Grace Shopper

Premise

I have been reviewing the evaluation commentary within the grace shopper workshop and wanted to highlight a few things that we need to discuss when we meet on Tuesday (or sooner if you wish to talk).

I would like to document what I think are the **open items** here so that we have a reference document to refer to as we do our work. What follows is a review by section: **shopping experience, administrative portal, security,** and **user administration.**

Shopping Experience

This is the section is a combination of both Di & my work.

The Search Bar (the upper quadrant of the screen):

- The category drop down corresponds with the lower component.
- The search term successfully filters resulting products
- The login/sign-up & logout links toggle depending on whether a user has created a session.
- When the user logs in, and if s/he is an administrator, the administrative portal is visible.
- The cart link updates with the addition of line items in the cart.

- This component is completed.

The Main area - products list view:

- On entry, all products are shown.
- The displayed routes are restful.
- There is a category sidebar that filters products and triggers a search bar category change.
- Products are displayed inside a panel so "product data" is clearly organized.
- The products accurately filter depending on category and/or search term.
- Each product is clickable and returns a selected product view.

To Do:

➢ An "add to cart" option needs to be placed on the products when they are in list view.

The Main area - selected products view:

- The product is shown in a readable fashion.
- The displayed category sidebar allows the user to return to the products list view.
- You can successfully add the product to the cart.
- The quantity has a max limit of the stocked inventory or 15 (whichever is lower).
- Note: Inventory is not reduced on adding to the cart. This will be done at checkout.

To Do:

- ➢ Reviews/ratings need to be incorporated in this page. (written & 5-star type reviews)
- ➢ (optional) The extra images can be made clickable so that they become the main image.

Seeding:

- We now have a few categories that are compatible with one another.
- Some of the categories have products with real data.

To Do:

- ➢ We need real product data for all the categories. This is necessary to make our application present professionally. This data should be entered and saved within our assets folder, not drawn from faker. We do not need a lot of data, but we need some data.
- ➢ Seed data needed:
    - ▪ Users
    - ▪ Orders
    - ▪ Products for the categories with no real data.
    - ▪ Ratings/reviews.

The reviews/ratings entry section:

- This doesn't exist

To Do:

- ➢ A rating belongs to a user as well as a product.
- ➢ We need the ability for the user to add a product rating on a specific product.
- ➢ I assume a user rating can only be on a product that they already purchased.

The Administration Portal view:

- We can see all categories, add and delete a category.
- We can add a product, change some product details & view all products with detail.
- Delete user removes the user from the database.

To Do:

➢ I noticed that the users on the admin portal page do not reflect what is on the database. Is there a reason that they are not synchronized? The App.js file loads users into the store on start-up, so I am confused about this.
➢ Once I deleted a user, and looked at the database, the data was synchronized and the user was deleted.
➢ The remove administrator button does not work.
➢ The reset password doesn't work either
➢ We cannot add any images to a product and the default image does not show up either. There should be a way of adding image names (syntax: "name" "." "fileType") as well as grabbing a file from the disk and storing that file into the images folder.
➢ We cannot delete a product.

Recommendation:

• This administrative page is far too busy:

▪ There should be a sidebar with topics: Categories, Users, Products… Then the administrator can click and go into the specific area they want.

▪ In a **categories maintenance section**: If you want to add a category, then you can in a form at the top (like in one of our acme projects). All the live categories should be listed with 2 button choices: delete and edit. An administrator should have the ability to modify the name of a category.

▪ In a **user's maintenance section**: It should show that a user is or is not an administrator now. When you hit a button it should work and acknowledge that the action was taken.

▪ In a **products maintenance section**: There should be a list showing all the products with links. At the top of that list page could be an additional link for adding a product. If an administrator clicks the individual product link (or the add a product link), you go to an individual product page where you can either add a new product (if you clicked the add link) or change all the necessary information including image names (in the product imgUrls) array & files (stored within the images folder in our repo).

• The heading fonts could/should be smaller so that it is in-sync with the buyer's experience fonts.

The Users Account Information section:

➢ The account information shows up once the user is logged-in.

To Do:

➢ A user should be able to change the information on his/her record.

➢ A user should be able to remove themselves from the system (delete)

➢ This should be a summarized list that shows the active cart and prior orders. When one clicks, they get details on the cart or order

➢ When one clicks they get details on their specific order and should be able to add a review here within the order details.

➢ There should be a new section called reviews on this page that shows a line item summary of all reviews that were made by this user. If s/he clicks the line item, they can see the detailed review.

The cart/process order Information section:

➢ This section is obviously a work-in-progress at the moment.

To Do:

➢ The section needs to be formatted and process an order…
➢ The fonts should/could be consistent with the buyer's experience searchBar.

Other Details form the Grace Hopper Workshop notes:

I would appreciate your thoughts on all the following To Do items:

Hygienic Checklist

- Test coverage in Istanbul (10% of total code)
- Cont. Integration w/ CodeShip (max spend 1.5 hrs on this)
- Deployment to Heroku and installation of NewRelic (max 1.5 hours on this)
- Project management and effective use of Git Pull Requests/Github
- Norms.MD, Contribution Guidelines

Graded/Rated

- Code Quality
  - DRYness
  - General best practices in front-end and back-end
  - RESTfulness of routes
- Feature completeness
- Schema design
- Effectively separating functionality:
  - dumb/presentational components
  - smart/container components
  - async action creators, etc.

Subjective Evaluation

- UI/site usability
- Security
- Design/visual appeal

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As a visitor, I want to...

PRODUCTS

✓ ...view the full list of products (the product catalog), so that I can see everything that's available

✓ ...refine product listings by category, so that I can narrow down my choices to see only the types of items I'm interested in
✓ ...search product listings, so that I can find specific products I want by name
✓ ...view the details for an inidivdual product (including product descriptions, photos and reviews), so that I can determine whether that particular item fits my needs

CART

✓ ...add items to my cart from the product listing or product detail pages, so that I can purchase them later

- ...remove items from my cart, in case I decide I don't want an item anymore
- ...edit/remove quantities of items in the cart, in case I decide I want more or less of a particular item
- ...refresh the page and have the cart persist, so that I don't lose my work (you may use sessionStorage, localStorage, cookies or JWT for this)

- ...be able to log in to my account and continue editing that same cart, so that I don't lose any progress I made before I logged in

CHECKOUT

- ...purchase items in the cart, so that I can get the items I want
- ...specify a shipping address and email address when I checkout, so that the items can arrive at the right place
- ...receive a confirmation email after I checkout, so that I know my order is being looked at
- ...receive a notification email when the order ships, and then when the order is delivered, so that I can stay up to date on when my order will arrive

ACCOUNT MANAGEMENT

- ...be able to create an account, so that I can perform activities like leaving reviews
- ...be able to login with either Google or Facebook, so that I don't need to remember a new password to have an account

As a logged-in user, I want to...

ACCOUNT MANAGEMENT

- ✓ ...be able to log out, so that someone else can't just come along and use my account.

- ...view my list of previous orders, so that I can find and individual order I made in the past and review it
- ...view the details of a past order, including...

  - o Current order status
  - o Items with quantity and subtotal
  - o Link to the original product detail page
  - o Date/time order was created
    - ...so that I can remember exactly what I ordered and when

REVIEWS

- ...be able to leave reviews for products (including text and a 5-star rating), so that I can share my experiences with other visitors

As an admin user, I want to...

PRODUCT MANAGEMENT

- ...create and edit products with name, description, price and one or more photos, so that visitors can see the latest info on what we have to offer

- ✓ ...create categories for items, so that users can continue to have useful filters as our inventory grows in variety

- ...add/remove categories from items, so that users will see them when they refine their searches
  - o Acceptance Criteria: items must have multiple categories

- ✓ ...manage the availability of a product, so that users will know whether or not they can purchase that product

  - o Acceptance Criteria: If a product is no longer available, users will not see it while browsing, but they can view the product detail page if they've ordered it previously or have a direct link. On that product detail page, it should say "Currently Unavailable"

ORDER MANAGEMENT

- ...view a list of all orders, so that I can find specific orders to review
- ...filter orders by status (Created, Processing, Cancelled, Completed), so that I can more easily find the orders I'm interested in
- ...view details of a specific order, so that I can review it and update its status
- ...change the status of the order (Created -> Processing, Processing -> Cancelled || Completed), so that others will know what stage of the process the order is in

USER MANAGEMENT

- ...promote other user accounts to have admin status, so that new administrators can have the same privileges I have
- ...delete a user, so users who should not be able to log in anymore cannot
- ...trigger password reset for a user (that is, the next time they successfully log in with their old password, they are prompted for a new one), so that I can be proactive in getting users to change their passwords after a period of time

Data Validations

As you work on your data models, please consider the types of data that you will receive, what you want to make required and how you will propagate those errors to the user.

Products

- ✓ Must have title, description, price, and inventory quantity

- Must belong to at least one category
- If there is no photo, there must be a placeholder photo used

Users

- Users must have a valid email address
- Users email must be unique

Order

- Orders must belong to a user OR guest session (authenticated vs unauthenticated)
- Orders must contain line items that capture the price, current product ID and quantity
- If a user completes an order, that order should keep the price of the item at the time when they checked out even if the price of the product later changes

Reviews

- All reviews must belong to a product
- All reviews must belong to a user
- All reviews must be at least X characters

Production Application

A solid production application isn't just on the web, it is also demonstrably well-built, well-tested, and well-monitored. To this end...

1. Make sure every member of the team codes out at least five automated tests.
2. If deploying to Heroku: Follow these instructions to deploy your project to Heroku. This guide can help you setup with postgres. If deploying to Digital Ocean: Follow these instructions to deploy your project to Digital Ocean. Note that Digital Ocean has no long-term free plan—that's OK, we've got coupons which you'll use during senior phase so you won't be paying out-of-pocket. This guide can help you get setup with postgres.
3. You should set yourselves up with a continuous integration tool such as Codeship or Travis. Utilize Code Climatefor automatic feedback on improvements to your code. And though optional, we recommend you configure with Coveralls using node-coveralls to publish how much of your application is covered by your specs. Include badges (e.g. a Code Climate badge) on your Github's README.

Guidelines

- For its final evaluation, your project must be deployed
- Your README should have a link to the live site
- Your live site should have a path at /github that redirects to your Github repo (e.g. stackstore.herokuapp.com/github -> github.com/davidyang/stackstore)
- Presentation guidelines can be found here