UI Implementation for Bazaar Voice

Bazaar voice is used for displaying the user reviews and rating on the UI for Emerald React application.

Bv.js is the library provided by bazaar voice for the integration.

We need to import this library in order to display the rating and reviews.

The following components are displayed on the emerald UI.

1. Inline average rating for products (On Product listing page)
2. Rating for a product.
3. Reviews submitted by user for a product.
4. Questions sections asked by a user.

The above 3 sections are displayed on the product details page.

The steps to implement bazaar voice is as below.

1. Import the bv.js in the React application.

The CDN path for the bv.js is <https://apps.bazaarvoice.com/deployments/partner-hcl/main_site/staging/en_US/bv.js>.

We need to import this in our App.tsx as below.

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Description automatically generated

Once this is imported, we can use the bazaar voice DOM tags to display the reviews and ratings.

1. Create a service for calling the bazaar voice API for rendering the ratings and reviews.

Create a bv.service .js file

The service file should have the url hosted by the HCL Commerce server.

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1. The response of the above service gives us the content for the Ratings Reviews and Questions.

The API integration is done as below.

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1. Implement inline average rating on the product listing page. Work in progress.
2. Implement user rating summary on the PDP page.

Create a component rating-summary.tsx and add the following div.

<div data-bv-show="rating\_summary" data-bv-productId="11501\_11\_${ProductID}">

{RatingContent}</div>

1. Implement Reviews content by adding the below DOM.

<div data-bv-show="reviews" data-bv-productId="11501\_11\_${ProductID}">

{ReviewsContent }

</div>

1. Implement the QnA section as below.

<div data-bv-show="questions" data-bv-productId="11501\_11\_${ProductID}">

${QuestionsContent}

</div>

**Part 2: Elastic Integration on the Product Listing page.**

The above code displays the inline rating for a particular product, Reviews section and the Questions section on the UI.

Now we will have to display the rating facet on the left-hand side filter section on the product listing page.

Using this facet, we would be to filter out the products on the basis of the ratings.

We will be getting the newly added rating facet in the products API as below.

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The existing code of the facet display will display the rating in the left section of the filter as the other facet values.

The label contains a garbage value and this should be replaced by star icons.

For same we need to create a component which will display the stars in the label section.

Make changes in the src/\_foundation/hooks/use-product-filter.tsx this file is responsible for calling the products api for displaying the filters.

We would need to add the profile name to get the BV ratings in the response.

Graphical user interface, text, application

Description automatically generated

Create a custom component ../custom-widgets/product-filter-widget for making customization in the filter section and import the same in the below files.

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In the custom component the below section is responsible for displaying the star icons.

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Description automatically generated

Create a Ratings component which would display the star icons depending upon the values passed to it.

Graphical user interface, text, application, email

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Graphical user interface, text, application

Description automatically generated

After the above changes the Ratings filer will be displayed as below.

Graphical user interface

Description automatically generated with medium confidence

Now we also need to display the rating on the Product Listing page for each and every product displayed.

For this feature we ned to make changes in the products API. As we need to pass the Profile name to the service.

Once we pass the same the response would return us the rating value and the reviews count for that particular product.

Graphical user interface, text, application

Description automatically generated

Response:

Text

Description automatically generated

The above userData is used for displaying the ratings for a particular product.

Now we can use data for diaplaying the ratings.

Use the above rating component and pass the values to the same.

Create a custom product listing page component as ../custom-widgets/catalog-entry-list-widget

Import the same as below.

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Description automatically generated with medium confidence

In the custom component make the below changes.

For displaying the icons on the product card:

We need to create a custom component src/components/custom-widgets/styled-product-card.tsx

Graphical user interface

Description automatically generated with low confidence

For displaying the applied filter details on the listing page.

Graphical user interface, text

Description automatically generated

After the above changes the UI would look like below after applying the filters.

Graphical user interface, application

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Sandbox Git Branch : v9.1.10.0\_BV .

<https://github.com/HCL-Commerce-Developer-Sandbox/store-web/tree/v9.1.10.0_BV>