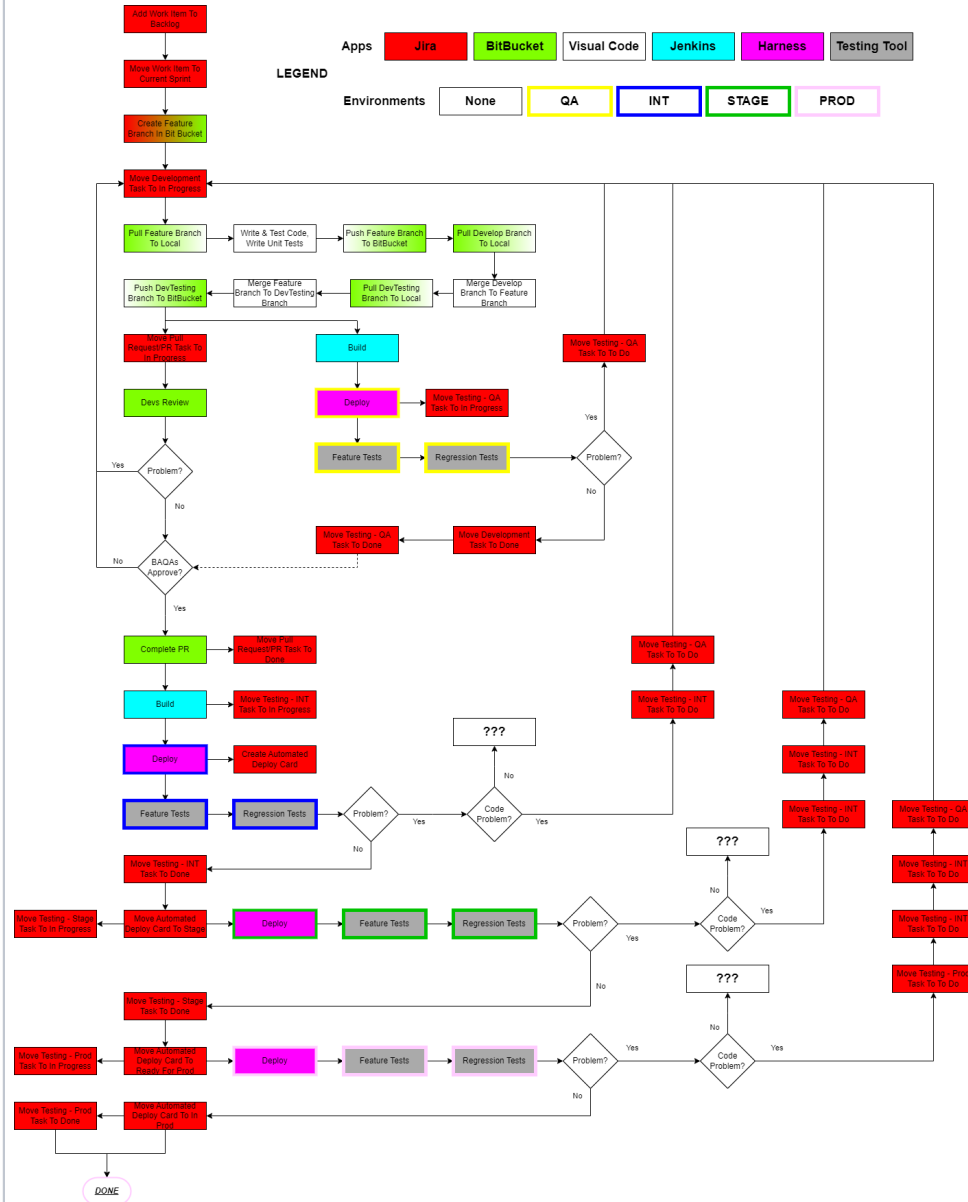


## Work Flow

1. Add a Work Item to the backlog in Jira
2. Move a Work Item to the current sprint in Jira
3. Create a Work Item Feature Branch in the Remote Bit Bucket using Jira
4. Copy (Pull) a Remote Bit Bucket Feature Branch to a Local Feature Branch
5. Move a Development Task in a Work Item to the In Progress column in Jira
6. Implement Code with Visual Code for a Work Item in a Local Feature Branch
7. Test Code with Visual Code for a Work Item in a Local Feature Branch
8. Write Unit Test Code for a Work Item in a Local Feature Branch
9. Copy (Push) Code for a Work Item in a Local Feature Branch to a Remote Bit Bucket Feature Branch
10. IN PARALLEL
  - a. Work Flow 1
    - i. Copy (Pull) Remote Bit Bucket Develop Branch to Local Develop Branch
    - ii. Merge Local Develop Branch to Local Feature Branch
    - iii. Copy (Pull) Remote Bit Bucket DevTesting Branch to Local DevTesting Branch
    - iv. Merge Local Feature Branch to Local DevTesting Branch
    - v. Copy (Push) Local DevTesting Branch to Remote Bit Bucket DevTesting Branch



- vi. Move a Development Task in a Work Item to the Done column in Jira
- vii. Automated CI/CD Pipeline 1 Engaged
  - 1. Jenkins Builds (Continuous Integration /CI) Remote Bit Bucket DevTesting Branch, which includes
    - a. Block for maintaining the checks
    - b. Unit tests runs
    - c. SonarQube checks

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- 2. Harness  
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/CD)  
Remote Bit  
Bucket  
DevTest  
Branch  
to  
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(a.k.  
a.,  
"Dev")
- viii. Move a  
Testing -  
QA Task in  
a Work  
Item to the  
In  
Progress  
column in  
Jira

ix. Test in QA Environment

1. Perform Work Item Specific Tests
2. Perform Regression Tests
3. if there is a problem, go to 5
4. if there isn't a problem

- a. Move a Test into QA Task in a Work Item to the Done column in Jira
- b. see 10. b. iv

b. Work Flow 2

- i. Move a Pull Request /PR Task in a Work Item to the In Progress column in Jira
- ii. Create Pull Request (PR) to merge Remote Bit Bucket Feature Branch to Remote Bit Bucket Develop Branch
  - 1. Per BK w/ example in Bit Bucket , there is a Jenkins Build of the PR
  - 2. Per Bill Reynolds, there is no CI/CD pipeline that exists to support BK's Bit Bucket example
- iii. Other Devs Review Code
  - 1. if there is a problem, go to 5
- iv. BAQAs Approve (see 10.a.ix.4)

- v. Complete Pull Request, i.e., merge Remote Bit Bucket Feature Branch to Remote Bit Bucket Develop Branch
  - 1. This delete s the Remote Bit Bucket Feature Branch
- vi. Move a Pull Request /PR Task in a Work Item to the Done column in Jira
- vii. Automated CI/CD Pipeline 3 Engaged
  - 1. Jenkins Builds (Continuous Integration /CI) Remote Bit Bucket Develop Branch



2.	Harness Deploy (Continuous Deployment /CD) Remote Bit Bucket Develop Branch to INT Environment	Harness Deploy (Continuous Deployment /CD) Remote Bit Bucket Develop Branch to INT Environment
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- viii. Move a Testing - Integration Task in a Work Item to the In Progress column in Jira
- ix. Test in INT Environment
  - 1. Perform Work Item Specific Tests
  - 2. Perform Regression Tests
  - 3. if there is a problem
    - a. if the problem is coded, related, go to 5
    - b. if the problem is not coded, related, ??
- x. Move a Testing - Integration Task in a Work Item to the Done column in Jira

- xi. Move an Automated Deploy Kanban Board deploy card to the In Stage column
  - 1. This Promotes to STAG E Environment
- xii. Move a Testing - Stage Task in a Work Item to the In Progress column in Jira

- xiii. Test in  
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- xiv. Move a  
Testing -  
Stage Task  
in a Work  
Item to the  
Done  
column in  
Jira

- xv. Move an Automated Deploy Kanban Board deploy card to the Ready For Production column
  - 1. This Promotes to PROD Environment
- xvi. Move a Testing - Production Task in a Work Item to the In Progress column in Jira
- xvii. Test in PROD Environment
  - 1. Perform Work Item Specific Tests
  - 2. Perform Regression Tests
  - 3. if there is a problem

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xviii. Move a  
Testing -  
Production  
Task in a  
Work Item  
to the  
Done  
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Jira

xix. Move an  
Automated  
Deploy  
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deploy  
card to the  
In  
Production  
column