

FINAL PROJECT TESTING

MYPROTEIN

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WWW.MYPROTEIN.RO



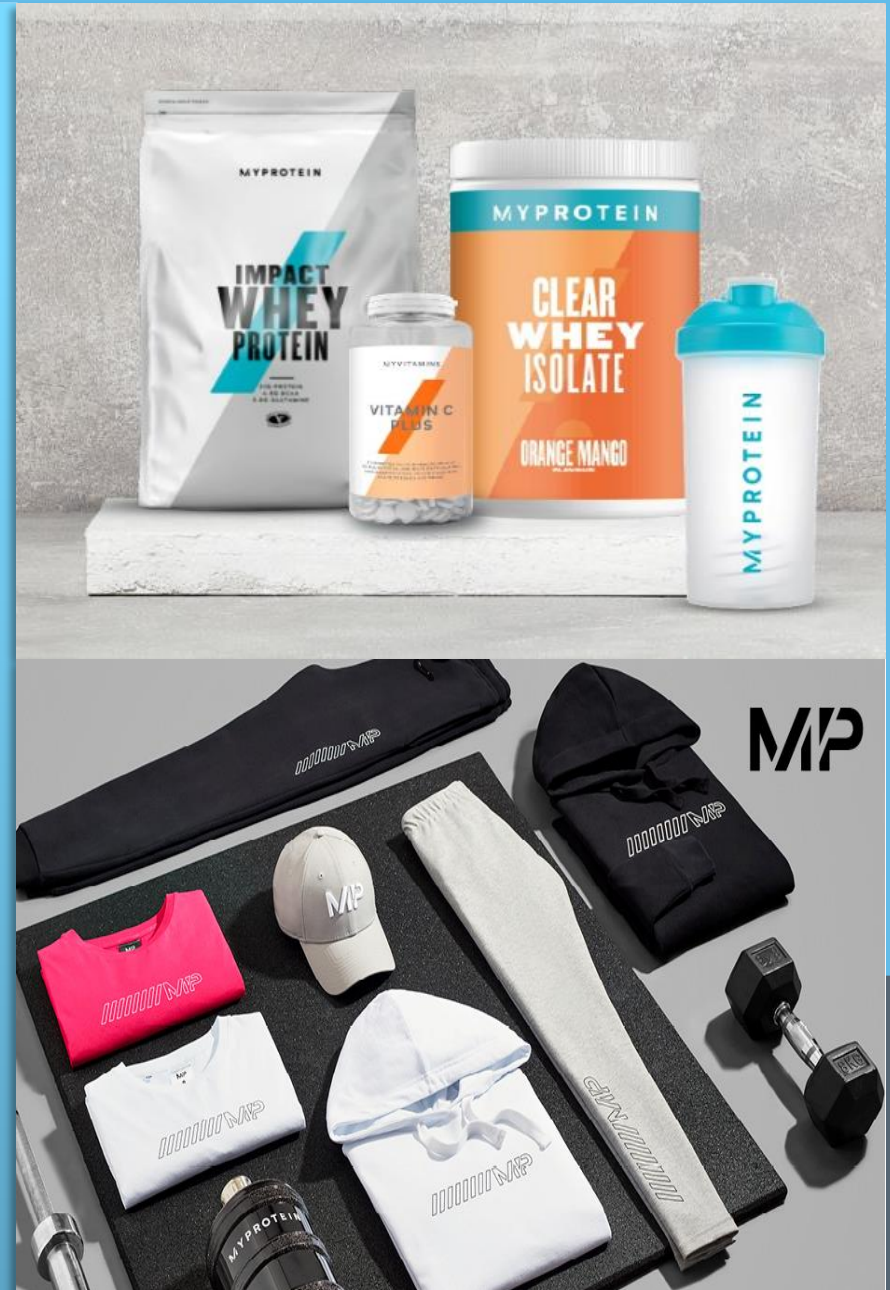
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- “Thank you !”



MYPROTEIN

- Web application
- Online store that delivers quality products in over 70 countries.
- Founded in 2004, Myprotein is now Europe's No. 1 sports nutrition brand.

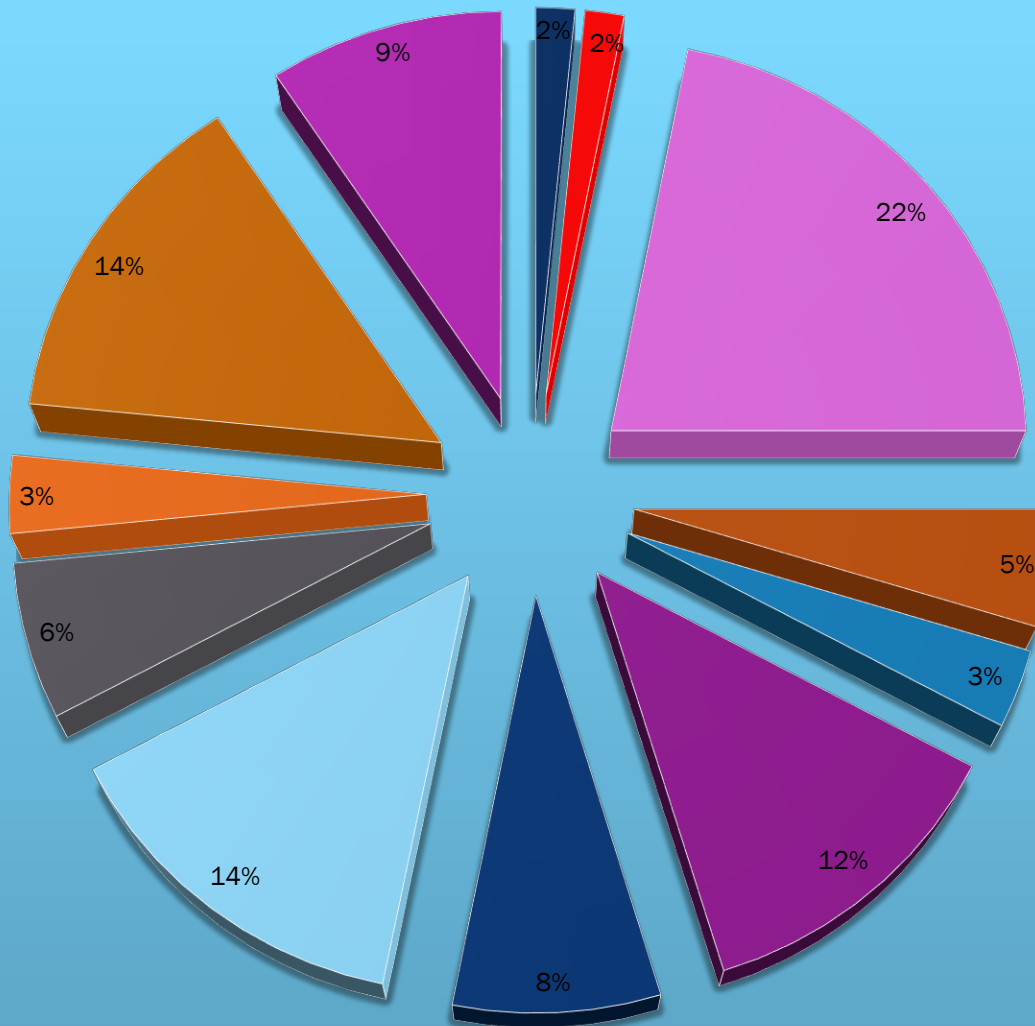


TESTING APPROACH

- Mind Map: to determine the structure and to learn the application.
- Smoke testing for the main functionalities: Homepage, Settings, Account, Search Bar, Category, Products, Add to Cart, Shopping Cart, Checkout, Shipping, Footer.
- Exploratory testing performed for: Homepage, Category, Account, Products, Search Bar and Shopping Cart. The bugs found were documented and screenshots were taken for easier replication.
- Component testing, Integration testing, Negative testing, Compatibility, UI, Usability, Boundary, Equivalence partitioning.
- Write Smoke test cases and execute them.
- The app was tested in production.
- Write test report.

TEST CASE OVERVIEW

64 Test Cases



- Homepage: 1
- Settings: 1
- Account: 14
- Search Bar: 3
- Category: 2
- Products: 8
- Add to Cart: 5
- Shopping Cart: 9
- Checkout: 4
- Shipping: 2
- Footer: 9
- Non Functional: 6

TESTING TYPES

PERFORMED

- Functional testing
- Smoke testing
- Exploratory testing
- Positive Testing
- Negative testing
- Compatibility testing
- Usability testing

APPLICABLE

- Performance testing
- Security testing
- API automated testing
- UI automated testing
- Stress testing
- Load Testing

TOOLS USED

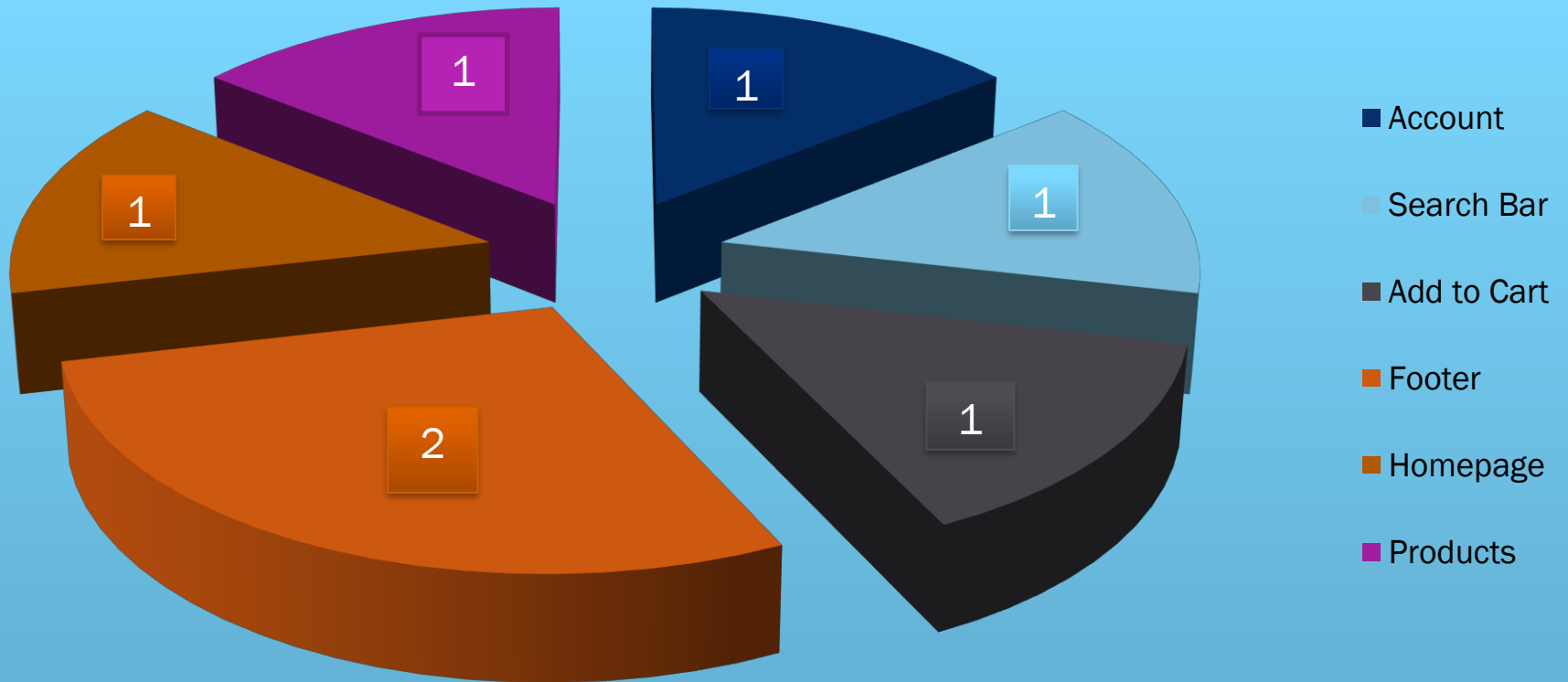
- Xmind – Mind Maps
- TestLink – Test case management
- Mantis Bug Tracker – Bug reporting
- QuickTime Player – Screen recording
- Excel – Test data
- Visual Studio Code – JavaScript
- Cypress – Automated testing
- Postman – API testing



TEST CASES RESULTS

Functionality	Total	Pass	Failed	Blocked	Not Run	Defects
Homepage	1	1	0	0	0	
Settings	1	1	0	0	0	
Account	14	13	1	0	0	0031599
Search Bar	3	2	1	0	0	0031574
Category	2	2	0	0	0	
Products	8	8	0	0	0	
Add to Cart	5	4	1	0	0	0031852
Shopping Cart	9	9	0	0	0	
Checkout	4	4	0	0	0	
Shipping	2	2	0	0	0	
Footer	9	7	2	0	0	0031575, 0031576
Non Functional	6	3	0	0	3	
Overall Results	64	56	5	0	3	5
Percentge	100%	87.5%	7.8%	0%	4.7%	7.8%

BUGS OVERVIEW



UI TESTS

Chrome is being controlled by automated test software.

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cypress/integration/MyProtein.spec.js

▼ Product menu

✓ Search bar > Special character

▼ BEFORE EACH

1	visit	https://www.myprotein.ro/
▶	(xhr)	● POST 200 /v1/publisher:getC... 2
	(xhr)	● POST 200 /j/collect?v=1&_v=j88&a=...
	(xhr)	● POST 200 /j/collect?t=dc&aip=1&_r...
	(xhr)	● POST 200 /j/collect?v=1&_v=j88&a=...
	(xhr)	● GET 200 /ro_RO/RO/RO/sessionSe...
	(xhr)	● POST 200 /j/collect?t=dc&aip=1&_r...

Chrome is being controlled by automated test software.

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cypress/integration/MyProtein.spec.js

▼ Product menu

✓ Add a product to the cart

▼ BEFORE EACH

1	visit	https://www.myprotein.ro/
▶	(xhr)	● POST 200 /v1/publisher:getC... 2
	(xhr)	● POST 200 /j/collect?v=1&_v=j88&a=...
	(xhr)	● POST 200 /j/collect?t=dc&aip=1&_r...
	(xhr)	● POST 200 /j/collect?v=1&_v=j88&a=...
	(xhr)	● GET 200 /ro_RO/RO/RO/sessionSe...
	(xhr)	● POST 200 /j/collect?t=dc&aip=1&_r...

▼ TEST BODY

Chrome is being controlled by automated test software.

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cypress/integration/MyProtein.spec.js

▼ Product menu

- ✓ Testing login with bad data
- ✓ Testing login with bad data
- ✓ Testing login with bad data

Not Secure | myprotein.ro/_/#/tests,

Chrome is being controlled by automated test software.

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cypress/integration/MyProtein.spec.js

▼ Product menu

- ✓ Testing login with good data

▼ BEFORE EACH

1	visit	https://www.myprotein.ro/
▶	(xhr)	● POST 200 /v1/publisher:getC... 2
	(xhr)	● POST 200 /j/collect?v=1&_v=j88&a=...

API TESTS

The screenshot displays the Postman API client interface. The top navigation bar includes 'Home', 'Workspaces', 'Reports', and 'Explore', along with a search bar labeled 'Search Postman'. The left sidebar shows the 'My Workspace' section with icons for Collections, APIs, Environments, Mock Servers, Monitors, and History. The main panel is divided into two sections: a list of API endpoints on the left and a detailed view of the selected endpoint on the right.

API Endpoints List:

- GET Myprotein Homepage
- POST Create account
- GET Login
- GET Search Vitamine
- GET Decrease quantity in the cart
- GET Empty the cart

Selected Endpoint: GET Myprotein Homepage

URL: <https://www.myprotein.ro/?countrySelected=Y>

Test Results:

Test Name	Result
Status code is 200	Pass
Response time is less than 600ms	Pass
Body is correct	Pass
Body matches string	Pass

Selected Endpoint: POST Create account

URL: <https://www.myprotein.ro/accountCreate.account>

Test Results:

Test Name	Result
Status code is 200	Pass
Response time is less than 600ms	Pass
Body is correct	Pass
Body matches string	Pass
Successful POST request	Pass

Selected Endpoint: GET Login

URL: <https://www.myprotein.ro/elysiumAuthentication.login> / Login

Test Results:

Test Name	Result
Response time is less than 800ms	Pass

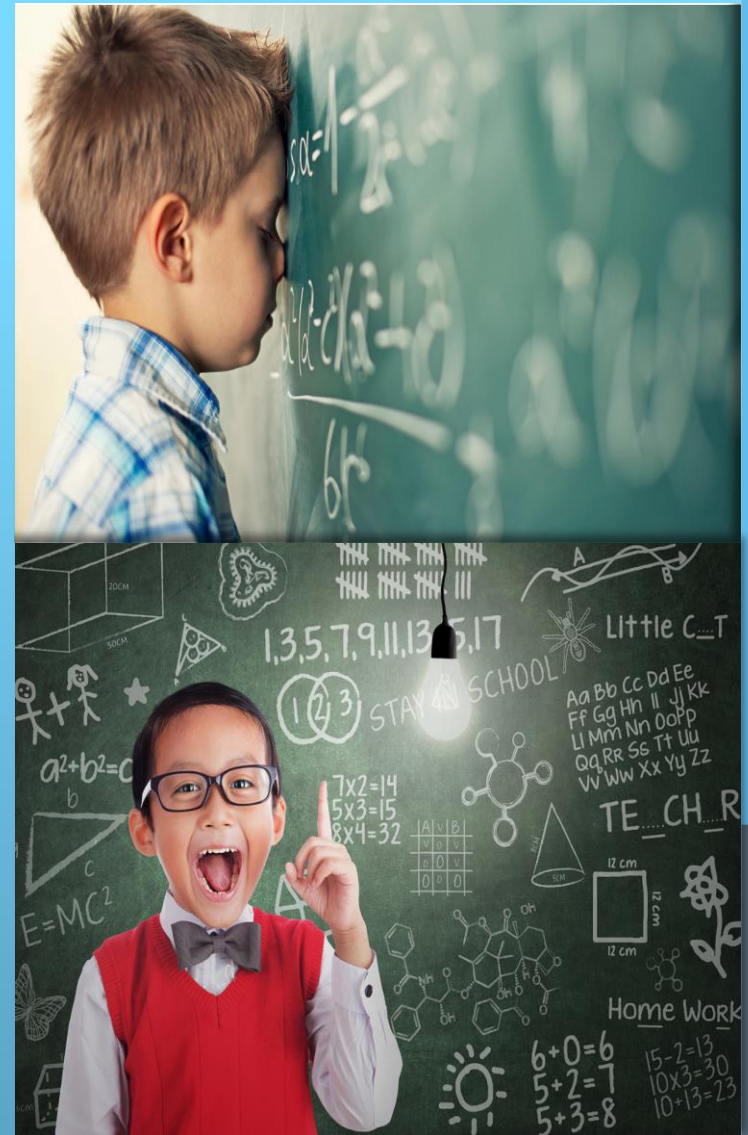
CONCLUSIONS

- 64 Test Cases were executed: 56 passed, 5 failed and 3 not run.
- 8 Automated Tests were written and executed: 5 passed and 3 not run.
- The tests not run were due to the app being in production.
- 7 low-priority bugs were discovered.
- The data type used for testing: Valid, Invalid, Blank.
- Most of the bugs were identified while testing the boundaries and while performing negative testing.
- Prior to release, the failed test cases should be run again.
- Considering that no critical or major bugs were found, the app can be used without any problems.

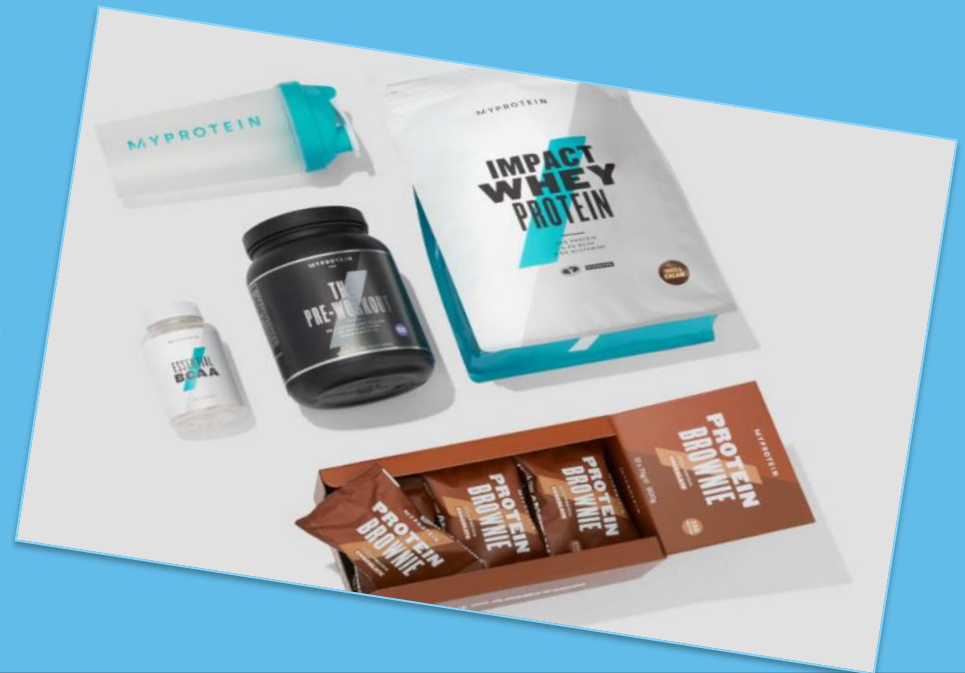


LESSONS LEARNED

- Lack of requirements.
- Understanding the main purpose of the app helps in writing test cases.
- Don't delete your drafts.
- Put yourself in the user's shoes.
- Time management is very important.
- Start with the mind map
- Exploratory testing helps to learn the app functionalities.
- Focus on main functionalities but don't neglect the smaller features.
- Tell yourself "I am doing the best job in the world as I am helping in improving something".



THANK YOU !



FEEDBACK

RECOMMENDATIONS

