



Test automation - we would like to see you in action

Briefing

We would love to see your creativity and your ability to understand acceptance criteria. For this you will need to create the necessary test cases based on a user story to reach maximum test coverage. If you have a keen eye for detail, you might even find bugs in the implementation that need to be reported to the developers.

In the technical interview, we want to see your coding skills by automating some of the test cases that you created beforehand.

Prepare at home

Step 1 a. Create test cases for a user story

In the Marketplace on our Customer Portal, we provide Add-ins which integrate additional features from e.g. Third-Party developers into our desktop application. Inside such an Add-in, a developer needs to be able to add new versions after developing new features and after fixing potential bugs. The following user story covers the acceptance criteria for this page. Please create all test cases that come to your mind to test every possible interaction with the controls on this page based on the acceptance criteria and based on a screenshot for the design of this page.

User story:

As an add-in developer I want to publish a version of my add-in on the Elise marketplace, so that I am able to release new features and ELISE users are able to use my add-in with every published ELISE version.

Acceptance Criteria:

- Publish the binary file of the new add-in version
- Set the minimum compatible ELISE version (it should be possible to set release candidates too)
- Set and edit the add-in description for the add-in version
- Set and edit the release notes for the add-in version
- Upload some example files to demo new features for the users
- For ease of use the description field should be prefilled with the content of the previous version's description
- For ease of use the release notes field should be prefilled with the content of the previous version's release notes
- Save a draft to continue editing at a later point => Drafts should be visible only from other developers of the same organization
- Submit a draft for review

Create new Version

* Version ⓘ

0 / 20

* Minimum Compatible ELISE Version ⓘ

Save and Submit

Save draft

Cancel


* Description ⓘ

0 / 5000


* Release notes ⓘ

0 / 5000

* Binary (elsapp) ⓘ



Exmample files (els) ⓘ



Use any form of documentation you like. If you want to directly add test cases on top of the screenshot, that's fine.

Step 1 b. Write a bug report

If you spotted any bug in the design screenshot for the user story, then please create an example bug report with all the relevant information for the developers to understand, reproduce and solve the problem.

Step 2. Create the test development environment

Please prepare a working test development environment for the technical interview so you can start coding right away. We do not care which test framework you use. Use the one suitable for the job with which you are most comfortable with.



In the technical interview

Step 3. Create automated integration tests

To ensure a high-quality product, we want to increase the number of automated integration tests for our own Customer Portal. These tests will need to be integrated into an Azure Pipeline to run them on demand or on a schedule.

We will choose at least five automated integration tests for the test cases that you already created in Step 1 a. – for which you will need to write some code and make them run successfully inside your prepared test development environment. You will receive access to the Staging instance for the Customer Portal so that you can write your tests directly based on the already implemented feature before it hits our Production instance.

We look forward to meeting you and seeing you in action.