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| Goal | Get basic practical skills for Aquality framework. Work with http-requests |
| Programing Language | Java, C# |
| Task type | Test automation |
| Required competencies and technical skills | Communication;  OOP;  Basic knowledge of Selenium Webdriver, Aquality framework, design patterns;  Understanding how HTTP/HTTPS works |
| Estimate, h | 20 |
| Requirements | 1. You shouldn't use ready-made frameworks for working with the Gmail API ([example](https://developers.google.com/gmail/api/quickstart/java)), only execution of GET\POST requests in accordance with the с [Gmail API documentation](https://developers.google.com/gmail/api/reference/rest) is allowed. 2. The logic of obtaining an access token must be implemented in the code. |
| Task description | | **Preconditions** | | --- | | 1. You need to create [test account](https://mail.google.com/) | | **Setting up Google Cloud** | | 1. Follow the [link](https://console.cloud.google.com/) | | 2. In the upper panel select "Select a project" -> "New project" | | 3. After project is created select "APIs & Services" -> "OAuth consent screen" on the left menu | | 4. Select User Type - External, click "Create" | | 5. On the "OAuth consent screen" tab fill only necessary fields (the "App name" field should be different from the existing ones) - leave all other tabs as default. | | 6. After creation click "Publish App" | | 7. On the left menu select "APIs & Services" -> "Library" -> enter "Gmail API" in the search box -> choose "Gmail API" from the list-> click "Enable" | | 8. On the left menu select "APIs & Services" -> "Credentials" -> click "+ Create Credentials" on the top of the page-> "OAuth Client ID" -> choose application type "Desktop app" -> save the file with the received credits locally |  | **Getting Access Token** | | --- | | You need to form an HTTP request using the file received in the previous step to get the token. Then go to this URL in the browser and issue all necessary access permissions. If everything was done correctly, the result will be UI code for get the token. | | Then you need to use the received access code to make a POST request and get the access token, which will be used for each request to the Gmail API |   **Test Case 1: Euronews Gmail API**   | **Steps** | **Expected result** | | --- | --- | | 1.  Follow the [link](https://euronews.com/) | Main page of Euronews is opened | | 2. Follow the link "Newsletters" in the header | Page "Newsletters" is opened | | 3. Choose a random newsletter subscription plan | An email form has appeared at the bottom of the page | | 4. Enter email, click "Submit" button | You received an email with a request to confirm subscription | | 5. Folow the link received from the letter | A page with a message about successful subscription confirmation is opened | | 6. Click "Back to the site" | Main page of Euronews is opened | | 7. Follow the link "Newsletters" in the header, choose the same newsletter subscription plan as in the step 3, click "See preview" | A preview of the required plan is opened | | 8. On preview find and get a link to unsubscribe from the mailing list , follow this link in the browser | Unsubscribe page is opened | | 9. Enter email, click "Submit" button | A message that the subscription was canceled successfully appears | | 10. Make sure that you**haven't** received an email with a message about canceling your subscription | The letter hasn't arrived | |