



brickedUpTM

Documentation

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getbrickedup.stuu.ca
<https://github.com/stu-mcg/getBrickedUp>

1. Executive Summary

Bricks have always been a key element of modern buildings, serving humankind since the dawn of time. However they require a lot of specialised labour due to their weight and are not necessarily cost-efficient. brickedUp™ provides a visionary solution to any construction adept with our new material: Bricktonium.

“Revolutionising building, one brick at a time”

Bricktonium is a laboratory-engineered material that our bricks are built on. It satisfies all the functional properties of regular bricks but is also lighter, hyper-insulating and can interact in a larger system of bricks. With our BrickFuse™ technology, mortar is no longer needed to bind bricks together, as they can intelligently be fused on contact. Our large infrastructure system allows for a wide-range delivery of specialty bricks, anywhere, anytime. Every order of bricks comes with their own brickedUp™ knife which can effortlessly cut the bricks. Bricktonium is also the first eco-friendly building material, and can be recycled in our laboratories.

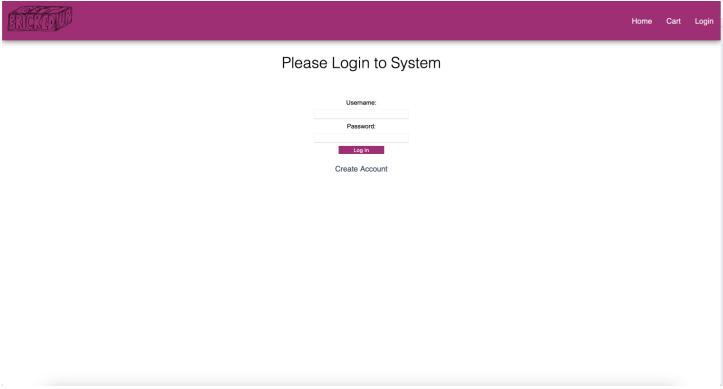
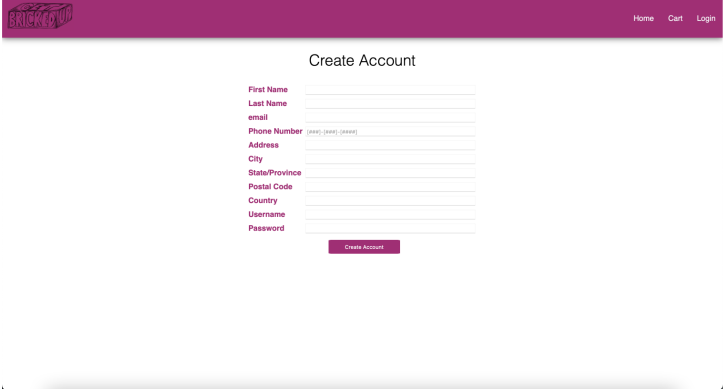
2. System Features

Final Overall System Features	Category	Points
Documentation (10 total points)		
Executive Summary (up to 1 page)	Core	2
System Features (2 pages)	Core	2
Walkthrough with screenshots (up to 15 pages)	Core	6
Hosting (10 total points)		
Running on cloud server	Advanced	10
Main/Home Page (up to 14 total points)		
Search for a product by name	Core	1
Browse products by category	Core	1
List products (by search/browse)	Core	1
List products with image	Core	1
Page header with menu	Basic	1

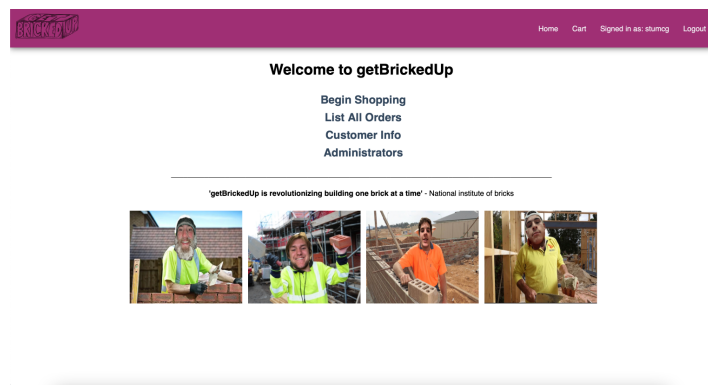
Page header shows current logged in user	Basic	1
Improved UI (user-friendly, images, etc.)	Basic	2
Product recommendation based on user	Advanced	4
Shopping Cart (up to 8 total points)		
Add to shopping cart	Core	1
View shopping cart	Core	1
Update quantity (with data validation)	Basic	1
Remove item from shopping cart	Basic	1
Improved formatting/UI (e.g. in header bar)	Basic	1
Checkout (up to 9 total points)		
Checkout with customer id (used login with userid)	Core	1
Shipment info (prepopulated from logged in user)	Basic	2
Product Detail Page (up to 2 total points)		
Product detail page and item description	Core	1
Product detail has an image from database	Core	1
User Accounts/Login (up to 12 total points)		
Create user account page	Basic	2
Create account with data validation	Basic	2
Edit user account info (address, password)	Basic	2
Login/logout	Core	1
Page listing all orders for user	Core	1
Product Reviews (up to 5 total points)		
Ability to enter a review on a product	Basic	2
Display product review on product detail page	Basic	1
Restrict to one review per user on item purchased	Advanced	2
Display item inventory by store/warehouse	Basic	2
Edit item inventory by store/warehouse	Advanced	3
Administrator Portal (up to 19 total points)		
Secured by login	Core	1

List all customers	Core	1
List report showing total sales/orders	Core	1
Add new product	Basic	2
Report with a graph	Advanced	3
	Total Points:	65

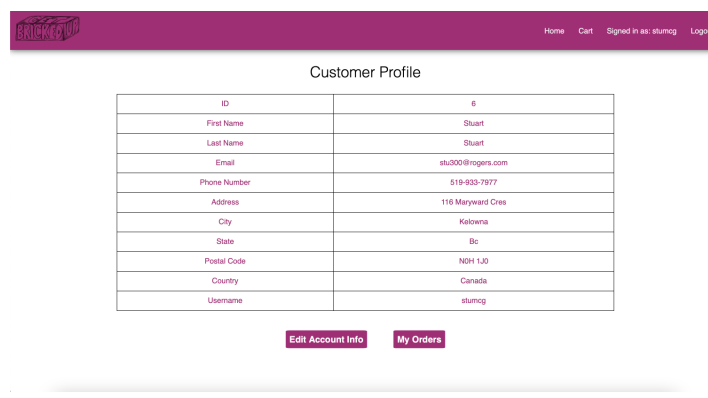
3. System Walkthrough

Detail	Visual
Login screen: Checks correct username and password, and authenticates the user. Users can also go to the create Account page. Users trying to access pages such as Customer Info and Administrators when not logged in will be redirected to the login page with an error message displayed.	
Create Account page: Here users are able to create an account where their information will be inserted into the database. There are data validations in places such as correct phone number form, unique username, and required fields.	
After creating an account, users will be redirected to the login screen and after a successful login they will return to the main screen.	

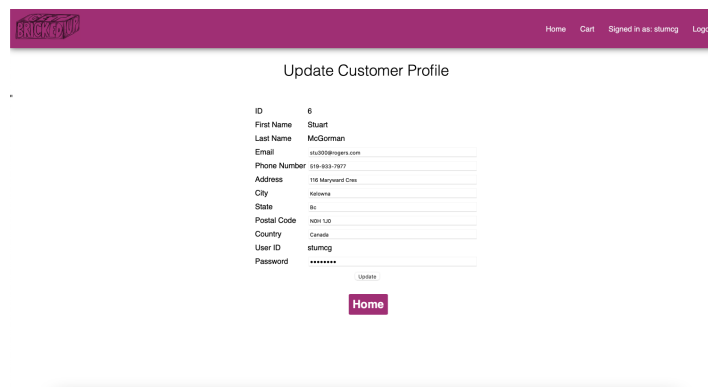
Main Screen: from the main screen users can navigate to begin shopping, go to customer account portal, admin portal and see all orders.



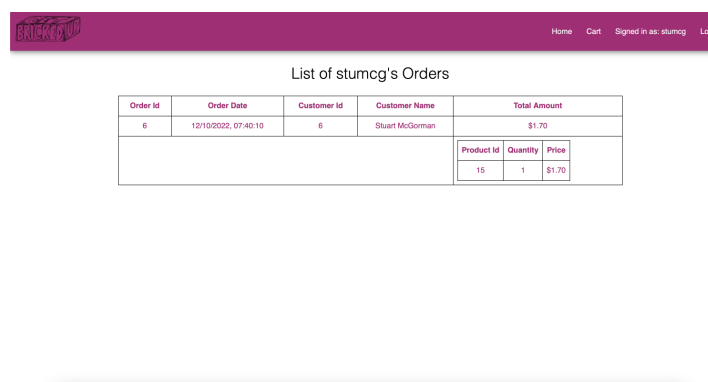
Customer info portal: this page will allow users to view their personal info and navigate to edit their personal info or view their orders.



Edit account page: Here users can update their account info where it will be updated in the database. The same validations as create account page are used.




My Orders page: here users are able to view all of their orders with their respective info and contents.



Back to main page and then admin portal

Admin portal page: here users are able to view the total sales, total amount of orders, an administrator sales report by day with a corresponding graph and a list of all customers. They can also navigate to add a new product or view product inventory by warehouse



[Home](#)
[Cart](#)
[Signed in as: stuncup](#)
[Logout](#)

[Add a New Product](#)

[Update a Product](#)

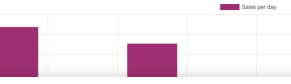
[Product Inventory](#)

Total Sales: \$1010.3

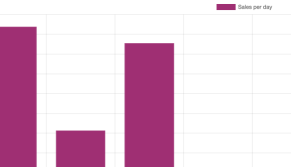
Total Orders: 11

Administrator Sales Report by Day

Order Date	Total Order Amount
2019-10-15	509.10
2019-10-16	106.75
2019-10-17	327.85
2022-12-9	2.90
2022-12-10	64.10



Sales per day




Sales per day

List of all customers

First Name	Last Name	Customer ID
Arnold	Anderson	1
Bobby	Brown	2
Candace	Cole	3
Darren	Doe	4
Elizabeth	Elliott	5
Stuart	McGorman	6

Add Product page: Here users are able to add a product to the database when all fields are inputted.



HomeCartLogin

Add New Product

Product Name

Category Id

Product description

Product Price

Add

Product Inventory page: users are required to select a warehouse where corresponding product inventory will then be displayed. Users can also navigate to edit product inventory.

[Home](#) / [Back](#)

Product Inventory

Select Warehouse: 1

Warehouse: 1

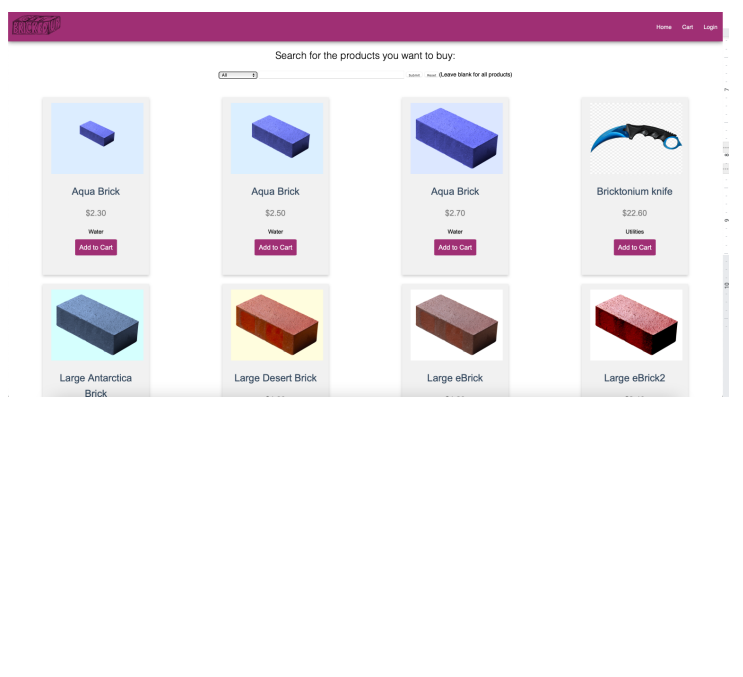
Product ID	ProductName	Quantity
1	Small eBrick	5
2	Medium eBrick	10
3	Large eBrick	3
4	Small eBrick2	2
5	Medium eBrick2	6
6	Large eBrick2	3
7	Small Laze Brick	1
8	Medium Laze Brick	0
9	Large Laze Brick	2
10	Small Desert Brick	3

[Update Inventory](#)

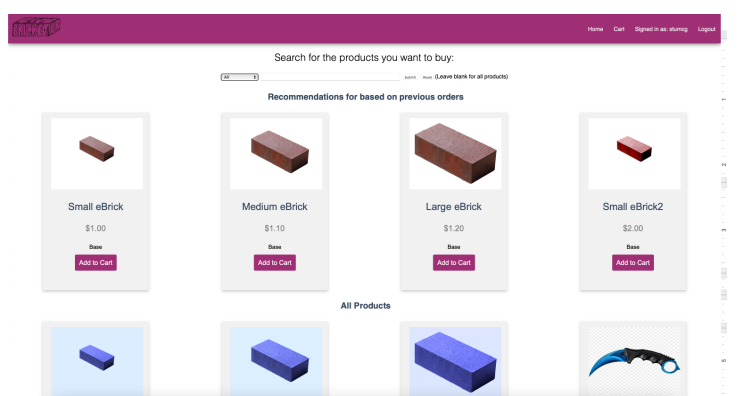
Edit Product Inventory page: here users are required to select the warehouse they would like to update the inventory in. They will then have to select the product ID and enter the new quantity to update the inventory in the database.

From the home page click 'Begin Shopping'

ListProducts page: This is where users will find all of the getBrickedUp products. Products are displayed with their picture, name, price and category on individual product cards. Users can also choose to add a product to their cart directly from the card. These cards are displayed in a grid style 4 wide. Users can scroll through to see all products or use the search bar or category filter in order to narrow their search. This page will also show recommended products.

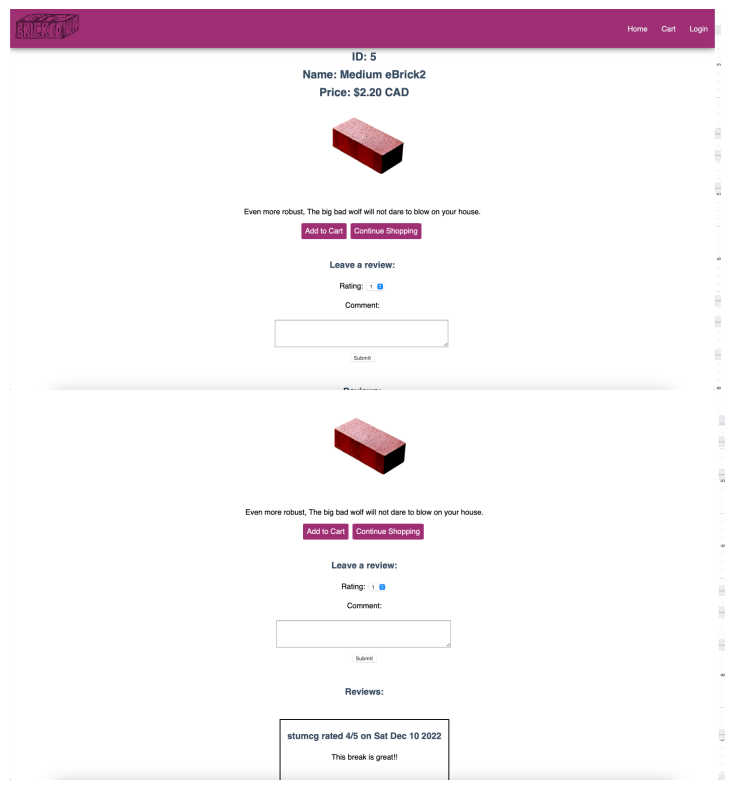


Recommended products: If a user is logged in and has made an order with getBrickedUp before they will have up to 4 recommended product cards displayed for them at the top of the list products page followed by all the available products on our site.



By clicking on either the product photo or product name users are sent to the page for that product.

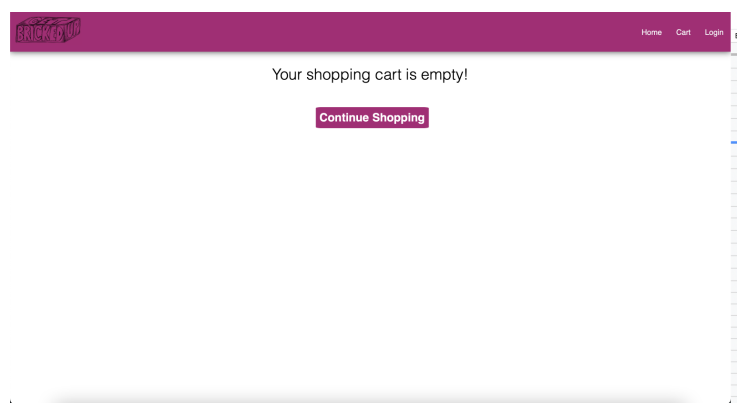
On the product page users can see the product id, name, price, picture and description. Users can choose to add the product to their cart or continue shopping. They also have the ability to leave a review if they are logged in. Once they leave a review it will be displayed at the bottom of the page. Users can only submit one review per product.



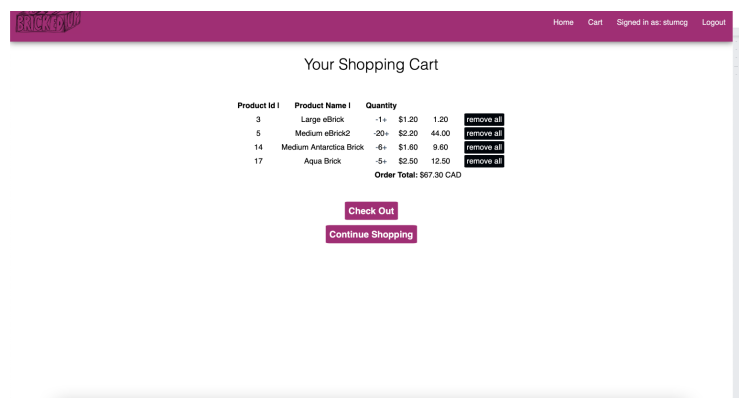
By clicking 'continue shopping' users will navigate back to the list products page

By clicking 'add to cart' the item will be added to their cart and users will be directed to the cart page.

Cart Page: When the cart is empty the page will tell users that their cart is empty and they will have a continue shopping button to navigate back to the products page.



Cart page: when users add an item to their cart they are brought here where they can see the items in their cart as well as their respective quantities. Users can also change the quantities of individual items and return to continue shopping or go to checkout.



Checkout page: Here users are required to login if not already. Their account's shipping address will auto populate the fields but they will have the option of changing it before submitting to continue to the order summary page

Order summary page: here the customers order details and contents are displayed

Order Summary

Order Id	Order Date	Customer Id	Customer Name	Total Amount
14	12/16/2022, 06:51:41	6	Stuart McGorman	\$58003.80

Product Id	Quantity	Price
1	2	\$1.20
14	4	\$1.60
17	10	\$2.50
20	1	\$580020.00

[return to home](#)

From the home page click 'List All Orders'

List all orders: this page will display orders taken in the database as well as their respective info and contents.

Order Id	Order Date	Customer Id	Customer Name	Total Amount
1	10/15/2019, 10:25:55	1	Arnold Anderson	\$91.70

Product Id	Quantity	Price
1	1	\$18.00
3	1	\$31.00
5	2	\$21.35

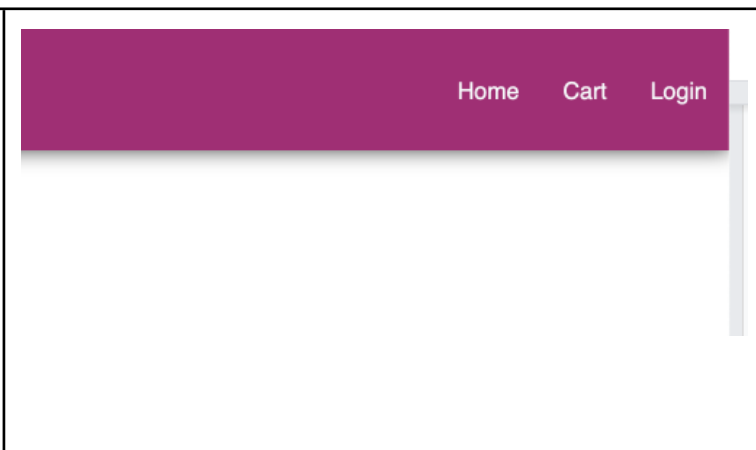
Order Id	Order Date	Customer Id	Customer Name	Total Amount
2	10/16/2019, 18:00:00	2	Bobby Brown	\$106.75

Product Id	Quantity	Price
5	5	\$21.35

Order Id	Order Date	Customer Id	Customer Name	Total Amount
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Header

When using the site without being logged in the header will display the home button, cart button and a login button. By clicking login they are directed to the login page. Clicking the cart button will direct the user to their cart page and by clicking either the home button or the logo (seen on



the far left of the header)
they will be directed to the
home screen.

When signed in the header
will display the user signed
in, by clicking this they will
be directed to the edit
account page. It also displays
a logout button that will sign
the user out when clicked.

[Home](#)

[Cart](#)

Signed in as: stumcg

[Logout](#)