

# Challenge - NextJS

## Intro

Run **npm install** to install the required dependencies. One of which is, “json-server” which you previously used a few times. Check the db.json file to check which API endpoints you can access and use ajax to fetch the data from them.

After installing the dependencies, run:

**npm run server**

**npm run dev**

## Resources

- [http://localhost:5001/banner\\_content](http://localhost:5001/banner_content)
- [http://localhost:5001/about\\_page](http://localhost:5001/about_page)
- <http://localhost:5001/products>
- <http://localhost:5001/blogs>

- All the components which you should use are already created with just html skeletons in them, use those to show the data and write the functionalities only.

- Use pre-rendering to populate all the components and pages. (hint: `getStaticProps` & `getServerSideProps` or `getServerSideProps`).

## Components

### Components available globally:

- **Header** - the project's navbar.
  - Show the component on each route.
  - Use logic to determine which page you are currently on and highlight it with the active class.
  - Toggle the search on click.

- Make the search form inside the header redirect to the search page on submit. Also you should send the search query to it so you can filter out the blogs & products on that page.
- **Footer** - you don't have to do anything, just show it on each route.

### Components available on the homepage:

- **Banner** - the 1st section. Fetch data for the preTitle and title inside it from [http://localhost:5001/banner\\_content](http://localhost:5001/banner_content).
- **CategoryPicker** - When you click on one of these, they should lead to the shop overview page and filter the results immediately. Meaning, these should be filters for the products coming from the homepage.
- **FeaturedProducts** - the 3rd section. Fetch data for the products inside it from [http://localhost:5001/products/?\\_limit=4](http://localhost:5001/products/?_limit=4). Use the **ProductItem** component and lead to the product detail page for that product on click on it.
- **FeaturedBlogs** - the 4th section. Fetch data for the blogs inside it from [http://localhost:5001/blogs/?\\_limit=3](http://localhost:5001/blogs/?_limit=3). Use the **BlogItem** component and lead to the blog detail page for that blog on click on it.

### Components available on the about page:

- **PageTitle** - the 1st section. Use the page title as prop to make this component reusable and show it on other pages as well.
- **AboutContent** - the 2nd section. Fetch data for the title, first\_content, second\_content, third\_content, first\_image, second\_image, fourth\_content, fifth\_content and author inside it from [http://localhost:5001/about\\_page](http://localhost:5001/about_page)

### Components available on the shop overview page:

- **Filters** - the 1st section.
  - The filters should filter out the products by gender. There is also a search bar which should search through the products.. You can also filter by both of these.
  - Filter the results server-side.
  - Each time you filter you can use the following endpoints to get the data:

- <http://localhost:5001/products?q=belt>
- [http://localhost:5001/products?gender\\_like=man](http://localhost:5001/products?gender_like=man)
- [http://localhost:5001/products?gender\\_like=man&q=belt](http://localhost:5001/products?gender_like=man&q=belt)
- The “All Products” filter clears out both the gender filter and the search filter and shows all products below.
- Show a message that “there are no results” if you end up filtering with a combination that has no results.
- **Products List** - the 2nd section. Initially, fetch data for the products inside it from <http://localhost:5001/products>. Then use one of the api endpoints above to filter out the products.

### Components available on the shop detail page:

- **PageTitle** - the 1st section. Use the page title as prop to make this component reusable and show it on other pages as well.
- **Product Detail Data** - the 2nd section. Fetch data for the data inside it from [http://localhost:5001/products/\\*id-of-product\\*](http://localhost:5001/products/*id-of-product*)
- **Related Products** - the 3rd section. Show random four products here. Fetch data for the random four products using this url:  
[http://localhost:5001/products?\\_start=\\${randomNo}&\\_limit=4](http://localhost:5001/products?_start=${randomNo}&_limit=4)

### Components available on the blog overview page:

- **Filters** - the sidebar section.
  - The filters should filter out the blogs by category. There is also a search bar which should search through the blogs.. You can also filter by both of these.
  - Filter the results server-side.
  - Each time you filter you can use the following endpoints to get the data:
    - <http://localhost:5001/blogs?q=belt>
    - [http://localhost:5001/blogs?category\\_like=streetstyle](http://localhost:5001/blogs?category_like=streetstyle)
    - [http://localhost:5001/blogs?category\\_like=streetstyle&q=belt](http://localhost:5001/blogs?category_like=streetstyle&q=belt)
  - Show a message that “there are no results” if you end up filtering with a combination that has no results.

- **Blogs List** - the main section. Initially, fetch data for the blogs inside it from <http://localhost:5001/blogs>. Then use one of the api endpoints above to filter out the blogs.

### Components available on the blog detail page:

- **PageTitle** - the 1st section. Use the page title as prop to make this component reusable and show it on other pages as well.
- **Blog Detail Data** - the main section. Fetch data for the data inside it from [http://localhost:5001/blogs/\\*id-of-blog\\*](http://localhost:5001/blogs/*id-of-blog*)
- **Related Blogs** - the sidebar section. Show random three blogs here. Fetch data for the random three blogs using this url:  
[http://localhost:5001/blogs?\\_start=\\${randomNo}&\\_limit=3](http://localhost:5001/blogs?_start=${randomNo}&_limit=3)

### Components available on the search page:

- **PageTitle** - the 1st section. Use the page title as prop to make this component reusable and show it on other pages as well.
- **Results** - use the search query that you sent from the header form inside `getServerSideProps` on this page to search through the product & blog items. Show the results using the skeleton on this page You can search through the results by using these endpoints: <http://localhost:5001/blogs?q=belt> and <http://localhost:5001/products?q=belt> .

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## Evaluation system:

**1 point** – for making the Header functionalities and filling out the About page.

**3 points** – for filling out all the other pages.

**5 points** – if you did all of the above. Plus, make all the functionality for the filters/search on the Products and Blogs overview pages and search inside the header.

Deadline:

**Two** weeks after its presentation, 23:59h end of the day.