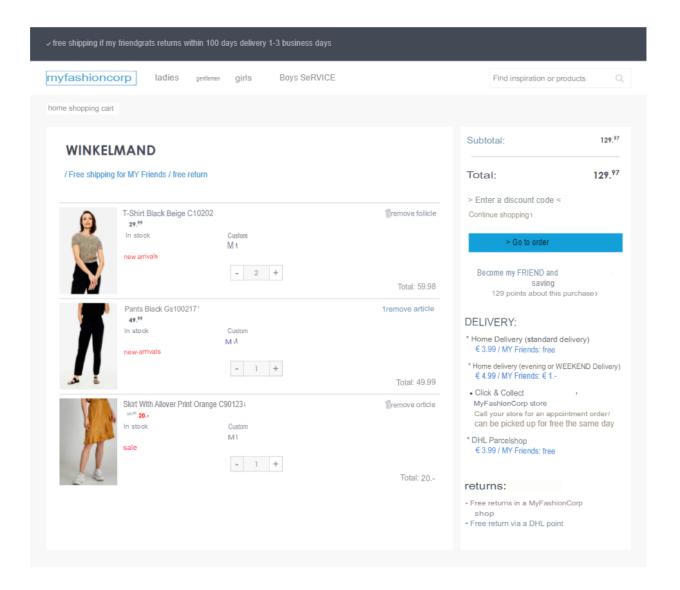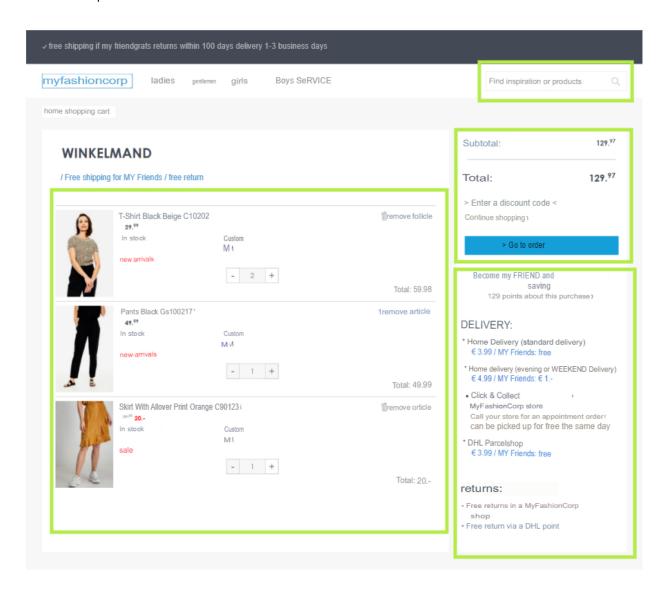# MyFashionCorp

1. Definition:
   I have been asked to create a new cart page for MyFashionCorp.
   They ask me to research all the required services and present the outcome
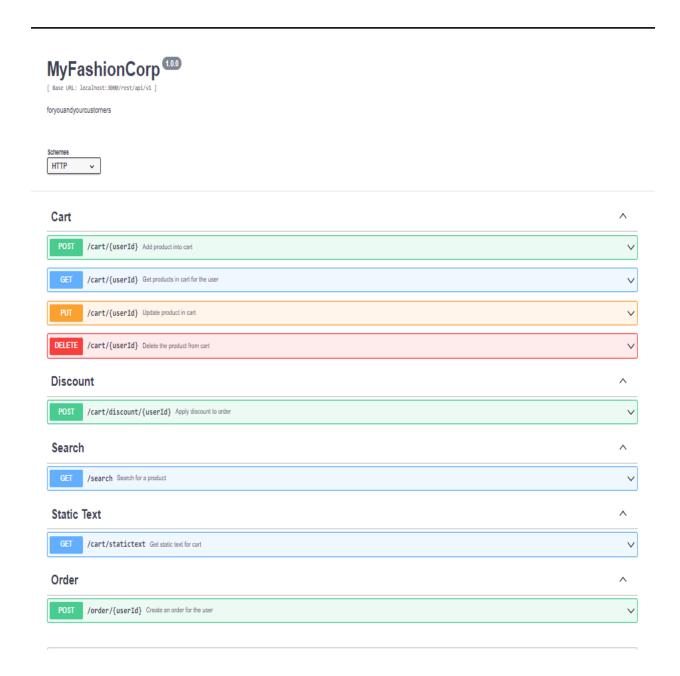   to the team.

2. Components:
   I split the page to multiple components and highlighted them
   each component will have one or more API.

3. Swagger:
    I create a swagger file to document the API and facilitate the integration between frontend and backend.

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MyFashionCorp [1.0.0]

[Base URL: localhost:3000/rest/api/v1]

foryouandyourcustomers

Schemes
HTTP ⌄

Cart ⌃

POST	/cart/{userId}	Add product into cart	⌄
GET	/cart/{userId}	Get products in cart for the user	⌄
PUT	/cart/{userId}	Update product in cart	⌄
DELETE	/cart/{userId}	Delete the product from cart	⌄

Discount ⌃

POST	/cart/discount/{userId}	Apply discount to order	⌄

Search ⌃

GET	/search	Search for a product	⌄

Static Text ⌃

GET	/cart/statictext	Get static text for cart	⌄

Order ⌃

POST	/order/{userId}	Create an order for the user	⌄

4. Flow Details and explanation:

- **POST: /cart/{userId}**
  When user want to add a product in cart, we will use this API to add the product to cart using the userId.

- **GET**: **/cart/{userId}**
  We would use it to get all products in cart for user and display in the previous page.

- **PUT**: **/cart/{userId}**
  We would use it to update the product in the card, like if we increased the quantity or decreased it.

- **DELETE**: **/cart/{userId}**
  We would use it to update the product in the card, like if we increased the quantity or decreased it.

- **POST**: **/cart/discount/{userId}**
  To apply a discount to order total we would use this API, it will take the discount code then in back end:
    - Get the value of discount.
    - Get subtotal for all products in cart using userId.
   - Calculate total by using the subtotal minus discount and rebates
      and plus shipping costs.

- **POST: /order/{userId}**
  To create the order we would use this API and in backend will we do
   - Calculate discount if code exists using previous functionality in /car/discount/{userId.
   - Create the order in our db.

- **GET: /search**
  Search for the product to add into cart.

- **GET: /cart/statictext**
  To get static texts in the page.