

# Home Challenge

Thank you for taking the time to do our Home Challenge. It consists of three parts:

First part is about creating a test plan for one of the money management applications. Second and third parts are about writing a set of automated checks one of the android open source application and for sample REST API.

**Please submit your results by sending us a link to your github repository named {firstname}-{lastname} containing:**

- A single **markdown file** with the test plan/test cases
- Separate folder containing test automation implementation

## Tasks

1. As **Software Quality Engineer** you are given a task of testing one of **Monefy** mobile applications. Choose the platform your are more familiar with (iOS or Android) You can download the apps here:

- [iOS](#)
- [Android](#)

Monefy is a money management app where you can add your expenses in a dedicated category and track your spendings. You can review your

expenses in detailed charts.

## Task

Please write down:

- A list of ideas/bullet points you would test for. Focus on good coverage, rather than complete test cases
- A prioritization of such test cases according to their possible business impact

*The goal is not to provide us with the complete test plan, but to show the ability to setup the main structure of it. Thus, focus on the most important things and decide on your own. The idea is not to provide the generic test plan document, but the test suit with as many test cases you can implement. Spend maximum 2-4 hours on this and rather focus on the quality than on the completeness of the test plan.*

2. As **Software Quality Engineer** you are given a task of writing a set of automated tests for **GnuCash Android** android application. GnuCash Android is a companion expense-tracker application for GnuCash (desktop) designed for Android. It allows you to record transactions on-the-go and later import the data into GnuCash for the desktop. The **.apk** file can be found in the attachment below or here:  
<https://github.com/codinguser/gnucash-android>. You don't need to make any accounts or give any information.

## Task

- A list of ideas/bullet points you would test for. Focus on good coverage, rather than complete test cases.
- A prioritization of such test cases according to their possible business impact in case of failure.
- Outline the possibilities of automating proposed test cases on different levels, together with a short summary of pros and cons of each of them.
- Please automate proposed test cases.
- A short explanation of the provided solution inside of README file

## Rules

- \* Feel free to use whatever frameworks, library, packages you like
- \* Use any familiar structure or pattern you are comfortable with
- \* Include README about how to use the test suite. Take care about explaining the setup, as we might not have the same libraries installed.

3. As **Software Quality Engineer** you are given a task of testing RESTful API in Best Buy API playground. API playground is a training pool designed to learn about an API framework in local environment. Setup your environment as explained in the [guide](#)

## Task

- Setup the API playground and run it locally.
- A list of test cases proposed for automation.
- Please automate proposed test cases.
- A short explanation of the provided solution.

## Rules

- Feel free to use whatever frameworks, library, packages you like
- Use any familiar structure or pattern you are comfortable with
- Include README about how to use the test suite. Take care about explaining the setup, as we might not have the same library installed.

First task in the **Home Challenge** is mandatory. You can choose between second and third task according to your experience.

Completing all three tasks is a plus.

Let us know if you have any questions.