



**PATİKA.DEV & HEPSİBURADA  
FRONTEND BOOTCAMP  
REACT.JS**

## **HEPSİBURADA “SEARCH PAGE”**

**PATİKA.DEV 122 - HEPSİBURADA FRONTEND BOOTCAMP  
GRADUATION PROJECT**

**ATTENDEE**  
**Şeyda Nur DEMİR**  
**12 10 44 042**

**INSTITUTION**  
**Patika.dev**

**SPONSOR**  
**HepsiBurada**

**İSTANBUL, 2021**

# 1. DESCRIPTION

You should develop a **search page** for Hepsiburada Online Shopping Website.

## REQUIREMENTS

### Search

- After entering two characters in the search box, the search should begin. In cases where the search phrase is less than two characters, the search should not occur.
- The search should be according to the product name and the display page should show products containing the relevant search term.

### Filter

- The contents of the color and brand filters should be fed from the product data you created and all the colors and brands in it should be listed here. It should also write how many pieces there are.
- When the user filters a brand or color, the relevant products should be displayed in the listing section and the filters should be recalculated according to the products brought. If a glazing has been done before, this preference should be preserved. Clicking on a selected filter should remove that filter.
- The sorting filter should be applied on the currently listed products. In the design, there are 2 sequencing components, one on the left and one above. When either one is selected, the active state of the other should be updated. (For example, when a sorting filter is selected from the left side, the active state of the component in the select box view above should change)
  - Lowest Price
  - Highest Price
  - Most Recent (A>Z)
  - Most Recent (Z>A)

### Cart

- The number of baskets in the product should be displayed on the basket. This number should be updated whenever items are added to or deleted from the cart.
- The same product should not be added to more than one cart. If a product has been added to the cart before, the add to cart button of that product should be disabled.
- When the cart component is hovered, the products added to the cart should be displayed and sorted according to the date they were added to the cart. A warning and confirmation message should appear when the product is deleted from the basket, and after the user approves, the product should be deleted from the basket.

## Pagination

- If the number of products on the list page is more than 12, it should be divided into pages with paging and there should be 12 products on a page.
- When the application is opened for the first time, paging must be operable for the data you create. For this, you must create at least 36 products. Paging should work dynamically according to the number of products.

## Product and Cart Data

- The data model of the products should be created by the candidates after the design details and the document are analyzed.
- Product data must be created by the candidate and must be available the first time the application runs. Candidates who will not do the bonus work should keep the product data in local storage, and the candidates who will do the bonus work should keep the product data in the Backend API as in-memory. Basket data should always be kept in local storage.

## Bonus Part

- In order to perform search, product filters, sorting and product listing of the application developed on the client side, a backend API should be developed and communicated with the backend API developed with the client application.
- The backend API to be developed can be developed in Node.js or any other preferred programming language.
- Product data should be kept as in-memory in the developed backend API.
- Basket data should continue to be kept in local storage. If necessary, the detailed information of the products in the basket can be provided by the backend API.

## 2. RESTRICTIONS

- It is obligatory to meet the above-mentioned criteria.
- Work should be developed using React, Redux (or Context API) libraries.
- Unit tests of the developments made for the study should be written. Projects that do not include unit tests will be evaluated negatively.
- The quality and readability of the written code is important.
- While developing the work, CSS or React (UI) Library should not be used.
- When the application is opened for the first time, the data that you will create about the product list and basket must be saved in the Local Storage layer. (Candidates who want to do the bonus work can review the requirements for the product list under the Bonus title.)
- The fact that the developed application or applications can work in containers (containerization) and including it in the documentation will make an extra contribution during the evaluation.
- A documentation should be prepared to state the application's requirements, build, run and, if any, your assumptions.

### 3. SUBMISSION

- You should create a **private repo** on our bootcamp Github organization and submit your project files there.
- You should deploy your application to an online server such as **netlify**, **now.sh**, **surge.sh**.
- You must create **Readme** file for your project.
- You should submit your project due to **31.10.2021, Sunday, 11:55 PM**.
- You must develop your project using **React** and **Redux or Context API**.
- When the application is opened for the first time, the data you create about the Product List and Basket should be saved in the **Local Storage** layer.
- You can not use **CSS Framework** or **React UI Library**, you should write your **own style codes**.
- You need to follow this design in your project :  
<https://www.figma.com/file/Wr7Usgaisuz4BPiWM8kuly/Hepsiburada-React-Challenge>
- Your work is expected to be **pixel perfect**.

## 4. DONE

- ✓ Created react app.
- ✓ Used redux.
- ✓ Did not use css framework, used own css.
- ✓ Used javascript.
- ✓ Deployed on netlify.
- ✓ Written readme file.
- ✓ Prepared project report.
- ✓ Products displayed on the page.
- ✓ Products can be added to the cart.
- ✓ Cart has a counter that counts number of products added to the cart.
- ✓ Once a product added, "Add to Cart" button will be disabled.
- ✓ Products that added to the cart can be removed from the cart.

## **5. COULD NOT DO**

- ✖ I could not complete search, filter, pagination requirements.

# **END OF THE REPORT**

**UPDATED : Oct 31, 2021 Sunday 11:55 PM**

**ATTENDEE**  
**Şeyda Nur DEMİR**  
**12 10 44 042**

**INSTITUTION**  
**Patika.dev**

**SPONSOR**  
**HepsiBurada**

**İSTANBUL, 2021**