CGI POC
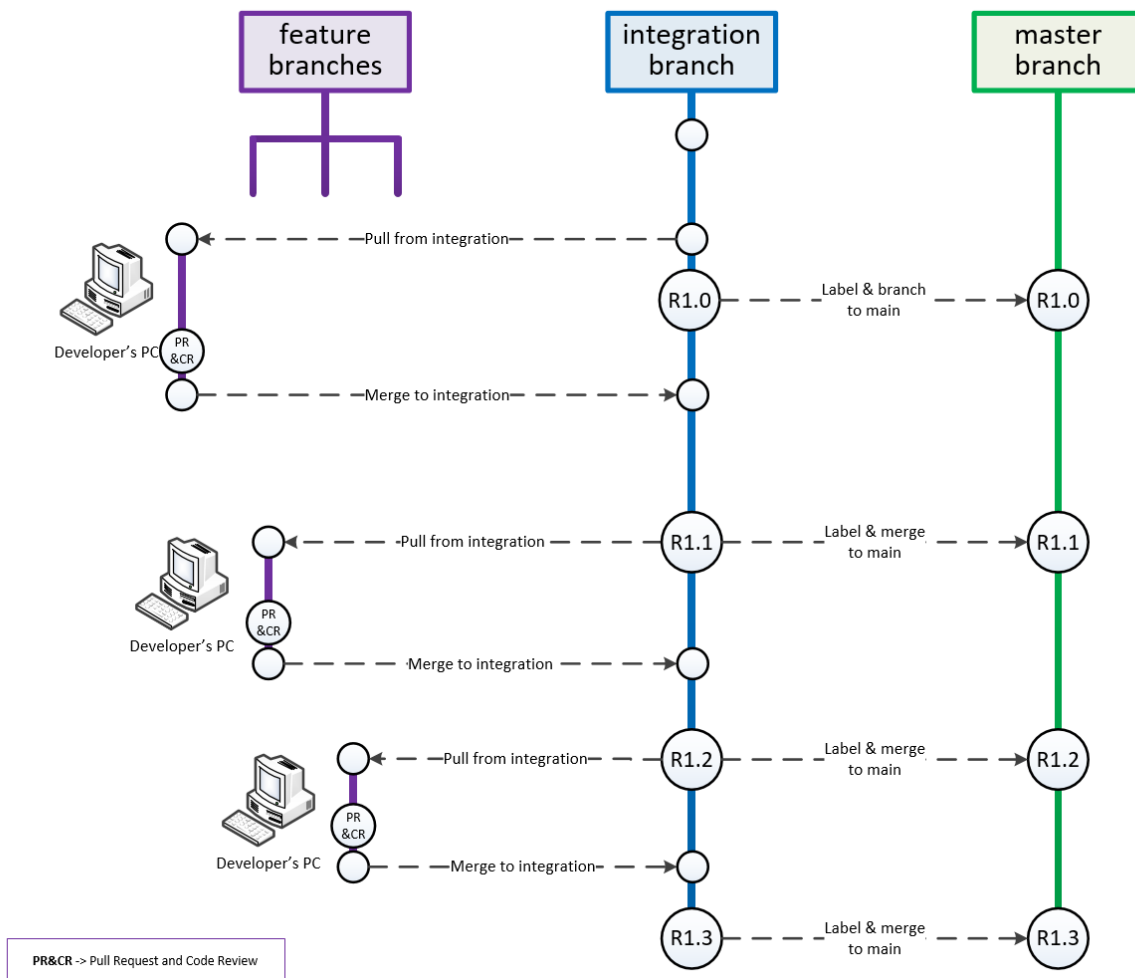# Code Management

Introduction

This document explains the CGI approach to source code management during the ADPQ POC: feature branch, write code, code review, and merge feature branch to integration branch. Developer collaboration and peer review roles are also outlined.

Process
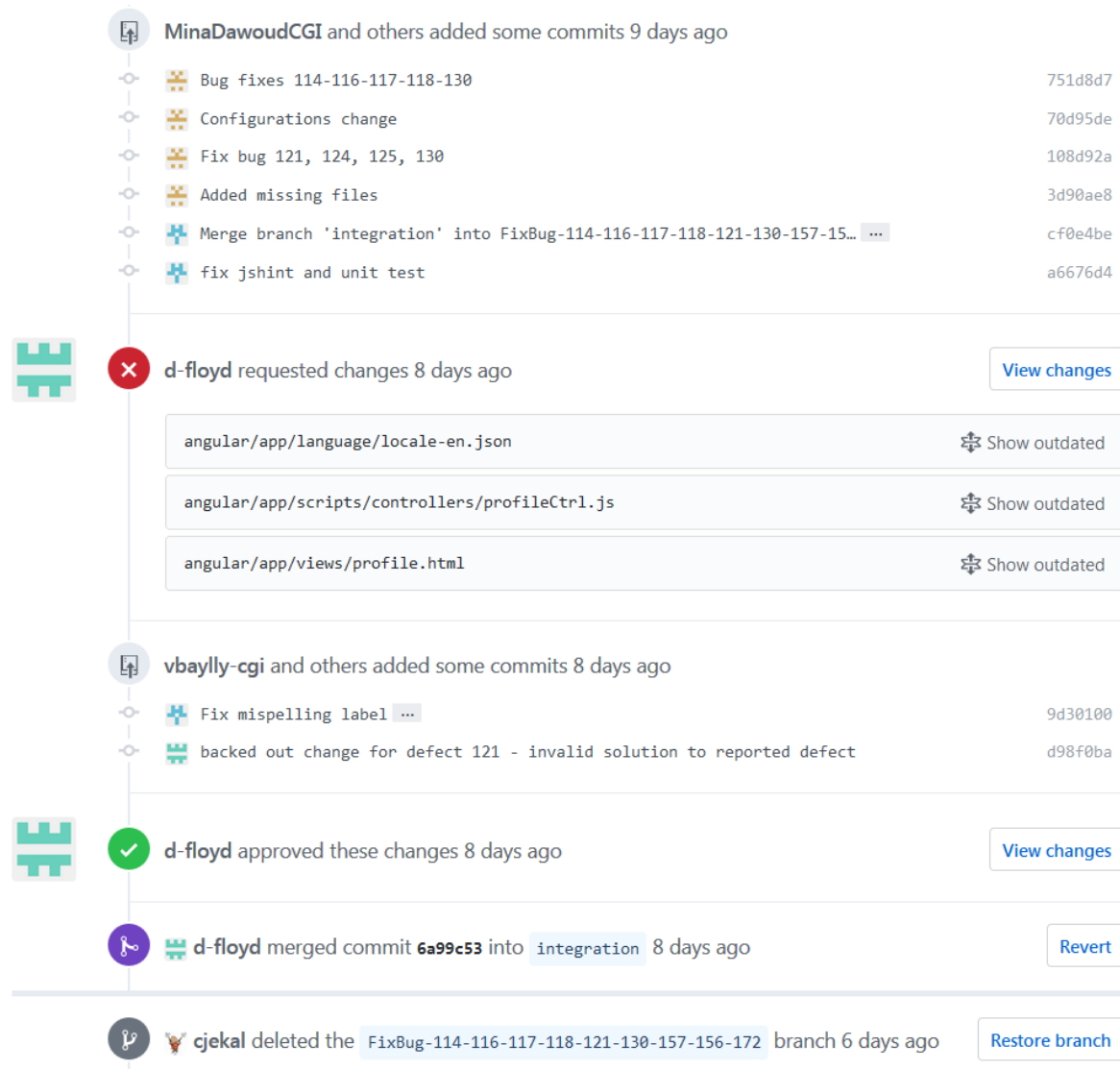
The following picture depicts the source code management:

Steps:

1) The developer creates a Feature branch from the Integration branch in their local environment
2) The developer writes Unit Tests and Source Code for the feature.
3) The developer makes sure the unit tests run successfully using the latest version of the integration branch.
4) The developer initiates a "Pull Request" when he/she is ready to merge the feature branch into the integration branch.
5) The "Pull Request" triggers a Code Review.
6) A pre-assigned developer or technical architect starts the code peer review of the feature. The code peer review includes the following check list:
   a. The branch is a feature branch
   b. Compliance with the project code standards.
      i. Unit tests
      ii. Source code management
      iii. Naming conventions
      iv. Reuse conventions
      v. Error handling
   c. Execute unit tests to make sure the new code does not break other components' source code.
7) Peer Code review result is PASS/FAIL. If PASS the feature branch is merged in the Integration branch. If FAIL, the developer is notified of the issues to fix.
8) If the code review Failed, and the developer fixes the issues, start this process at step 2)

Example of a developer peer review/comment exchange during a change request.

Final entry shows Approval post updates.

MinaDawoudCGI and others added some commits 9 days ago

⊙	Bug fixes 114-116-117-118-130	751d8d7
⊙	Configurations change	70d95de
⊙	Fix bug 121, 124, 125, 130	108d92a
⊙	Added missing files	3d90ae8
⊙	Merge branch 'integration' into FixBug-114-116-117-118-121-130-157-15… ⋯	cf0e4be
⊙	fix jshint and unit test	a6676d4

✕ **d-floyd** requested changes 8 days ago   **View changes**

angular/app/language/locale-en.json	⚖ Show outdated
angular/app/scripts/controllers/profileCtrl.js	⚖ Show outdated
angular/app/views/profile.html	⚖ Show outdated

vbaylly-cgi and others added some commits 8 days ago

⊙	Fix mispelling label ⋯	9d30100
⊙	backed out change for defect 121 - invalid solution to reported defect	d98f0ba

✓ **d-floyd** approved these changes 8 days ago   **View changes**

d-floyd merged commit **6a99c53** into `integration` 8 days ago   **Revert**

cjekal deleted the `FixBug-114-116-117-118-121-130-157-156-172` branch 6 days ago   **Restore branch**