

## Task 1 - Prioritization

Given you've received a number of bug reports and you've been asked to prioritize them using the tags:

- Urgent
- High
- Normal
- Low

Brief:

How would you prioritize the bug reports below?

Why would you prioritize them like this?

1. "Forgot password" email is not being sent for the user account.
2. Swapfiets language switcher is not working.
3. "About-us" Swapfiets footer links are redirecting to the homepage.
4. Month date-of-birth dropdown box is only showing "November".
5. "Complete registration" button not working.

Bug description	Priority	Comment
"Forgot password" email is not being sent for the user account.	Urgent	A forgotten password presents a major obstacle for a user, as it prevents them from logging into their account, accessing and using any features of the website.
Swapfiets language switcher is not working.	Normal	Priority here depends on the majority of users and default site language. If the default language is English and the majority of users are tourists, it should not be a problem. However, if the default language is native to the country and most users are also tourists, there is a risk of lost profit. The priority of this aspect can be determined based on additional information and/or some site statistics if they are available
"About-us" Swapfiets footer links are redirecting to the homepage.	Low	Does not affect the user and the business flow
Month date-of-birth dropdown box is only showing "November".	High/Urgent	<p>This is a high priority issue that could potentially become urgent. The user is able to complete the registration process and rent a bike by selecting any month as their birth month, even if it is not accurate. This information can be corrected later by user support or within the user's account. However, if the application validates this information using a photo of the user's ID, there may be a problem and the registration will fail.</p> <p>Additionally, there is a risk that users cancel the registration process if the correct birth month is not presented in the dropdown box. This issue has a significant impact on the main business flow.</p>
"Complete registration" button not working.	Urgent	It is not possible to rent a bike without completing the registration process. This issue has a significant impact on the main business flow.

## **Task 2 - Planning and documentation**

**Given you've been tasked with writing an acceptance test suite for the Swapfiets website**

**<https://swapfiets.com/en-GB>**

**Brief:**

**What are the 5 most important test cases you would write?**

**Explain why you chose the 5 scenarios you did.**

**How would you document those scenarios?**

**How would you manually test those scenarios?**

**What tools would you use for testing them?**

Scenarios:

1. Browse bikes from site menu and order one with completing registration form with loyal membership
2. Select city and order bike from cities page with complete registration form with flexible member ship
3. Login to existing account and cancel subscription
4. Order bike from website using mobile phone to check if it displays correctly on the mobile device and user is able to use apple/google pay as a payment.
5. Restore password for existing user.

These scenarios cover most important business flows. This also involves for example verifying the display resolution for mobile devices, as our mobile phones have now become an integral part of our lives.

I would document the scenarios with test detailed cases because the this is key functionality and anyone should be able to test it with clear step by step instructions. Also it is important to have clear steps for automating these scenarios. They are most important and will be tested every time period (release or even build)

I would test these scenarios manually using written detailed test cases.

But also I would test these scenarios using automated suite, because as I mentioned earlier these are key flows and they should be tested regularly. As for tools I would use Selenium/Playwright/Cypress

## **Task 3. API testing**

**Given you have been asked to set up tests for the API Catfact Ninja,**

**<https://documenter.getpostman.com/view/1946054/S11HvKSz>**

**Brief:**

**What would you test about this API?**

**Why would you test this?**

**How would you test this?**

**Write three example tests for this API using Postman.**

**Describe the process you went through setting up these three tests.**

I would test basic positive scenarios such as sending GET requests to the endpoints and validating responses: status code, body format, body content according to the json schema and in correspondence with the used requests parameters.

Also I would pay attention to the naming of endpoints (should be nouns, not verbs as per good practices) and handling errors.

I would test it using such tools as python requests and pytest frameworks because they are good for testing API services and easy to use and maintain.

While testing the API I went over the API documentation, I also used the knowledges about testing API from my experience.

While adding assertions I tried to make them easy to understand and work with, used variables to avoid correcting parameters in different places if API changes, added test environment file.