

Technical Assessment

Software Test Engineer

Type of assessment: Technical

Completion time: 1 to 7 days



We're super excited to invite you to the next stage in the recruitment process, congratulations!

The Software Test Engineer is going to play a key role in supporting the Product Engineering team and meet the standards of the products.

This interview assessment will be a take-home task that we would like you to complete, send back for the team to review. Please complete and send back to the recruiter within 7 days.

Task 1

Test planning

Assume you are a tester in a team building a travel website (<https://www.phptravels.net/home>)

Identify 5 critical high level scenarios. eg: login or search

Write detailed test cases/acceptance criterias for any 3 of the identified scenarios

Skills Assessment

Insert bullet points or a description of skills that are being assessed - outline this to the candidate, so they know which areas to focus on within their assessment.

- Test Planning
- Exploratory testing skills
- Edge cases identification

Task 2

Automation testing

We use Java, Groovy and JavaScript at Adaptavist for test automation. However, you can use any programming language and framework you are comfortable with to complete this task. Put the solution on a github or a bitbucket repository and add engineering-interviews@adaptavist.com to the repo for evaluation.

Note:

- Apply good software design principles.
- Focus on code quality

- Keep your design simple, don't over-engineer.
- Commit as you go, we like to see your progress and approach.
- Make sure the tests run as expected before submitting. We will execute the tests during evaluation.
- Provide instructions on how to execute the tests.

Extra points for using docker where applicable. Eg: running tests on docker-selenium. <https://github.com/SeleniumHQ/docker-selenium> or bundling the tests inside a docker image.

2.1 Browser Drive Functional Testing

Write at least one scenario for each of the components listed below and create browser driven automated tests to test them.

- Editor - <http://the-internet.herokuapp.com/iframe>
- Alerts - http://the-internet.herokuapp.com/javascript_alerts
- Sortable Table - <http://the-internet.herokuapp.com/tables>

Skills Assessment

Insert bullet points or a description of skills that are being assessed - outline this to the candidate, so they know which areas to focus on within their assessment.

- Selenium WebDriver knowledge
- Test script design and development skills
- Code quality
- Git usage

2.2 REST API Automation Testing

Create automated tests for the below endpoints from the site <https://reqres.in/>

- List Users
- Create
- Update

Skills Assessment

Insert bullet points or a description of skills that are being assessed - outline this to the candidate, so they know what areas to focus on within their assessment.

- API testing knowledge
- Code quality
- Git usage

If you are successful in completing this Assessment task, the next step will be an interview with the hiring manager where you will discuss your task at the interview. The interview will also have additional competency-based questions.

If you have any questions please contact me and I will be happy to help.

Good luck!