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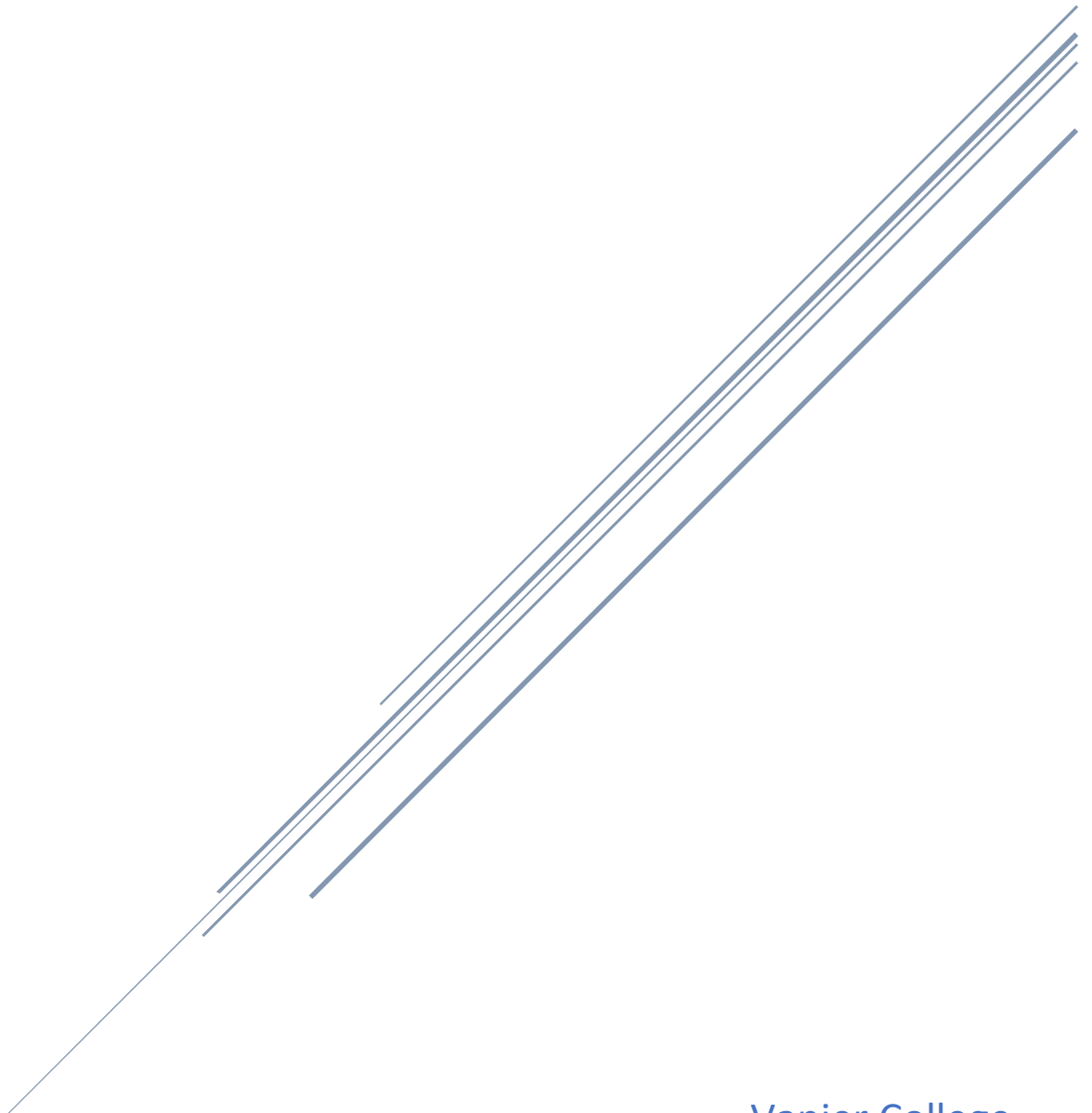
E-Commerce

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General Functionality Features:

Registration

Upon opening the application, every user has the option to register an account on the website to access the primary functionality of the website. All that is required is that the user selects "Register" on the home page, and a username, password, email, and contact (phone number) are needed to register an account.

Sign-In & Out

If a user is already registered, they will have the ability to log in using their username and password. This can be done by selecting "Login" on the home page and after entering a valid username and password, the user will be logged into their account. After logging in, the option to log out will be made available using the "Logout" option.

2FA

Upon registering or logging in, a user will have the option to use 2 factor authentication. This means that they'll be able to use an authenticator app such as Microsoft or Google authenticator to scan the generated QR code to prove their identity. 2FA setup can be skipped, however if it is setup, then it will be required to log into the account that set it up.

Search bar

Users can search the web application by entering a character of a letter into the search bar. The user clicks the search bar, types in a query, and clicks "search", the magnifying glass icon. The search bar will query keywords related to what the user wants to search.

Checkout

Logged in users will have access to a checkout page which will relate payment and shipping/billing details on the ecommerce store. The checkout page gives customers the opportunity to enter payment details and complete their order. The checkout page requires the user to input information in all the fields prior to clicking the Pay button to purchase what was in their carts.

History of Purchase

Once a logged in user completes the checkout, a record of all products purchased from their account will be available on the user's profile page. By clicking "View Purchase History", the transaction history will be shown.

Cart Management

Users will have a shopping cart feature on the web applications that allows them to have an to have a cart full of items for eventual purchase. The cart allows online shopping customers to accumulate a list of items for purchase. The cart itself has the 3 following features:

Add: Users will have the ability to add the item the like into the cart so they can later purchase it will they keep browser the webpage for other goods.

Delete: Users are able to delete the product of their cart if they no longer desire to buy the item in question. The item would be deleted of their cart without it affecting other items also inside it.

Modify: Users who which to add more quantity of an item in their cart will be able to modify the quantity in of the item.

Categorize Product: Users will be able to see products using categorize of said products. Product categorization allows products to be grouped by related tags and attributes into categories. In this case, bedroom, kitchen and yard will be categories users will be able to browser through.

Modify Account Page:
Users will be able to modify their account page by changing the information that they provide to the website.

View Product: Any user can view a product page simply by clicking the name of the product from the home page. This will redirect the user to the product page.

Seller Features:
The application supports seller profiles, meaning each user can

Create a Seller Profile: A user with no seller page will have the option to create one. From the home page, select the "Create Seller Profile" option and complete the text fields to create a new seller profile.

Modify Seller profile: Users with a seller profile can modify it by selecting "View Seller Profile" from the navigation options on the home page, and then selecting "Update Seller Information". Text fields will appear for each type of information that can be modified.

Delete Seller profile: If a user wants to delete their seller profile, by navigating to their seller page (explained in the section above), the user can select "Delete Seller Page and all Products". Note, this will also delete any products sold by the seller.

Add: Sellers who wish to sell products on the website can add a product after login into the system. Afterward, they would be able to add a product for sale if their profile is that of a seller.

Modify: Sellers can modify a product that they sell. The seller would need to go into their profile update product on the item that they wish to update.

Remove: Sellers can remove a product of the webstore. They would need to login with their credentials and delete product of their page. Later the item will then be deleted off their store.

View Sale History: Anytime a user passes through the checkout process, the items they "purchased" will be listed in their purchase history. Any products that a seller "sells" will be listed in their sale history. The sale history can be viewed from the seller page by selecting the "View Sale History" option.

Buyer (Consumer)Features:

Sort Products
Buyers can sort the products inside the web application to have a more detailed and precise look. Each product of the webpage will be displayed to the users benefit so they can have an easier time identifying what the wish to purchase.

Sort by Price: When the user clicks on the button to sort the price of the products by price the catalog will refresh itself and display the items via ascending order.

Sort Alphabetically: Users who click on sort alphabetically button will have the products arranged according to the normal order of the letters in the alphabet going from A to Z.

Sort by Seller: When users click on sort by seller the products will be displayed using the name of the seller to provide users with a more information regarding who is selling, they product they wish to buy.

Filter by Category: By clicking on sort by category, users will be provided with information regarding of the category of the product they wish to buy. The categories till be show as Kitchen, Living Room etc.

View Reviews: If the user is logged in, by clicking on the review hyper link that is located under each item, the buyer will see the reviews of the item selected

Add a review: While the user is reading the other reviews, the user can decide to click on the add review hyperlink to add a review of his own to the item selected. After writing his comment and submitting, he will be redirected to the reviews and will eventually be able to see his comment between the other comments.

Delete a review: Once a buyer submits a comment, the buyer will be able to delete his comment. Indeed, only the comments of the user logged will have the delete hyperlink. In other words, the user will be able to delete his comments and not the comments of others.

Update a review: Once a buyer submits a comment, the buyer will be able to update his comment. Indeed, only the comments of the user logged will have the update hyperlink. In other words, the user will be able to update his comments and not the comments of others. By clicking on the update hyperlink, the user will be able to see his old comment and be able to update it and resubmitted. Once he submitted it, he will be redirected to the reviews page and will be able to see his updated comment.

Wishlist Management

Users will have the possibility to manage their whishlists.

Create: The users will be able to go in their profile page, by click on "My Profile" hyperlink. Afterwards, they will be able to create a Wishlist, by clicking on the "create a whishlist" hyperlink. Then, the user will be able to give it a name and a description and finally created.

View: Once a user has one or multiple wishlists, he will be able to view them on his profile page and click on them and see the products in it.

Add: In the home page, the user will have the option, under each item, to add the item selected to a specific Wishlist. The user will then be redirected to their wishlist page, to select which wishlist they'd like to add the product to, or to create a new wishlist for that product.

Modify: In a wishlist page, the user will have the ability to modify the quantity of an item in the wishlist, by selecting the "Modify Quantity" option on the item.

Remove: To delete an item from a wishlist, a user only needs to select the "Remove From Wishlist" option on the item they'd like to remove from the wishlist, from the wishlist page.

Delete Wishlist: If a user wants to delete a wishlist, they can navigate to the page of the wishlist they'd like to delete, and they must select the "Delete Wishlist" option on the page. Note, this cannot be reversed.