

<b>QA Engineer Task - Angular Jira Clone with Akita</b>	<b>Assignee:</b> Jovan Mišić
<b>Test scenario</b>	<b>03.04.2025.</b>

<b>Framework used</b>	Cypress
<b>How i'd set up the framework</b>	<b>1. Install Cypress</b> - Ensure Node.js is installed to the system - Use npm to install Cypress - npm install cypress --save-dev <b>2. Set up the project</b> - Initialize project with > npm init -y - Create a cypress.json config file to define settings like base URL and test directories <b>3. Write first test</b> - Open cypress with > npx cypress open - Create a new test file in the cypress/integration folder, e.g. example.spec.js.

Essential functionalities	What should be tested
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1	<b>Setup and Configuration</b>	<ul style="list-style-type: none"> <li>• <b>Create a Kanban Board:</b> Verify the ability to create a Kanban board from scratch or from an existing project</li> <li>• <b>Customize columns:</b> Test adding, removing and renaming columns (e.g., <i>'To Do'</i>, <i>'In Progress'</i>, <i>'Done'</i>)</li> <li>• <b>Set Work-in-Progress (WIP) limits:</b> Validate the functionality to set WIP limits for columns</li> </ul>
2	<b>Task Management</b>	<ul style="list-style-type: none"> <li>• <b>Create Tasks:</b> Test creating tasks, bugs, or user stories and adding them to the backlog</li> <li>• <b>Edit Tasks:</b> Verify editing task details like title, description, priority, and assignee</li> <li>• <b>Move Tasks:</b> Test moving tasks across columns (e.g. from <i>'To Do'</i> to <i>'In progress'</i>)</li> <li>• <b>Delete Tasks:</b> Validate the ability to delete tasks.</li> </ul>
3	<b>Workflow Management</b>	<ul style="list-style-type: none"> <li>• <b>Configure Workflow:</b> Test modifying workflows by adding or removing statuses,</li> <li>• <b>Track Progress:</b> Verify that tasks visually move through the workflow stages,</li> </ul>

		<ul style="list-style-type: none"> <li>● <b>Identify Bottlenecks:</b> Test the ability to spot bottlenecks (points of congestion) using WIP limits.</li> </ul>
4	<b>Filters and Search</b>	<ul style="list-style-type: none"> <li>● <b>Apply Filters:</b> Test filtering tasks by assignee, priority or status.</li> <li>● <b>Search Tasks:</b> Validate the search functionality for finding specific tasks.</li> </ul>
5	<b>Notifications and Permissions</b>	<ul style="list-style-type: none"> <li>● <b>Notifications:</b> Test receiving notifications for tasks updates or changes</li> <li>● <b>Permissions:</b> Verify user permissions for accessing and modifying the Kanban board</li> </ul>
6	<b>Reporting and metrics</b>	<ul style="list-style-type: none"> <li>● <b>Cycle time:</b> Test tracking cycle time for tasks</li> <li>● <b>Cumulative Flow Diagram:</b> Validate the generation of cumulative diagrams to analyze workflow efficiency.</li> </ul>
7	<b>Integration and Compatibility</b>	<ul style="list-style-type: none"> <li>● <b>Integrations:</b> Test integrations with other tools like Confluence or Bitbucket.</li> <li>● <b>Browser Compatibility:</b> Verify functionality across different browsers.</li> </ul>
8	<b>User experience</b>	<ul style="list-style-type: none"> <li>● <b>UI/UX Testing:</b> Ensure the interface is intuitive and responsive</li> <li>● <b>Accessibility:</b> Test accessibility features for users with disabilities</li> </ul>
9	<b>Permissions and Roles</b>	<ul style="list-style-type: none"> <li>● Test with admin-level permissions without neglecting restrictions for regular users.</li> <li>● Verify if issues with user roles impact their ability to view or edit the board.</li> </ul>