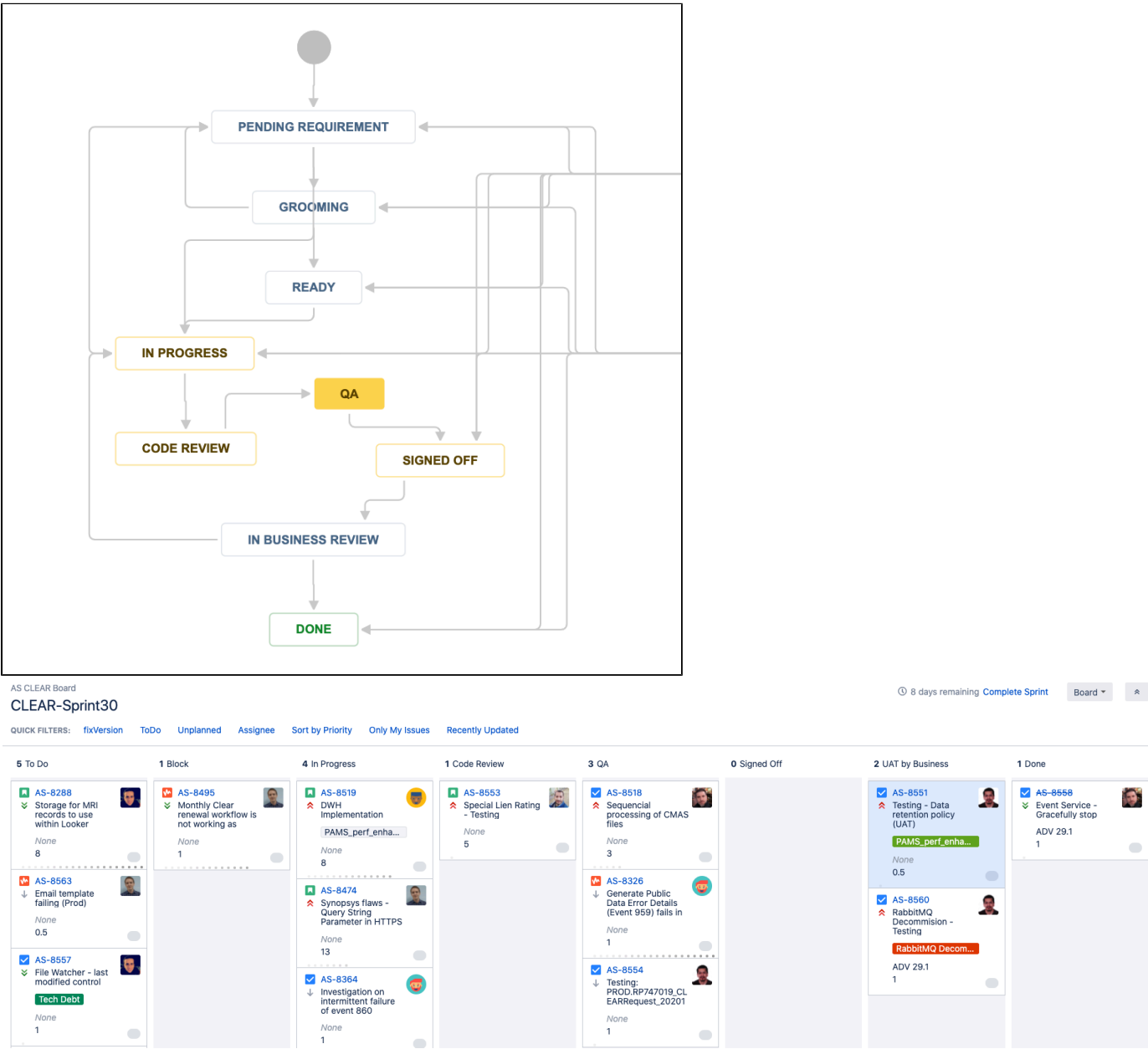


# 6. SDLC Workflow and Branching Strategy

## JIRA Workflow

The following picture shows the workflow that will be used in PAMS Advisory project. The workflow, the branching strategy, and deployments across the environments, are described in the responsibility matrix below.



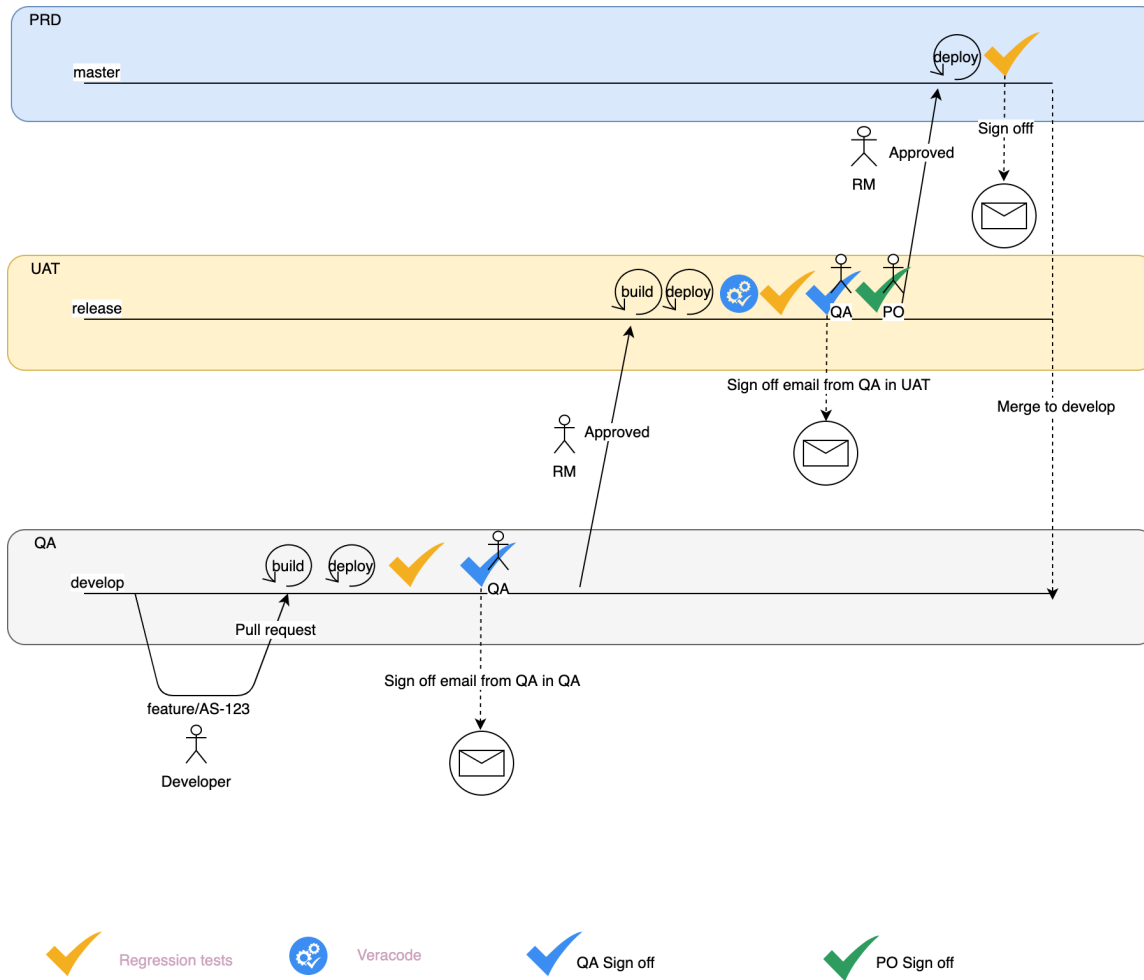
## Responsibility matrix

Status / Role	Developer	CI / CD	QA team	Release manager	Product Owner
---------------	-----------	---------	---------	-----------------	---------------

<b>Grooming</b>  <i>(This status is out of sprint)</i>	Estimate ticket. To estimate the ticket, it's mandatory that tickets are clear enough to work on them, and the complexity is known.		Estimate ticket. To estimate the ticket, it's mandatory that tickets are clear enough to work on them, and the complexity is known.		PO prepare tickets to cover in the grooming sessions
<b>To Do</b>	Developer will pick up the first ticket in the ToDo column.				PO will make sure that tickets are properly ordered in the ToDo column
<b>In Progress</b>	<p>The developer create branch. We'll follow gitflow (<a href="https://www.atlassian.com/git/tutorials/comparing-workflows/gitflow-workflow">https://www.atlassian.com/git/tutorials/comparing-workflows/gitflow-workflow</a>).</p> <p>For every ticket (no subtasks), it's needed to a <b>feature branch</b> (i.e. feature/AS-123_my_branch).</p> <p>Note: The feature branches related to a ticket will appear in th JIRA ticket as long as the feature branch contains the ticket ID.</p>				
<b>Code Review</b>	Once the development is done, it will be needed to create a <b>Pull Request</b> to develop branch to be reviewed. When approved, it can be merged to develop, and then, the ticket can be moved to QA.				
<b>QA</b>	The Developer has <b>merged</b> the feature branch to develop once the PR was approved.	The changes are <b>deployed in QA</b> env when a new commit is pushed in the branch	QA team test the ticket and prepare automation coverage. Once tested, it has to be moved to <b>Signed off</b>		
<b>Signed off</b>		<p>When the release manager execute the job for deployment in UAT, it will:</p> <ol style="list-style-type: none"> <li>1. merge develop into the release branch</li> <li>2. deploy in UAT</li> <li>3. move the tickets from Signed off to UAT</li> </ol>		Release manager will merge <b>develop into release branch only when there are no tickets in QA column</b> (no tickets in develop branch pending to be tested). The merge is triggered via Jenkins. All the tickets in Signed off column will be moved to UAT.	
<b>UAT</b>			QA team test the ticket and check automation coverage.		PO tests the ticket. Once tested, it has to be moved to <b>Done</b>
<b>Done</b>				Release manager prepare release documentation and CHG ticket for all tickets in Done. The <b>release will be done via Jenkins the same artifacts the were deployed in UAT</b>	

## Branching strategy & CI/CD

### Release process



## Hotfix process

