Project Objective

👉 The objective of this project is to design and develop a fully functional clone of Beyoung, a prominent online fashion brand. The Beyoung Clone will be a cutting-edge web application that offers users an exceptional shopping experience for affordable and stylish clothing, along with a range of accessories and lifestyle products.

👉 Through this undertaking, our goal is to immerse ourselves in the realm of e-commerce and digital retail by emulating the core features and functionalities of the Beyoung platform. By meticulously crafting the Beyoung Clone, we aim to gain a comprehensive understanding of web development technologies and methodologies. This journey will commence with grasping the essentials of HTML, CSS, and JavaScript, and will progress to the implementation of advanced tools like React, enabling the creation of a dynamic, responsive, and user-friendly interface.

BEYOUNG.

MEN   WOMEN   COMBOS   JOGGERS   SHOP THE LOOK   SHOP BY COLLECTION

NOT-SO ORDINARY
PYJAMA PANTS
[More Than Just a *Sleepwear*]

PICK ANY 3   ₹1599/-

₹500/- on

Get upto ₹500/- Cashback on Bajaj Pa

Project Context

👉Beyoung is a prominent and influential player in the Indian online fashion and lifestyle market, having left a substantial imprint on the industry. Renowned for its vast array of stylish and casual clothing, accessories, and lifestyle products catering to men, women, and children, Beyoung has garnered a devoted following among fashion-forward individuals, especially the youth, across the nation.

👉The aspiration of this project is to meticulously replicate the dynamic and engaging e-commerce website of Beyoung, offering users a shopping encounter akin to the original platform. By embarking on this ambitious endeavor, we endeavor to gain invaluable insights into the intricate challenges and multifaceted intricacies that underpin the development of a comprehensive e-commerce ecosystem. A primary emphasis of this undertaking will be the creation of an intuitive, user-friendly, and aesthetically pleasing user interface that aligns with the ethos of Beyoung.

Tech Stack Prerequisite: HTML, CSS, JavaScript, React

Project Steps

Step 01: Set up the project and UI design

👉 Create a new React project using the templates given.

👉 Organize the project directory structure, including subdirectories for components, styles, and other necessary files.

👉 Install required dependencies, such as react-router.

👉 The UI of this project requires a huge amount of CSS to make the application look like the real one.

👉 It is better to use external CSS libraries like Material UI (https://mui.com/material-ui/)which is a popular React component library that follows Google's Material Design guidelines. It provides a set of ready-made components for various UI elements which can help us to create complex UI in an easier way by using the predefined CSS classes.

👉 The UI of the application must be responsive in nature.

For further queries, please go through the link below:

https://learn.newtonschool.co/n/9pxkmxt9d6kw/preview

Step 2: Navigation Bar Design

👉 Create a fixed navigation bar that remains visible at the top of the page while scrolling.

👉 Design the layout and structure of the navigation bar.

👉 Include sections for the logo, menu items, search bar, and user account links.

👉 Integrate the Beyoung logo or branding elements into the navigation bar.

👉 Ensure the logo is linked to the home page.

👉 Implement menu items for different sections (Men, Women, Kids, Accessories) and any additional relevant pages.

👉 Set up routing for these menu links using React Router.

👉 Add a search bar to enable users to search for products.

👉 Include links to user-related pages such as the user profile, cart, and login/signup.

👉 Implement a search functionality to display relevant search results.

👉 You can use the below API for searching:

Searching products API:

- Method: GET

- URL: {{base_domain}}/api/v1/ecommerce/clothes/products?search={"title":"search_term_here"}

- Headers:

      projectId: {{Your_ProjectID}}

Searching products using filter:

- Method: GET

- URL: {{base_domain}}/api/v1/ecommerce/clothes/products?filter={"title":"search_term_here"}

- Headers:

      projectId: {{Your_ProjectID}}

- Description: Here, "field" will be the key you want to search the product by. It can be the name of the product, price of the product, description of the product or features of the product. And "search_term_here" would be the users' search input.

Step 3: Home Page Design

In this step, we will design the home page of the Beyoung Clone to create an engaging and visually appealing interface for users. The home page will serve as the gateway to the platform and showcase featured products, new arrivals, and other essential content.

👉Create a prominent hero banner at the top of the home page, featuring attractive visuals and eye-catching graphics.

👉Display featured product categories, such as "Men," "Women," "Trending," or "Seasonal Favorites."

👉Organize these categories in visually appealing sections with thumbnail images and titles.

👉Implement product carousels showcasing products from different categories.

👉Design a footer section with links to important pages, such as "About Us," "Contact Us," "FAQs," etc.

👉Include social media icons for users to connect with Beyoung on various platforms.

Get product list API:

- Method: GET

- URL: {{base_domain}}/api/v1/ecommerce/clothes/products

- Headers:

        projectID: {{Your_ProjectID}}

BEYOUNG®

MEN   WOMEN   COMBOS   JOGGERS   SHOP THE LOOK   SHOP BY COLLECTION

#UnitedForFreedom

On this Independence Day

8TH - 16TH AUGUST

Make Your OWN COMBO
With *Freedom* to Choose Any Color Any Size

JOIN THE CELEBRATION NOW!

Pick Any 4 ₹1099   Pick Any 3 ₹1399   Pick Any 2 ₹599

Mobikwik Offer

Step 4: User Registration and Login

In this level, we will enhance the Beyoung Clone by ensuring that users must be logged in before they can proceed with purchasing products.

👉Create a user registration form with input fields for the user's name, email address, password, and any other relevant details.

👉Create a login form with input fields for the user's email and password.

👉Implement a check on the product purchase process to verify whether the user is logged in before allowing access to the checkout page.

👉If the user is not logged in, redirect them to the login page or prompt them to create an account before proceeding with the purchase.

👉In the below image Signup is implemented through a phone number but instead of this, you have to show a form with an email id and password.

Users Login API:

```
 - Method: POST
- URL: {{base_domain}}/api/v1/user/login
- Headers:
        projectID: {{Your_ProjectID}}
- Body:
{
  "email" : "test6@gmail.com",
  "password" : "12345",
  "appType" : "ecommerce"
}
```

Signup API:
```
- Method: POST
- URL: {{base_domain}}/api/v1/user/signup
- Headers:
        projectID: {{Your_ProjectID}}
- Body:
{
  "name":"test",
  "email" : "test6@gmail.com",
  "password" : "12345",
  "appType" : "ecommerce"
}
```
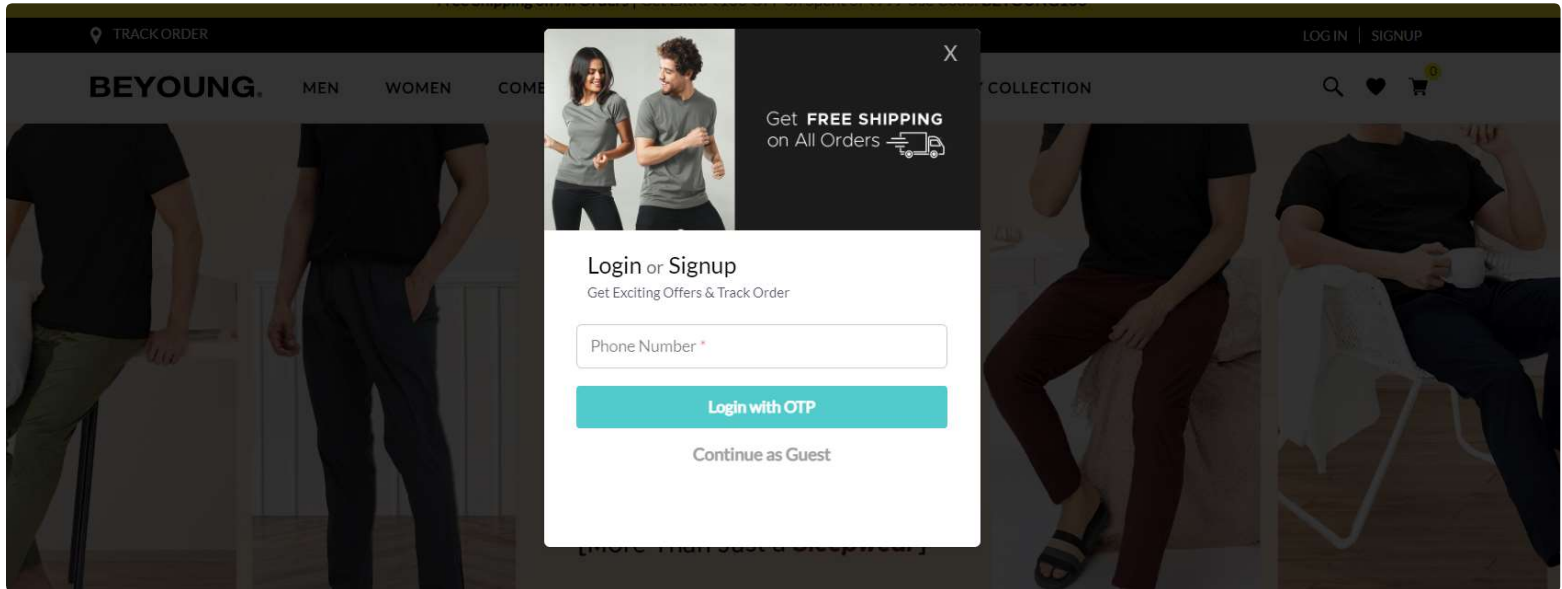
Forgot Password:
```
- Method: POST
- URL: {{base_domain}}/api/v1/user/forgotPassword
- Headers:
        projectID: {{Your_ProjectID}}
- Body:
{
  "name":"test",
  "email" : "test@gmail.com",
```

    "password" : "7890"
}

Step 5: Product Details and Reviews

In this step, we will focus on implementing the product details page and allowing users to view comprehensive information about a product before making a purchase.

👉Create a dedicated product details page that displays information such as product name, image, description, price, and available sizes/colors.

👉Include a "Add to Cart" button that allows users to add the product to their shopping cart for future purchases.

👉Implement a gallery of product images that users can view in a larger size by clicking on them.

👉Use image thumbnails for easy navigation through multiple images.

👉Display the availability status of the product, indicating whether it is in stock or out of stock.

Get single product:

 - Method: GET

- URL: {{base_domain}}/api/v1/ecommerce/product/:productID

- Headers:

        projectID: {{Your_ProjectID}}

Add item to cart:- Method: PATCH- URL:

{{base_domain}}/api/v1/ecommerce/cart/:productID

-Headers:

  projectID: {{Your_ProjectId}}

- Body: {

   "quantity" : 2

}

Reviews and Rating API:

Get reviews of a product

- Method: GET

- URL: {{base_domain}}/api/v1/ecommerce/review/:productId

- Headers:

        projectID: {{Your_ProjectID}}

Add review:

- Method: POST

- URL: {{base_domain}}/api/v1/ecommerce/review/:productId

- Headers:

        projectID: {{Your_ProjectID}}

Delete Review:

- Method: DELETE

- URL: {{base_domain}}/api/v1/ecommerce/review/:reviewId

- Headers:

        projectID: {{Your_ProjectID}}

BEYOUNG.   MEN   WOMEN   COMBOS   JOGGERS   SHOP THE LOOK   SHOP BY COLLECTION

HOME > MENS CLOTHING > POLO T SHIRTS FOR MEN > BLACK STRIPED POLO T-SHIRT

Black Striped Polo T-shirt
Playful Polo T-Shirts

₹599 ₹1198 **(50% off)**
Inclusive of All Taxes + Free Shipping

★★★★ 4.0 (6 Reviews)

🏷️ **Extra ₹100 OFF on ₹999 (Code:BEYOUNG100)**

COLOR : Black Striped

SIZE   SIZE CHART

(M) (L) (XL) (XXL)

QTY: 1 ▼

🏷️ OFFERS FOR YOU   ︿

🛒 ADD TO CART   ⊕ BUY NOW

Step 6: Wishlist Functionality

In this step, we will implement the wishlist functionality, allowing users to add their favorite products to a wishlist for future reference and easy access.

👉Add a heart-shaped wishlist icon near each product on the product details page and category pages.

👉Implement an "Add to Wishlist" button below each product.

👉When clicked, the button should add the product to the user's wishlist.

👉Create a dedicated wishlist page where users can view all the products they have added to their wishlist.

👉Display product names, images, and prices in an organized manner.

Allow users to remove products from their wishlist on the wishlist page.

👉Implement a "Remove from Wishlist" button below each product.

👉 Display a friendly message if the wishlist is empty, along with a call-to-action to encourage users to add products.

👉 Require users to be logged in to add products to their wishlist.

Add to wishlist/favorites

-->Add Product in Favorites (Protected Routes):

Method: PATCH

URL:https://academics.newtonschool.co//api/v1/ecommerce/wishlist

```
 headers: {
   'Authorization': 'Bearer YOUR_JWT_TOKEN',
    'projectID': 'Your Project ID'
}
```

BODY: { "productId" : productId }

Description: This API serves the purpose of adding products into favorites.

For example, when the API is triggered with an ID, it adds the corresponding product to the favorites.

-->Get My Wishlist (Protected Routes):

Method: GET

URL: https://academics.newtonschool.co//api/v1/ecommerce/wishlist

```
 headers: {
   'Authorization': 'Bearer YOUR_JWT_TOKEN',
    'projectID': 'Your Project ID'
 }
```

Description: This API is used to get products added into the favorite

-->Remove products from My Wishlist (Protected Routes):

Method: DELETE

URL:

https://academics.newtonschool.co//api/v1/ecommerce/wishlist/{{productId}}

```
 headers: {
   'Authorization': 'Bearer YOUR_JWT_TOKEN',
    'projectID': 'Your Project ID'
```

}

Description: This API is used to remove products added into the favorite

Method: DELETE

URL: https://academics.newtonschool.co/favorite/api/v1/ecommerce/wishlist/

 headers: {

   'Authorization': 'Bearer YOUR_JWT_TOKEN',

    'projectID': 'Your Project ID'

 }

Description: This API is used to remove all products added to the wishlist

Kindly refer to the link given below for implementing API:

https://drive.google.com/file/d/1K-TiaalOWFYuMd-L3wtHJAkVgW7xyeNl/view

---

BEYOUNG   MEN   WOMEN   COMBOS   JOGGERS   SHOP THE LOOK   SHOP BY COLLECTION

MS

MANN SHAH
#Beyoungster

Order

Address

Profile

Wishlist

Coupons

Tickets

LOGOUT

X

Black Striped Polo T-shirt
Playful Polo T-Shirts

₹599 ₹1198 (50% off)

Add To Cart

Step 7: Shopping Cart and Checkout

👉Add a shopping cart icon in the navigation bar to indicate the number of items in the user's cart.

👉Ensure that the cart icon updates dynamically as users add or remove items.

👉Create a dedicated shopping cart page where users can review the products they have added to their cart.

👉Display product names, images, quantities, and prices in an organized manner.

👉Allow users to modify the quantity of each product in the cart or remove items altogether.

👉Implement update and delete buttons for each cart item.

👉Display a friendly message if the cart is empty, along with a call-to-action to encourage users to start shopping.

👉Implement a secure checkout process that guides users through the steps of finalizing their purchase.

👉Display a summary of the items in the cart, the total amount, and any applicable taxes or discounts.

👉Save order details in the user's account page to allow them to view their order history and past purchases.

Get cart item:

- Method: GET

- URL: {{base_domain}}/api/v1/ecommerce/cart

- Headers:

        projectID: {{Your_ProjectID}}

Delete from cart:

-Method: DELETE

- URL: {{base_domain}}/api/v1/ecommerce/cart/:productID

- Headers:

        projectID: {{Your_ProjectID}}

Get order list:

- Method: GET

- URL: {{base_domain}}/api/v1/ecommerce/order/

- Headers:

          projectID: {{Your_ProjectID}}

Get single order using id:

- Method: GET

URL:{{base_domain}}/api/v1/ecommerce/order/:orderID

- Headers:

          projectID: {{Your_ProjectID}}

Buy now/ Add to order:

- Method: POST

- URL: {{base_domain}}/api/v1/ecommerce/order

- Headers:

          projectID: {{Your_ProjectID}}

- Body:

```
{
  "productId" :"64f9d66f3d1465db6c7190cc",
  "quantity" : 2,
  "addressType": "HOME",
  "address": {
   "street": "123 Main St",
   "city": "Anytown",
   "state": "CA",
   "country": "USA",
   "zipCode": "12345"
  }
}
```

🛒
My Cart

📍
Address

💳
Payment

Black Striped Polo T-shirt
Playful Polo T-Shirts
₹599 ₹1198 (50% off)
You Save ₹599.00
Color : Black Striped   Size : L

Qty : 1 ▼

Remove | Move to Wishlist

🏷 Have a coupon/referral code?

Enter code   APPLY

‣ Flat ₹100 off on orders above ₹999 -   BEYOUNG100
Show More ⌄

PRICE DETAILS (1 items)

Total MRP (Inc. of Taxes)	₹1198
Beyoung Discount	- ₹599
Shipping	Free
Cart Total	₹599
Total Amount	**₹599**

You Saved ₹599 on this order

CHECKOUT SECURELY

256-bit   Paytm   VISA   MasterCard   UPI   MasterCard   RuPay   NET

Step 8: User Account and Profile Settings

👉Create a user account page where users can view and manage their account information.

👉Display user details such as name, email address, and shipping address.

👉Provide options for users to update their account settings, including name, email, password, and shipping address.

👉Implement form validation to ensure that the entered information is valid.

👉Allow users to access their order history from the account page.

Display a list of past orders with order details such as order number, date, and status.

Update Password:

- Method: PATCH

- URL: {{base_domain}}/api/v1/user/updateMyPassword

- Headers:

        projectID: {{Your_ProjectID}}

- Body:

```
{

  "name":"test6969",

  "email" : "test6969@gmail.com",

  "passwordCurrent" : "12345",

  "password":"1234567890"

}
```

Update My data:

- Method : PATCH

- URL: {{base_domain}}/api/v1/user/updateMyPassword

- Headers:

        projectID: {{Your_ProjectID}}

- Body:

```
{

  "name":"test2",

  "email" : "test2@gmail.com",

  "passwordCurrent" : "12345",

  "password":"123456"

}
```

Update Profile Image:

- Method: PATCH

- URL: {{base_domain}}/api/v1/user/updateMyPassword

- Headers:

        projectID: {{Your_ProjectID}}

- Body:

```
{

  "name":"test2",

  "email" : "test2@gmail.com",

  "passwordCurrent" : "12345",
```

```
    "password":"123456"
}
```

Delete Me:

- Method: DELETE

- URL: {{base_domain}}/api/v1/user/deleteMe

- Headers:

           projectID: {{Your_ProjectID}}

- Body:

```
{
  "name":"test2",
  "email" : "test2@gmail.com",
  "passwordCurrent" : "12345",
  "password":"123456"
}
```

Project Checklist

👉Navigation Bar

👉Home Page

👉User Registration and Login

👉User Account and Profile Settings

👉Shopping Cart and Checkout

👉Wishlist Functionality

👉Product Details and Reviews