WEEKLY REPORT #3

Project
WEB scraper for online stores
Team Members
Nikita Ruchkin (n.ruchkin@innopolis.university)
GitHUB
https://github.com/reterman/test_project.git

## PART 1: BRIEF DESCRIPTION OF THE PROJECT IDEA

A price comparison tool that uses web scraping to gather pricing information from various online retailers for a specific product, and provides the user with a side-by-side comparison of the prices, allowing them to save money and make informed purchasing decisions. The tool can also provide notifications and alerts when the price of an item drops below a certain threshold.

PART 2: WEEKLY SPRINT

2.1. Workload distribution among team members

Since I am the only participant in my team, I performed every part of the project development on my own.

During the week, I spent a total of 4 hours on the second sprint.
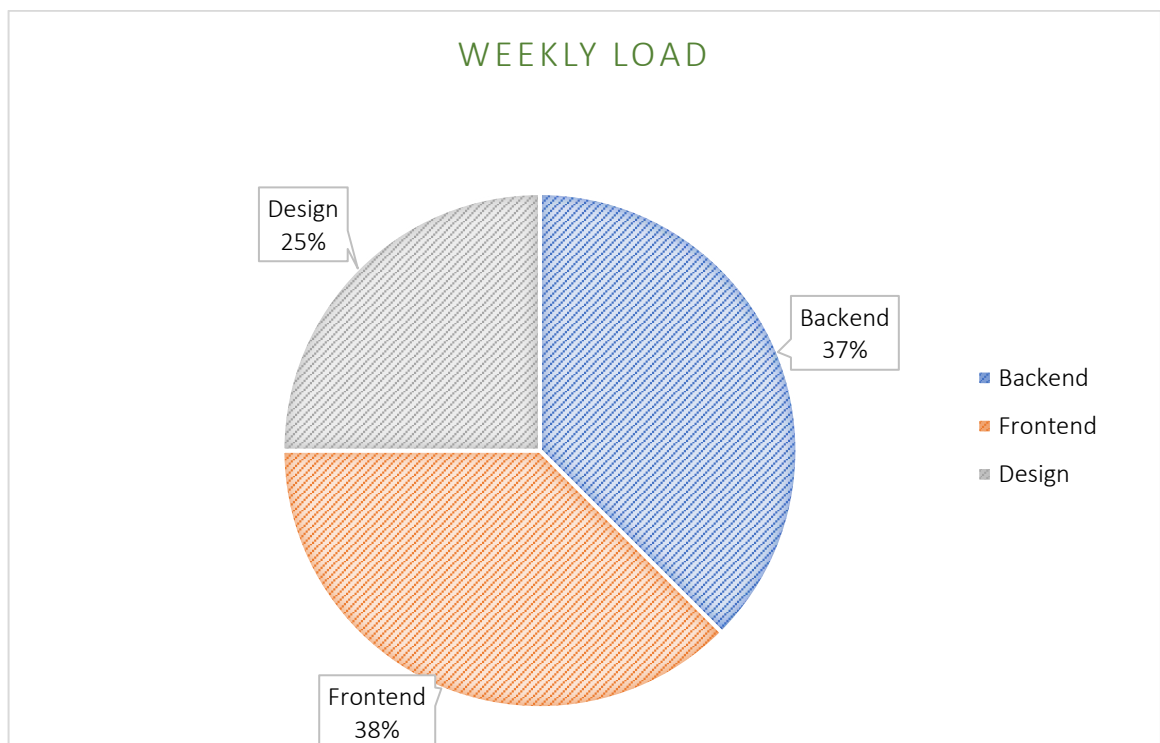
2.2. Weekly tasks

#	Brief description	Hours spent
#1	Added a second marketplace from which the scraper searches for product data (KazanExpress.ru)	1

#2	Improved product search time	0,5
#3	Made buttons for sorting products	1,5
#4	Finalized the website design	1

2.3. Detailed description of the tasks

#1 Added a second marketplace from which the scraper searches for product data (Ozon.ru)

Through the study and analysis of dynamic css-classes, I discovered a constant pattern in their name. Thanks to this vulnerability, I was able to compose an expression by which I managed to get the necessary data about each product with KazanExpress.ru

#2 Improved product search time

Reduced the waiting time for loading sites to a minimum value.

#3 Made buttons for sorting products

For the convenience of users to search for the necessary product, added the ability to sort the products found by price and rating.

#4 Finalized the website design

Changed the design of the component components, making them more attractive and understandable for users.

PART 3: AN OBSTACLE THAT OCCURRED DURING THE SPRINT

#1 Lack of adaptation of the site for different device formats.

PART 4: THE MAIN TASKS FOR THE FOLLOWING SPRINTS

#1 To increase the number of used marketplaces.

#2 Improve the visual component of the site content.

#3 Optimize the work, to increase the speed of issuing product cards.

#4 Adapt the site to different formats of device screens.