktop App | What is not Unit testable? is updated accordingly.
7. Check if it is mentioned in the PR that "SonarQube is run". (We may automate it with task or something later)
8. Whenever in doubt, ask questions and include senior folks.
9. If above requirements are not met, ask questions and do not Approve!
10. Otherwise Approve and add a comment in the PR - "**Audited and Approved!**"

No labels