Software Development Lifecycle (SDLC) – Process Diagram

Columns: INITIATION | REQUIREMENTS | DESIGN | DEVELOPMENT | TESTING | DEPLOYMENT | DONE

Swimlanes: Product Team | Software Engineering Team | Quality Assurance (QA) Team | User Acceptance Group

Product Team

Product Team prioritizes a Backlog item

START

Product Owner drafts story

- New story begins in REQ status
- Product owner assigns story to self

Product Owner gathers requirements

Product Owner:
- Assigns story to Developer
- Moves story to DEV status

Product Owner gets release approval from CAB

Software Engineering Team

Developer designs solution

Developer assigns story to Dev Lead

Dev Lead: DESIGN REVIEW

FAIL
Dev Lead:
- Adds Design Review Failure comments to story
- Assigns story to Developer

PASS
Dev Lead:
- Assigns story to Developer
- Moves story to DEV status

Developer codes the solution

Developer assigns story to Code Reviewer

Code Reviewer: CODE REVIEW

FAIL
Code Reviewer:
- Adds Code Review Failure comments to story
- Assigns story to Developer

PASS
Code Reviewer:
- Assigns story to QA
- Moves story to TEST status

AppDev and QA deploy story to PROD

QA Lead moves story to DONE status

END

The new feature is now part of the product's Maintenance Phase

Quality Assurance (QA) Team

QA Tester: QA TESTING

FAIL
QA Tester:
- Adds QA Testing Failure comments to story
- Assigns story to Developer
- Moves story to DEV status

PASS
QA Tester assigns story to UAT

User Acceptance Group

UAT Tester: UAT TESTING

FAIL
UAT Tester:
- Adds UAT Testing Failure comments to story
- Assigns story to Developer
- Moves story to DEV status

PASS
UAT Tester:
- Assigns story to Product Owner
- Moves story to DEPLOY status

LEGEND:

- Internal Manual Task
- Internal Automated Task
- External Task
- ···· Unhappy Path
- 🕐 Delay

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