

Firebase Dashboard

Weight: 15%;

Due Date: Sunday 6th, February 2022

Submit Before: 11:59pm

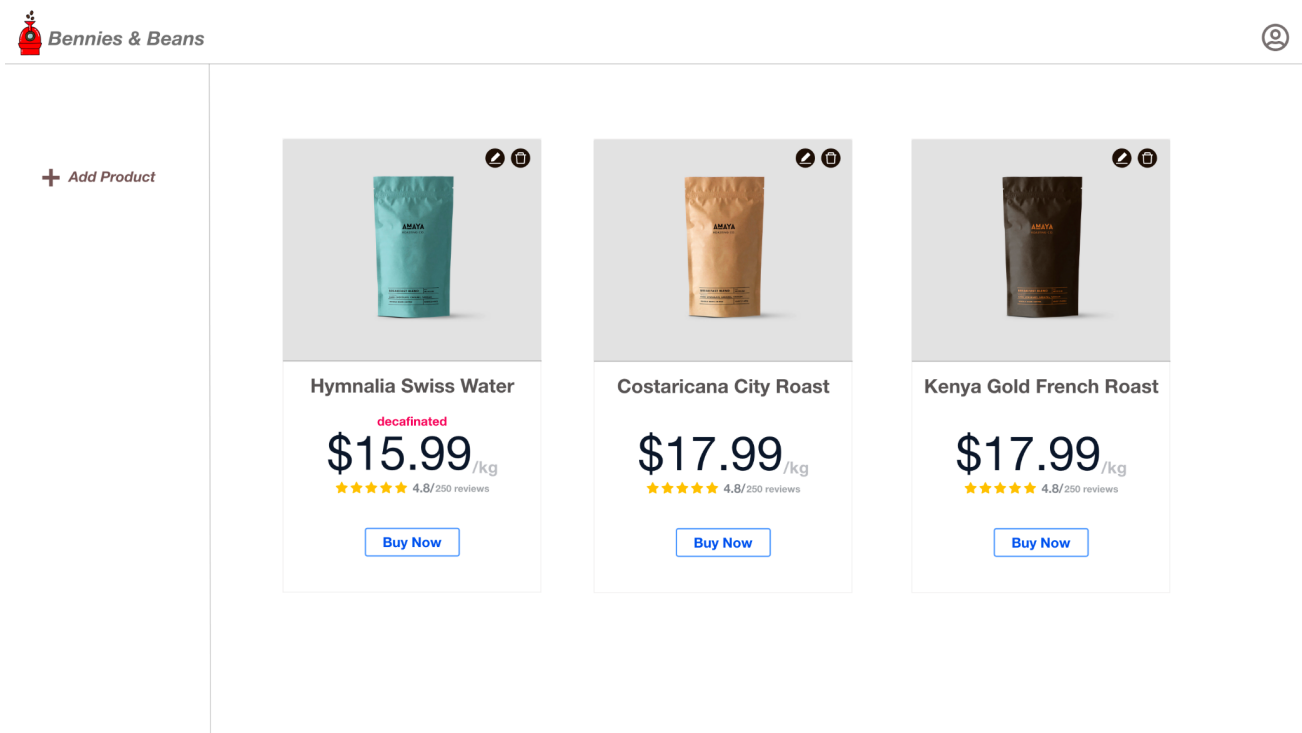
Introduction

For the first assessment you will start to develop your loading interface for the storefront site you will be building with React, Next and Firebase. This will be the first draft of your dashboard where you will have the basic crud functionality for your products.

Your store can sell anything you want and the dashboard will be the loading interface for the product cards that your storefront site will display to your customers. The product cards should be of the highest quality. I suggest that you take a look at ecommerce template sites such as themeforest and shopify to get some ideas.

Once you have settled on an idea for the product card, come up with some fake branding. Decide on a logo and company name that the products will be sold under. You can use artwork from the internet for branding etc. The branding you decide on will be used in the dashboard and the storefront that you will build later in the semester.

The example below is for a coffee bean store. The edit and delete functionality is added to the product card. **Dashboard page contains an app-bar, sidebar and widget display area.** Your dashboard should contain these three main content sections but the layout and style are up to you.





Product Data

You will be using the Firebase Real Time Database to save all the data for your storefront. For this assessment you require a minimum of four data points and two required data points.

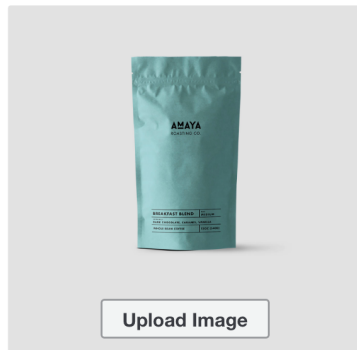
1. Key from firebase
2. Product SKU
3. Product Image
4. Product Title
5. Product Price
6. One other property of your choosing as related to your product

Your data object for a single product should have a data structure very similar to the following

```
{
  "-MuBYwRNh8urhG5Cabvd": {
    "key": -MuBYwRNh8urhG5Cabvd,
    "sku": "unique product sku",
    "image": "product-url",
    "title": "product title",
    "price": "product price no dollar sign and no decimals whole
number",
    "custom": "your custom property"
  }
}
```

Dashboard Functionality

You will be using the Firebase Real Time Database to save all the data for your storefront. For this assessment you require a minimum of four data points and two required data points.



Product Title

price

Stars

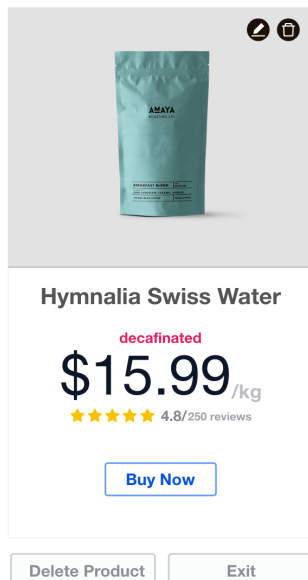
Rating

Review

Add Product Edit Product

Both the add and edit page will use the same layout. The main difference is when you go to the edit screen you will fill out each field with the existing data.

The pages for the add and edit products should still have the dashboard layout. Both pages should have button options to save the data or exit without saving and return to the main dashboard page.



Delete Page

You can do the delete page two ways. You could delete the product right on the index page using a modal window as confirmation to delete the item.

You can create a delete page and pass the data you need using session storage. You can use a template to display the product and give the options to delete the item or return to the main.



Submission

Create a github repository for your project. Make sure to display a readme file with a professional look. Again you can use content from other repos to make your Readme.md look professional.

Your site should be deployed to Netlify and you should have your Netlify environmental variables setup so that your app can read and write data to the Real Time Database.

Moodle

Upload the link to your github repo

Upload the link to your Neltify Site Deployment.

Late Assignments will not be graded.

Any site display showing 404 errors will receive a grade of zero



Marking Key

Task		Task Value
Dashboard Index Page Dashboard layout Product Card layout Responsive layout Dashboard and Product Card Styles Data display Add edit and remove product functionality implementation		5
Add Product Page Add product form layout Form uploads and displays a new product on the index.page. Exit page without saving.		5
Edit Product Page Edit product form layout Data presented for all four data points. Form uploads and displays a new product on the index.page. Exit page without saving.		5
Delete Product / Delete Product Page Display correct product to remove Item is removed from the index page. Exit page without saving.		5
		20



Marking Rubric

Marks	5 Marks Criteria
5 [0]	Task was completed with the highest proficiency, adhering to best practices. The tasks demonstrate a high level of proficiency implementing the subject matter and the presentation of the content is to a professional standard.
4 [-1]	Task was completed well, with some minor mistakes. Well above average work, shows good understanding of the implementation details of subject matter. Tasks show a high degree of competence.
3 [-2]	Task was completed satisfactorily. Some features are missing or incorrectly implemented. Shows a moderate level of understanding in the task with room for improvement.
2 [-3]	Task completion is below average, the task was poorly completed. Shows understanding of the task and the requirements to implement, but implementation was poorly executed.
1 [-4]	Some of the tasks were completed. Shows a lack of understanding in the subject matter and very poor execution.
0 [-5]	Not completed.

Marks	3 Marks Criteria [minus]
3 [0]	Task was completed well, adhering to best practices, and shows a high degree of proficiency with the subject matter guidelines.
2 [-1]	Task was completed satisfactorily. Some features are missing or incorrectly implemented. Shows a moderate level of understanding in the task with room for improvement.
1 [-2]	Some of the tasks were completed. Shows a lack of understanding in the subject matter and very poor execution.
0 [-3]	Shows a little to no degree of competence in completing the task; not completed.

Marks	1 Marks Criteria
1	Task completed satisfactorily
0	Task was not completed