



Test Automation Coding Exercise

Application for Testautomation Engineer

A. Cypress Test Automation Coding Exercise

Welcome to the coding example you are going to work on the next days, which is tailored towards Cypress test automation engineers, intended to showcase your abilities.

Keep in mind the following:

- This is not a contest based on speed coding, so you do not need to achieve 100% completion.
- Emphasize a solid object-oriented design and the ability to reuse selectors.
- If you encounter any difficulties or have any questions, please do not hesitate to ask for assistance.

Have fun implementing the testcase, which is described on the next pages!

B. Cypress Test Example

Please automate the test case shown on the next page within the Cypress framework using TypeScript (or JavaScript if you are not experienced in TypeScript). The example tests a web application, which is a simple clone of the popular issue tracker Jira.

Setup

When setting up your project for the Cypress test, please adhere to the following configurations and conventions:

- Use npm or yarn as a package manager together with Typescript / JavaScript as programming language.
- Create a new git project and use it to version your testcase.
- Ignore in git the "node_modules" folder.
- Create a new cypress project (without sample specs).
- Create the test-file in the folder "e2e".
- The ending of the test should be ".e2e.ts" (or ".e2e.js").
- Configure Cypress to use the highest quality for videos.

Test Case: Create a new issue in the application

Steps	Expectations
Open the page https://jira.trungk18.com/project/board	Breadcrumbs are set to "Projects / Angular Jira Clone / Kanban Board". The issue counter of "BACKLOG" is "3".
Click the plus icon ("Create issue") on the left side-menu.	A new dialog for entering the issue information is shown.
Select issue type „Story“.	„Story“ is selected as issue type.
Select issue priority „High“.	„High“ priority is selected.
Enter a short summary "Testcase for Jira Clone".	The short summary is set in the text field.
Enter a description „As an applicant I need to create a testcase for a Jira clone“.	Text is displayed in the description field.
Set the assignee to „Captain“.	The assignee „Captain“ is set and an icon is shown next to the text.
Click „Create Issue“.	The dialog is closed. The issue is shown in the "Backlog" column. The issue displays the correct short summary. The issue counter of "BACKLOG" is "4".
Click on the newly created issue.	A dialog with the issue details is opened.
Change the status to „IN PROGRESS“.	Status is displayed as „IN PROGRESS“.
Change the Priority to „Highest“.	Priority is displayed as „Highest“.
Close the dialog.	The dialog is closed. The issue is displayed in the column „IN PROGRESS“. The priority icon of the issue changed from „High“ to „Highest“. The issue counter of "BACKLOG" is "3". The issue counter of „IN PROGRESS“ is now "6".

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