

Test plan

“Wear Me”

Individual project

Version history

Version	Date	Author(s)	Changes	State
0.1	05.11.2021	Veronika Valeva	Initial test plan with planning of Sprint 1 and 2, information about the problem, the group, way of working, research methods, finances	Sprint 3 deliverable
0.2	22.11.2021	Veronika Valeva	Refactor of code with sonarqube recommendations. Added sonarqube quality assurance metricsscreenshots	Sprint 4 deliverable
0.3	08.01.2022	Veronika Valeva	Update SonarQube	Sprint 6 deliverable

Testing strategy and configuration management

Testing strategy

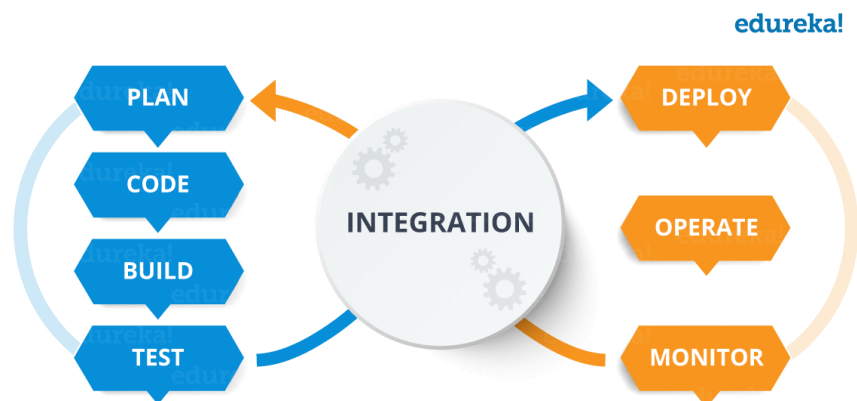
A few testing methods will be applied:

- Unit testing –used to test different parts/units of the code and will be implemented each sprint for the newly added features
- Regression tests – used to test if the whole program still works as it should when a new feature is added. This testing will also be done each sprint
- User tests - User testing refers to a technique used in the design process to evaluate a product, feature or prototype with real users
- System testing – used to test the whole system and will be done in the last sprint before release of the final product

The testing of some features that require to be tested often or are complicated and may be wrongly tested, will be automated. An example is the login in the application. For automated testing a software like Selenium will be used.

Test environment and required resources

Continuous integration and continuous delivery are used. For the test environment, we are going to use a CI/CD environment in this project.



Configuration management

A management tool for the project will be Git CI/CD.

Integration testing

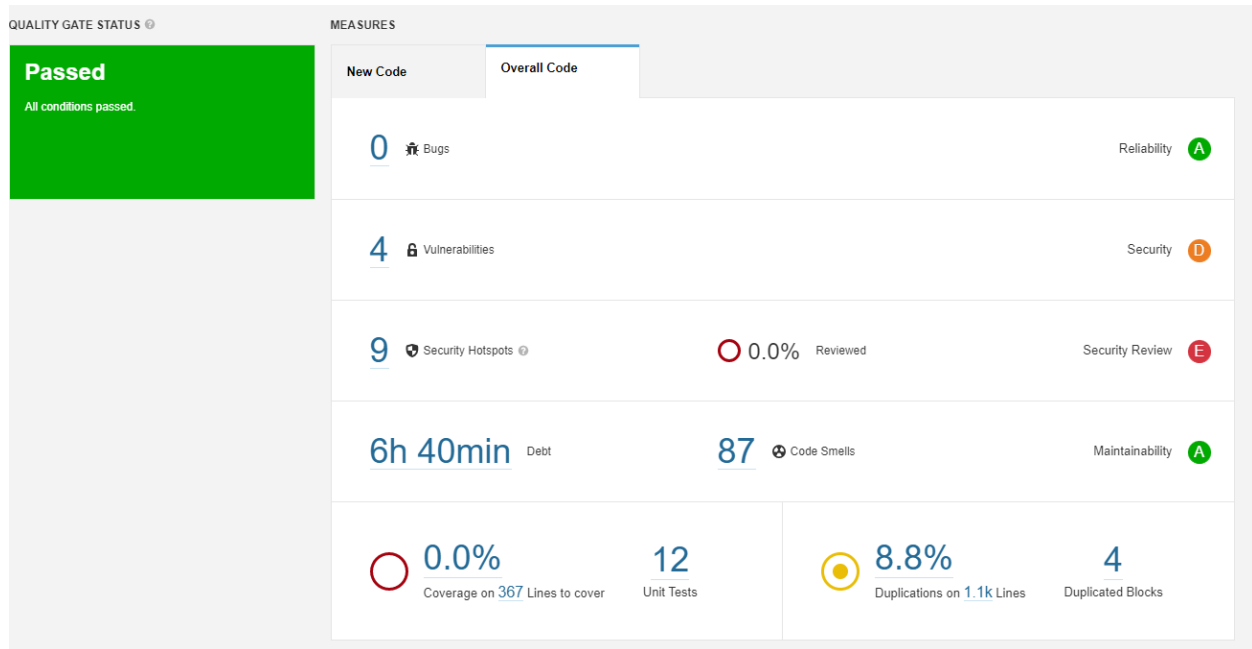
Postman is used to automate integration tests. Automated testing prevents human error and streamlines testing. The tests and requests are aggregated and created into a single automated test sequence.

▶	POST	LoginTestFailed	2		0	
▶	POST	LoginTestPassed	2		0	
▶	GET	GetUserByUsernamePass	2		0	
▶	GET	GetUserByUsernameFail	2		0	
▶	GET	GetAllCustomersPass	2		0	
▶	POST	UpdateUserDataTestPass	2		0	
▶	POST	UpdateUserDataTestFail	2		0	
▶	GET	CustomerRefreshTokenTest	2		0	
▶	GET	CustomerRefreshTokenFail	2		0	

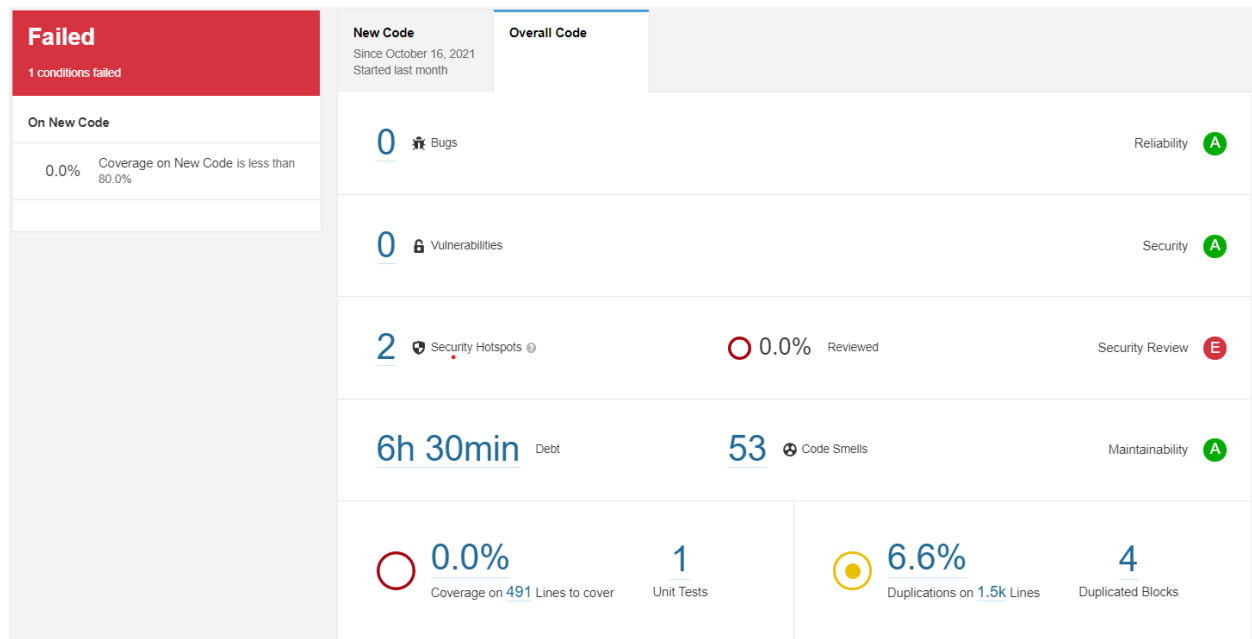
▶ DELETE	DeleteCustomerTestFail	2 0	
▶ POST	LoginTestPassed	2 0	
▶ GET	GetCommunityManagerByUsernamePass	2 0	
▶ GET	GetCommunityManagerByUsernameFail	2 0	
▶ GET	GetAllCommunityManagersPass	2 0	
▶ POST	CreateCommunityManagerTestFail	2 0	
▶ POST	CreateCommunityManagerTestPass	2 0	
▶ DELETE	DeleteCustomerTestPass	2 0	
▶ DELETE	DeleteCustomerTestFail	2 0	
▶ POST	LoginTestPassed	2 0	
▶ GET	GetSalesManagerByUsernamePass	2 0	
▶ GET	GetSalesManagerByUsernameFail	2 0	
▶ GET	GetAllSalesManagersPass	2 0	
▶ DELETE	DeleteSalesTestFail	2 0	
▶ GET	GetProductByTestPass	2 0	
▶ GET	GetProductByTestFail	2 0	
▶ GET	GetNineProductsTest	2 0	
▶ GET	GetProductByCategoryTest	2 0	
▶ GET	GetProductByGenderTest	2 0	
▶ GET	GetProductByCategoryGenderTest	2 0	
▶ GET	GetProductByStatusTest	2 0	
▶ POST	CreateProduct	2 0	
▶ DELETE	DeleteProduct	2 0	
▶ POST	New Request	2 0	

SonarQube

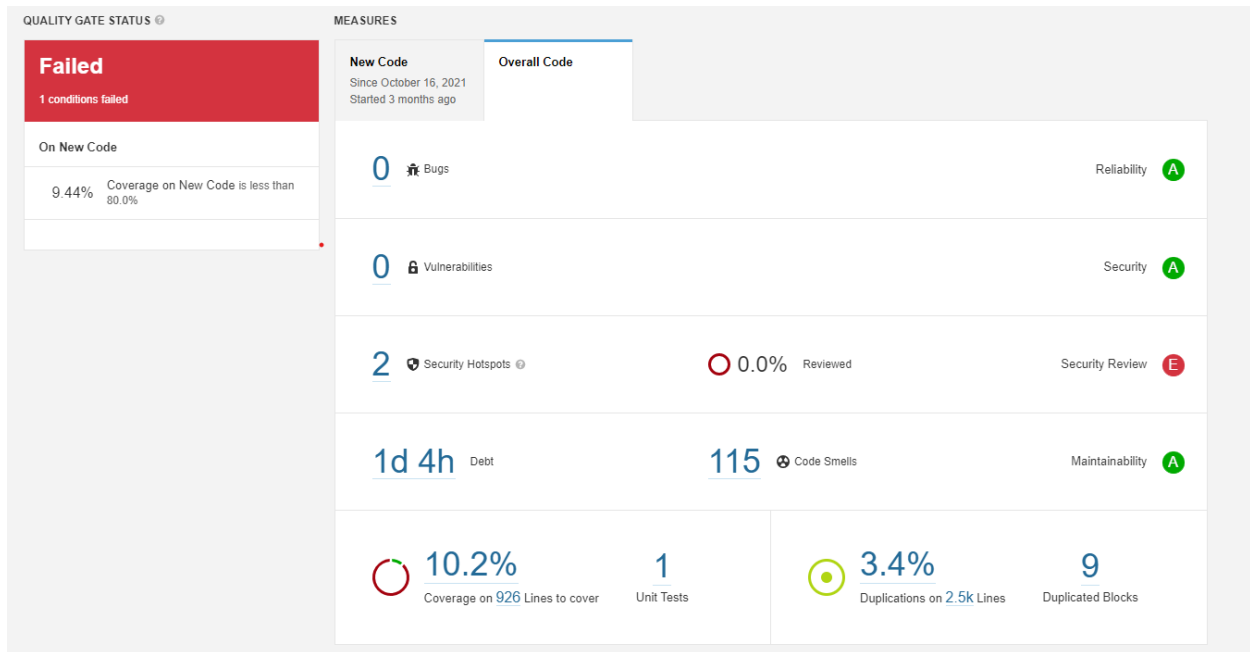
SonarQube is a tool which aims to improve the quality of your code using static analysis techniques to report:



22.11.2021 – Update SonarQube screenshots



08.01.2022 – Update SonarQube screenshot



User Acceptance Test Cases

ID	User story	Name	Pre-condition	Test data	Expected result
TC-01	US-01	Register/create profile on the website	The log in/register page is displayed		The user can use the website
TC-02	US-02	The user can log in to her/his profile on the website	The log in/register page is displayed	Customer account: username: veronika Password: veronika Community Manager: U: nikolay P: nikolay Sales Manager: U: sales P: sales	The user can use the website

TC-03	US-03	The user can view the website without creating or having an account	The main page of the website is displayed.		The user can use the website without an account.
TC-04	US-04	The user can view the main page of the website	The main page is displayed		The user can use the website
TC-05	US-05	The user can filter the products on the main page	The filter function on the main page is activated. The filter menu is displayed		The user can choose different items.
TC-06	US-06	The user can view his/her profile	The user viewing the site has already logged/registered on the website.		The user can view my personal information.
TC-07	US-07	The user can edit my personal information in his/her profile	The profile page has to be displayed. The edit profile functions should be activated. The edit profile page is displayed.		The user's information on the website is up to date.
TC-08	US-08	The user can add/edit/delete his/her billing information	The profile page should be displayed. The edit billing information function should be activated. The edit billing information page is displayed.		The user's billing information is up to date.
TC-09	US-09	The user can save an item presented on the website to a list of his/her favourite items	The save to favourites function should be activated.		The user can easily review those chosen items later.
TC-10	US-10	The user can add a certain item to his/her shopping bag	The add to shopping bag function should be activated.		The user can buy it later

TC-11	US-11	The user can remove items from the list with favourite items	The list of favourite items is displayed.		The user can review only items that I want.
TC-12	US-12	The user can remove items from his/her shopping bag	The shopping bag is displayed. The shopping bag should not be empty or no action is going to occur.		The user doesn't have to buy items I do not want.
TC-13	US-13	The user can proceed to order the items in his/her shopping bag	The ordering page is displayed.		The user can buy the items.
TC-14	US-14	The user can choose his/her payment method	The data constraints about the ordering up till now should be completed. The payment methods are displayed on the page.		The user can proceed with my order
TC-15	US-15	The user can finish his/her order	The data constraints about the ordering up till now should be completed. An email is sent to the e-mail the customer has provided.		The user can receive the items I have ordered.
TC-16	US-16	The user can stop the ordering during the filling of information	The ordering process is stopped.		The user can add/remove items from his/her order.
TC-17	US-17	The user can reach to the Sales manager and cancel his/her order	An order has been made. The customer sends an email to the Sales manager with the information about the order.		The user does not have to pay and receive items the user doesn't want.

TC-18	US-18	The user can log out of his/her profile			The user can end his/her visit on the website
TC-19	US-19	The community manager can change the status of a user's profile.	The change status function is activated. The community manager chooses and saves the updated status of the chosen profile.		The manager can perform his/her job.
TC-20	US-20	The sales manager can view the products present in the database	The page with all products is displayed. The filter for the different products status is displayed.		The manager can perform his/her job.
TC-21	US-21	The sales manager can change the status of a product	The change status function is activated. The page for changing product status is displayed.		The manager can perform his/her job.
TC-22	US-22	The sales manager can edit the description of a product	The page showing the product is displayed.		The manager can perform his/her job.