Final TRR (14.03.2023)

Test result report

Profiler 2.0 (Authorization form, Personal cabinet, CV pages 1-3)

05.02.2023-14.03.2023

<u>Test team:</u>

#	Project Role	Name	Responsibilities
1	QA engineer	Andrei Barycheuski	Test cases creation, Tests execution, Bug reporting, Bug confirmation, Regression testing, Test result reporting, Requirements testing
2	QA engineer	Ekaterina Zavizion	Test cases creation, Tests execution, Bug reporting, Bug confirmation, Regression testing, Test result reporting, Requirements testing

<u>Testing process description:</u>

Test environment:

Application was tasted in latests versions of browsers on the following devices:

- Chrome (Windows 10, 64-bit)
- Opera (Windows 10, 64-bit)
- Firefox (Windows 10, 64-bit)
- Microsoft Edge (Windows 10, 64-bit)
- Safari (Mac OS Monterey, VMbox, Iphone 12 Pro)
- Yandex Browser (Windows 10, 64-bit)
- Samsung Browser (Xiaomi Redmi Note 9, Android 10)
- Android Browser (Xiaomi Redmi Note 9, Android 10)

Test Level: System testing

Test types used: Functional (smoke, critical path, extended) testing, GUI testing, API testing, compatibility testing, confirmation testing, regression testing.

For sprints the following stories were selected:

Sprint	Stories
Sprint 1	1 story • Development of user authorization in the system PROF2022-99
Sprint 2	2 stories • Navigate to the main blocks using the navigation menu (US 1.3) PROF2022-375; • Filling in the block "Personal details" PROF2022-379
Sprint 3	5 stories • Go to the page "Personal cabinet for student" (US 1.1) PROF2022-342; • Go to the page "Personal cabinet for student" the second and more times (US 1.1) PROF2022-343; • Go to the first page of CV using menu item "My CV" (US 1.4) PROF2022-377; • reating a user notification (US 1.10) PROF2022-509; • Message when clicking on Cancel (US 1.9) PROF2022-508

Sprint 4	17 stories • Adding photo in personal cabinet (backend) PROF2022-374; • Changing photo in personal cabinet (backend) PROF2022-438; • Deleting photo in personal cabinet (backend) PROF2022-439; • Adding photo in personal cabinet (frontend) PROF2022-881; • Changing photo in personal cabinet (frontend) PROF2022-883; • Deleting photo in personal cabinet (frontend) PROF2022-884; • Adding a photo (the first page "CV") PROF2022-832; • Change photo (the first page "CV") PROF2022-833; • Delete photo (the first page "CV") PROF2022-834; • Go to the first page "CV" PROF2022-827; • Filling in the personal information (the first page "CV") PROF2022-828 • Editing the personal information (the first page "CV") PROF2022-829; • Clearing Personal Information (the first page "CV") PROF2022-830; • Advice on filling in (the first page "CV") PROF2022-835; • Saving the personal information and photo (the first page "CV") PROF2022-831; • Improving the field Position (Personal cabinet) PROF2022-862; • Messages when did not click on the save button,but pressed the navigation menu tab or log out (Personal cabinet) PROF2022-863
Sprint 5	15 stories • Go to the second page of CV "Contacts" PROF2022-870; • Editing contact information (the second page of CV) PROF2022-872; • Saving contact information (the second page of CV) PROF2022-874; • Back to the personal cabinet (the second page of CV) PROF2022-878; • Deleting photo in personal cabinet (backend) PROF2022-439; • Adding photo in personal cabinet (backend) PROF2022-374; • Editing the personal information (the first page "CV") PROF2022-829; • Deleting photo in personal cabinet (frontend) PROF2022-884; • Log out (the first page "CV") PROF2022-837; • Back to the personal cabinet (the first page "CV") PROF2022-838; • Filling in contact information (the second page of CV) PROF2022-871; • Clearing contact information (the second page of CV) PROF2022-873; • Log out (the second page of CV) PROF2022-877; • Advice on filling in (the second page of CV) PROF2022-875; • Delete photo (the first page "CV") PROF2022-834
Sprint 6	11 stories • Go to the third page, filling in and saving the information on the third page of CV PROF2022-1331; • Editing the information on the third page PROF2022-1332; • Clearing the information on the third page PROF2022-1333; • Changing Advice on filling in when navigating through the lines PROF2022-1335; • Back to the previous page with help the button Back PROF2022-1334; • Creating the one draft of CV in Personal cabinet PROF2022-1411; • Improving the functioning of the field "Code" in the "Personal cabinet" PROF2022-1410; • Using the button Tab (the first page "CV") PROF2022-836; • Using the button "Tab" (the second page of CV) PROF2022-876; • Using the button Tab on the third page CV PROF2022-1336; • Using the navigation menu for page transitions (1-2) PROF2022-879

All functions had to be tested with no exceptions. Samsung and Android browsers were excluded from tests runs on CV pages 1-3, because adaptivity of CV pages on mobile devices was not supposed by requirements.
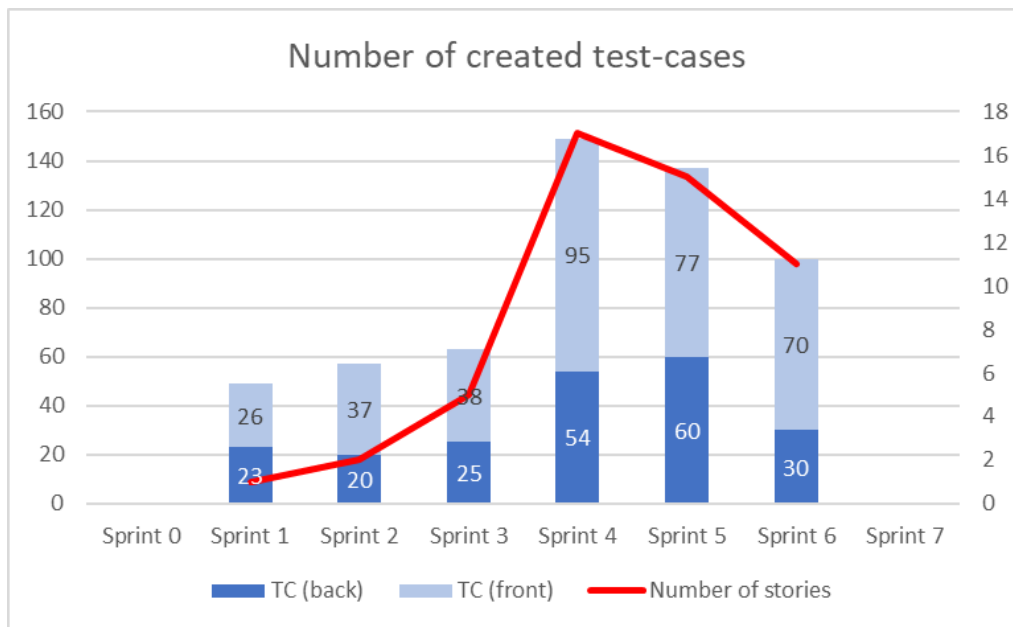
All tests were created based on customer requirements using black-box testing techniques. Coverage of requirements with tests, see at summary.

All tests performed manually. Execution details see at this paper.

Summary:

For the reporting period, the following **tasks were done**:

1. Test cases creation. 555 tests were created, including 212 tests for back-end and 343 tests for front-end.
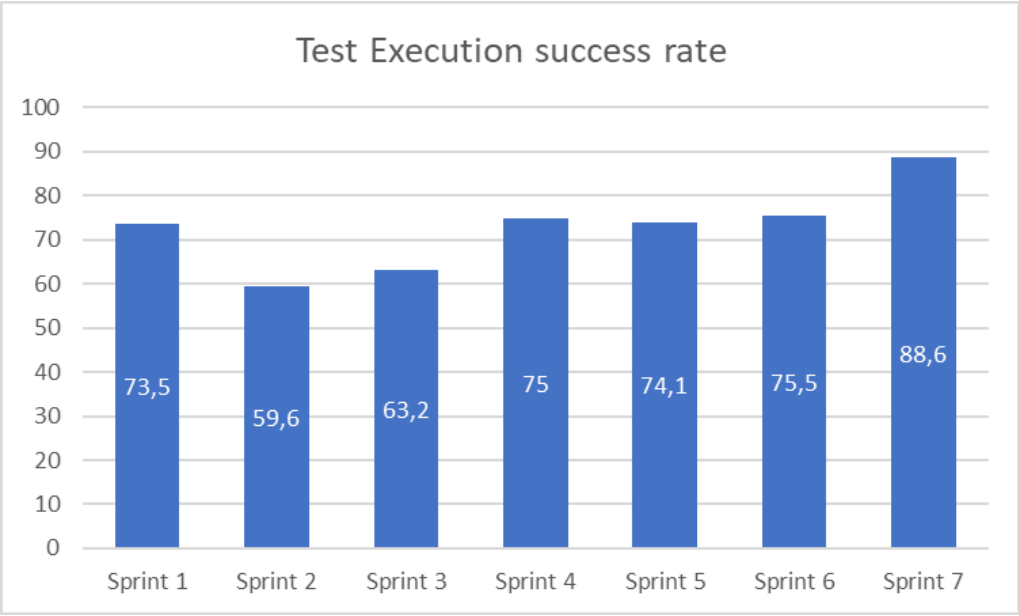
Number of created test-cases

Requirements coverage - 100%

See **traceability matrix**

2. Test-cases execution. Test execution was divided in 7-12 test runs in each sprint. All planned tests were executed manually.

The information on tests execution process is in the following table

Test Plan	Test Executions		Number of tests						Progress	Success Rate
	Number of test runs	Number of Tests in test runs	TOTAL	PASS	TODO	EXECUTING	FAIL	BLOCKED		
Sprint 1	12	141	49	36	0	0	13	0	100%	73.5%
Sprint 2	12	166	57	34	0	0	23	0	100%	52,6%
Sprint 3	9	181	57	36	0	0	17	4	100%	63.2%
Sprint 4	7	306	124	93	0	0	22	9	100%	75%
Sprint 5	9	383	162	120	0	0	39	3	100%	74.1%
Sprint 6	7	231	94	71	0	0	23	0	100%	75.5%
Retest	9	220	73	59	0	0	11	3	100%	80.8%
Regression	9	278	76	73	0	0	2	1	100%	96.1%

Test Execution success rate

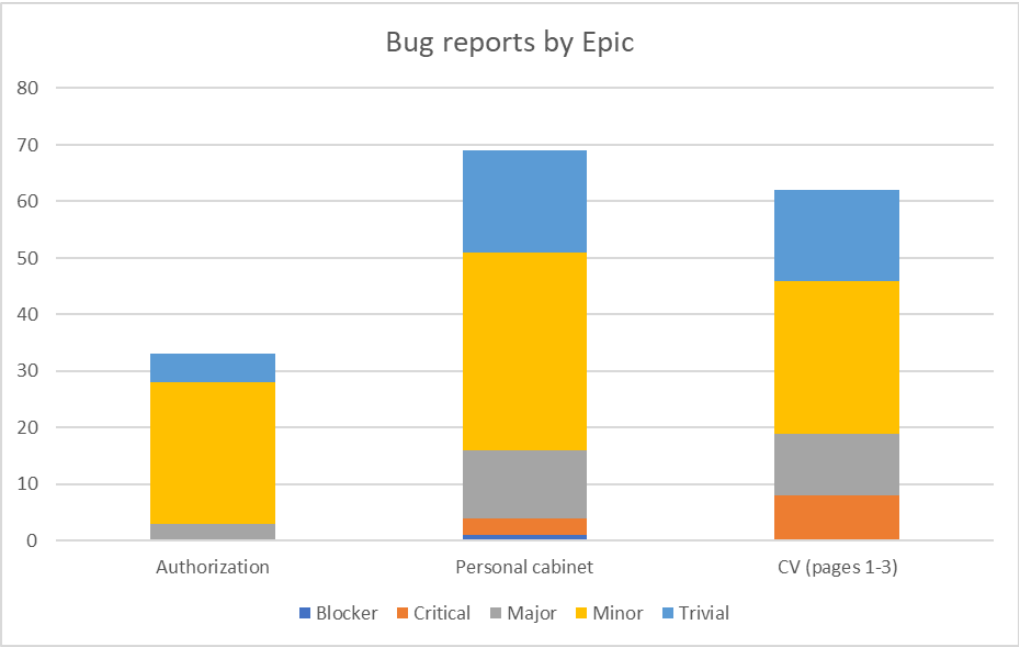|	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5	Sprint 6	Sprint 7
Value	73,5	59,6	63,2	75	74,1	75,5	88,6

Test Status: Above Medium

Test Analysis: All QA tasks are finished.

The number of tests with status failed seams to meet the average number for this stage of project. Success rate is 75,4% (522 of 692 tests are passed)

1906 tests executions revealed 171 bugs, including 1 blocker and 11 critical priority. Bugs priority is mostly minor and trivial.

Bug reports by Epic
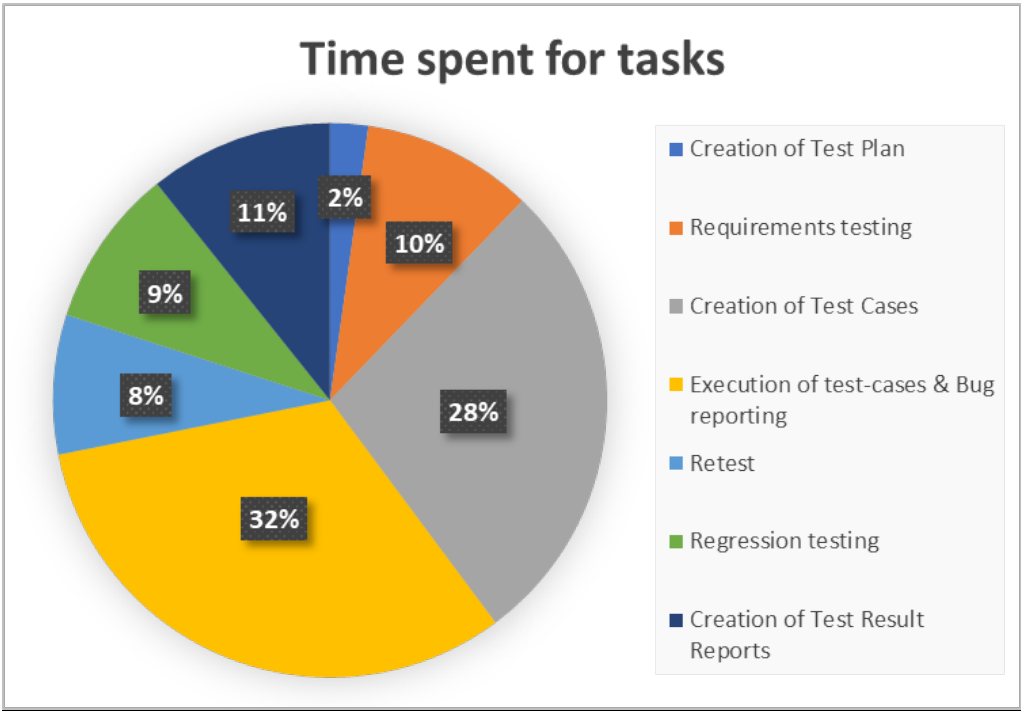
Legend: Blocker, Critical, Major, Minor, Trivial

All bugs by Components

Components	🛑 Blocker	🔺 Critical	⏫ Major	⏬ Minor	⭕ Trivial	T:
Back-end	0	5	5	22	11	43
Front-end	1	6	21	70	30	128
Total Unique Issues:	1	11	26	92	41	171

Problems: There were problems with late deploy of new features, great increase in number of bugs with critical and major priority, refactoring tasks executed by development team.

Risks: Abovementioned problems had a risk for PROD deployment delay.

Testing timetable:

Task	Members	Time spent, man-hours
Creation of Test Plan	QA engineers	12
Requirements testing	QA engineer	54
Creation of Test Cases	QA engineer	149
Test cases Execution & Bug reporting	QA engineer	173
Retest	QA engineer	44
Regression testing	QA engineer	50
Creation of test result reports	QA engineer	58
Total		**540**

Recommendations:

It is recommended to new Team to pay attention to open bugs.

All bugs statistics:

Status	Quantity	Priority				
		Blocker	Critical	Major	Minor	Trivial
Submitted	171	1	11	26	92	41
Fixed	136	1	10	22	75	28
Closed & Blocked	20	0	1	3	9	7

| To do | 15 | 0 | 0 | 1 | 8 | 6 |