

GO

IT

Software Testing Specialist Course Final Project



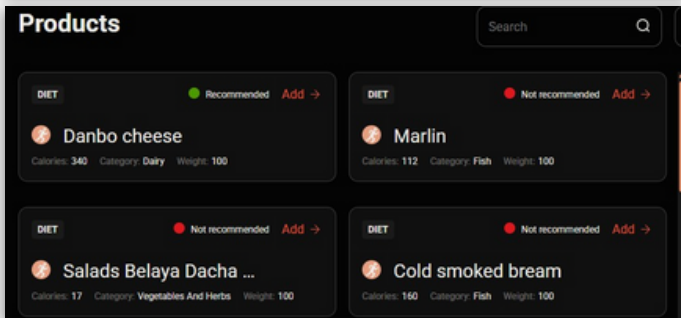
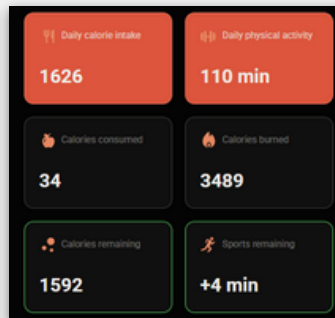
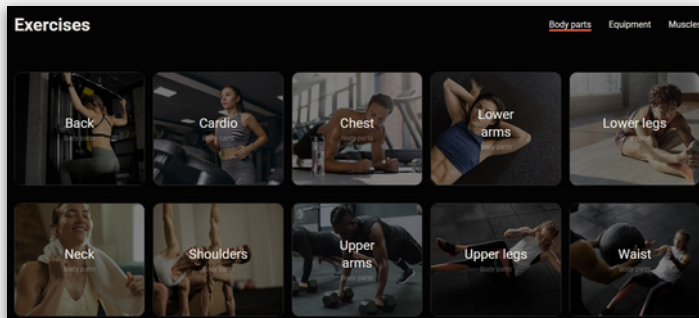
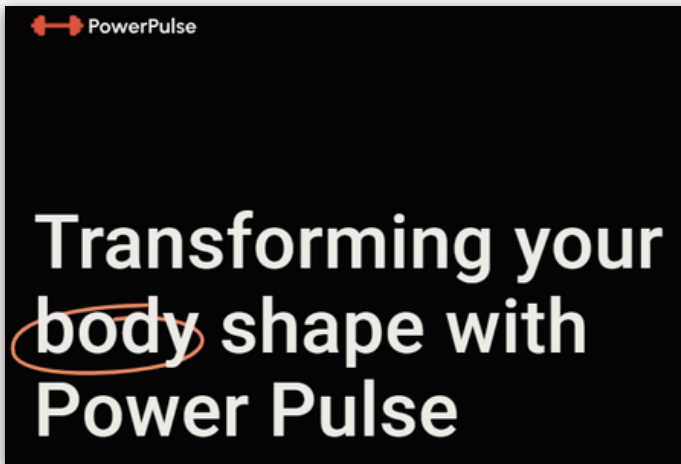
BUGBUSTERS
QA TESTING TEAM

PROJE

The **BugBusters** team has chosen to test the web application called **PowerPulse** among the alternatives offered within the scope of the project.

This application, which allows users to record their daily food consumption and calorie expenditures calculated based on the suggested exercises, was manually tested through the user interface with a focus on core functionalities between June 12–24, 2025.

The project team, which started with nine members, continued with seven members after two of them left.



BUGBUSTERS EKİBİ



Handan Çileli
Team Lead & QA



Damla Patterson
Scrum Master & QA



Begüm Dökmetaş
QA Engineer



Dilan Balaman
QA Engineer



Merve Gamze Bal
QA Engineer



Musa Eren Tanrıöver
QA Engineer



Nuray Elmas
QA Engineer

SÜREÇ

The team's project work began with a kick-off meeting held on June 12, during which the Team Lead and Scrum Master were selected, and the initial steps to be taken as well as the time for daily meetings were determined.

While the Team Lead began working on the Test Plan, the Scrum Master created two boards on Trello to assign the 34 requirements listed in the project documentation and the 21 API requests provided in Swagger to the team members. On the board named Task Assignment, a separate list was created for each team member, under which the tasks they were responsible for were added as cards. Team members reviewed their tasks on this board and then moved their cards to the BugBusters Project board according to the status of the tasks.

The Project Board contains the following lists: Backlog, In Progress, Done, API Tests, API Bugs, Bug Reports, and Static Tests.

During the daily meetings held at 8:00 PM, team members shared the tests they conducted that day, the tasks planned for the following day, and any issues they encountered, ensuring a smooth flow of information within the team.

Throughout the project, the BugBusters team maintained regular communication via Slack and collaborated with the Team Lead and other team members when issues arose.

Solutions were developed through a combination of one-on-one meetings and team brainstorming sessions, demonstrating effective teamwork and cooperation.

The biggest challenge encountered during the project was the imbalance in workload caused by the departure of team members after the task distribution had been completed and work had already begun.

TASK DISTRIBUTION

#	Team Member	Requirement ID	API Requests
1	Dilan Balaman	1-2-3-4-5 18, 25	POST /users/register GET /users/verify/{verificationToken}
2	Begüm Dökmetaş	5.1-5.2-6-6.1-6.2 16, 26 (1/2)	POST /users/verify POST /users/login DELETE /diary/exercises/{exercisesId}
3	Gamze Merve Bal	7-8-9-10-10.1 17	POST /users/changePassword PATCH /users/changePassword/{verificationToken}
4	Handan Çileli	11-12-13-14	POST /users/logout GET /users/current DELETE /diary/products/{productId} POST /diary/exercises PATCH /users/avatar GET /exercises GET /exercises/types
5	Mert Dörtkol	15-16-17-18	GET /profileSettings
6	Nuray Elmas	21-22-23-24 15, 26(2/2)	PUT /profileSettings POST /profileSettings
7	Murat Faruk Demirer	25-26-27-28	GET /exercises GET /exercises/types
8	Musa Eren Tanrıöver	29-30-31-32	GET /products GET /products/category
9	Damla Patterson	19-20-33-34 27, 28	GET /diary POST /diary/products

*Tasks Transferred from Departed Members

PROJECT DOCUMENTATION

In addition to the Trello board, the following documents were prepared to record the data obtained throughout the project:

- **Test Plan**
- **Test Report**
- **Bug Report List**

Bug reports are documented in detail as cards within the Bug Reports list on the Trello project board.

A summary of the tests performed is provided in the table below:

Item	UI	API	Static	Total
Test Cases	351	53	6	410
Passed Tests	291	45	0	336
Failed Tests	60	8	0	68
Bug Reports	60	8	0	68

TEST TYPES AND TOOLS

Test Levels

- System Testing

Test Types

- API Testing (Postman, Swagger)
- UI Testing
- Functional / Non-functional Testing
- Exploratory Testing
- Static Testing
- Error Guessing

Devices & Tools

- Windows 11 Version24H2 (Chrome v127, Opera v110, Edge v 137)
- macOS Sequoia Version 15.1.1 (Safari, Chrome v127, Opera v110)
- Android 13 (Chrome)
- iOS 18 (Safari)
- Trello, Postman, Swagger, Responsively, JWT



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Thank You!