COSC 304 Project Introduction to Database

DIRT LAND

Henry Augustiano Kevin Mario Mete Cil Nick Chen



1. Introduction

1.1 Mission Statement

Dirt Shop's mission is to provide every dirt lover with fresh and unique dirt categorized by soil type. Users should be able to find their desired dirt UNIQUE for each user because we are a direct supplier and freshness is our motto.

1.2 Mission Statement

Soil which is also commonly referred to as dirt is a mixture of minerals, organic matter, and maybe animal dirt and in some cases, human faeces (if unlucky) provide us humans with a medium to grow a plantation.

We could not deny that soil provides a host of crucial services for both people and the planet. Soil puts food on our plates, purifies our water, protects us against floods, and combats drought. Therefore, in honour of soil, we are trying to spread awareness about how important and magnificent soil is.

> DIRT LAND WHERE WE DO THE DIGGING FOR YOU.

2. System Features

Final Overall System Features	Category	Possibl e Points	Points	Comments / Code Files
Documentation		Fonts		
Executive Summary (up to 1 page)	Core	2		FINAL DOC
System Features (2 pages)	Core	2		FINAL DOC
Walkthrough with screenshots (up to 15 pages)	Core	6		FINAL DOC
Hosting				
Running on cloud server	Advanced	10		only static pages hosted on Azure <u>https://dirtlandweb.azurewebsites.net/</u>
Main/Home Page				
Search for a product by name	Core	1		listprod.jsp
Browse products by category	Core	1		listprod.jsp
List products (by search/browse)	Core	1		listprod.jsp
List products with image	Core	1		listprod.jsp
Page header with menu	Basic	1		listprod.jsp
Page header shows current logged in user	Basic	1		listprod.jsp
Dynamic products on page based on sales	Basic	2		topprod.jsp
Improved UI (user-friendly, images, etc.)	Basic	2		 auto slide image at lisprod.jsp and topprod.jsp whatsapp floating button on some pages
Product recommendation based on user	Advanced	4		listprod.jsp in drop down filter
Shopping Cart				
Add to shopping cart	Core	1		showcart.jsp
View shopping cart	Core	1		showcart.jsp
Update quantity (with data validation)	Basic	1		showcart.jsp
Remove item from shopping cart	Basic	1		removeCart.jsp
Improved formatting/UI (e.g. in header bar)	Basic	1		showcart.jsp / navbar.jsp
Cart stored in database between sessions	Basic	3		addcart.jsp
Checkout				
Checkout with customer id	Core	1		login.jsp
Checkout with data validation	Basic	2		validateLogin.jsp
Multiple shipments per order supported	Advanced	2		Note: Requires DB change.
Calculate taxes/shipping (by items/state)	Advanced	2		Note: Requires DB change.
Product Detail Page				
Product detail page and item description	Core	1		product.jsp
Product detail has an image from database	Core	1		product.jsp

User Accounts/Login		2				
Create user account page	Basic	2	createAccount.jsp			
Create account with data validation	Basic	2	createAccount.jsp			
Edit user account info (address, password)	Basic	2	myaccount.jsp (form) editCustomer.jsp (execute update statement)			
Login/logout	Core	1	login.jsp / logout.jsp			
Page listing all orders for user	Core	1	listOrder.jsp			
Product Reviews						
Ability to enter a review on a product	Basic	2	addReview.jsp			
Display product review on product detail page	Basic	1	product.jsp			
Warehouses/Inventory						
Display item inventory by store/warehouse	Basic	2	inventory.jsp			
Edit item inventory by store/warehouse	Advanced	3	editinventory.jsp			
Administrator Portal						
Secured by login	Core	1	adminauth.jsp			
List all customers	Core	1	adminListCust.jsp			
List report showing total sales/orders	Core	1	admin.jsp			
Report with a graph	Advanced	3	Google Visualization API (admin.jsp)			
Add new product	·		addProduct.jsp (form) and addProductBackend.jsp (insert) statement			
Update/delete product	Basic	2	editProduct.jsp			
Upload a photo to file system for product	Advanced	2	editProductBackEnd.jsp			
Database System/General						
Use AJAX for some pages	Advanced	4	Whatsapp floating button on most page in listprod.jsp			
User interface and navigation/usability		Up to 5	navBar.jsp			
Others (your suggestions)		Up to 5	Google translate API at index.jsp bootstrap card at topproduct.jsp			
Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)						

3. Login Information

Admin:

username	password
1	ethan

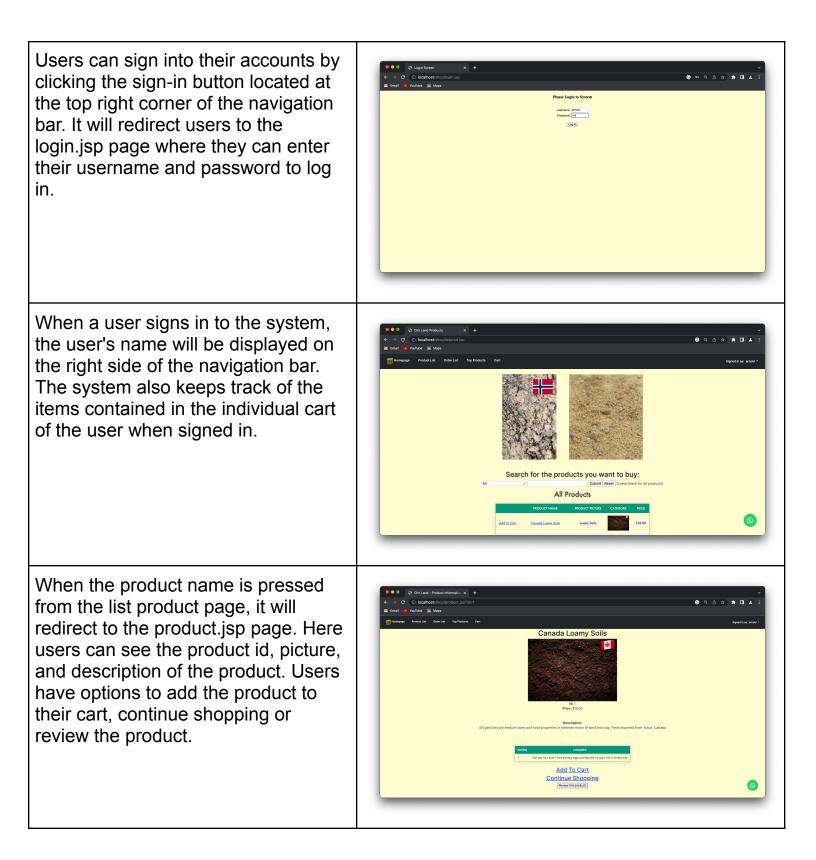
Customer:

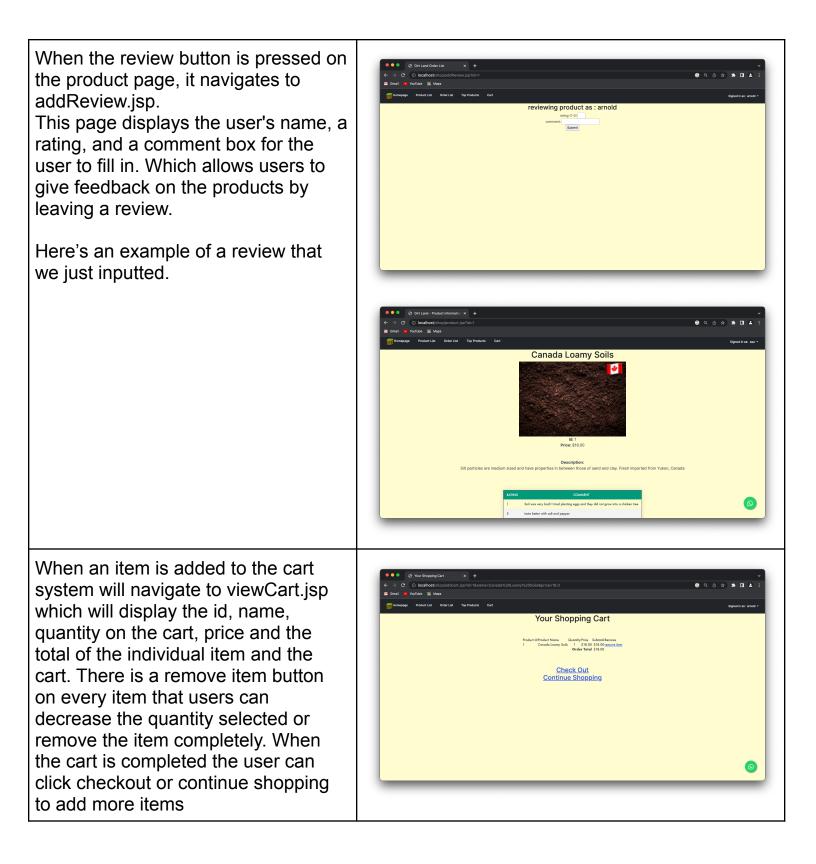
username	password
arnold	test
bobby	bobby
candace	password
darrren	pw
beth	test

4. Project Walkthrough

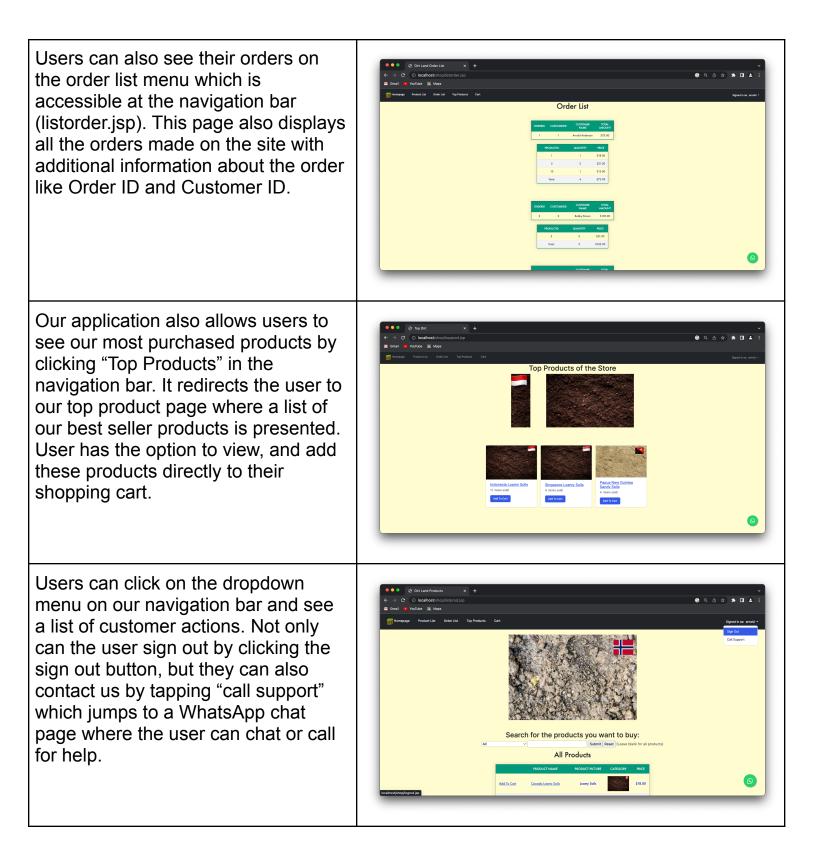
Customer Experience

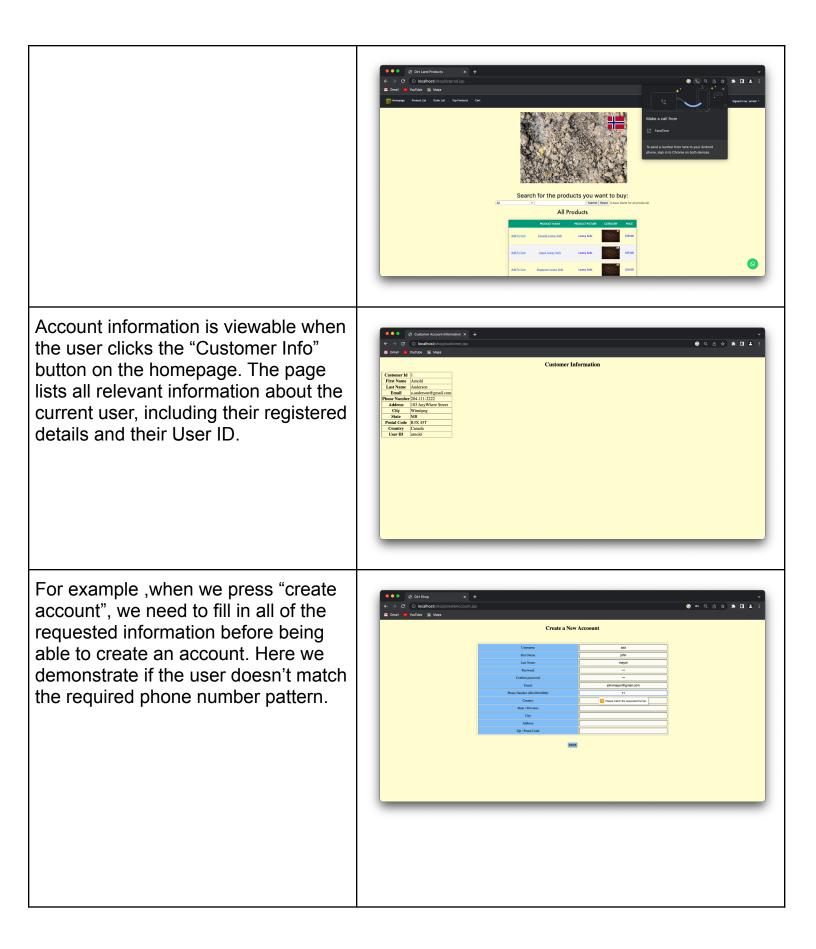
Description	Screenshots
Our main page is located at index.jsp. This is the page that users and admins use to navigate to the other five pages which are Create Account, Begin Shopping, List all Orders, Customer Info, and Administrators. Users could also use google translate API at the bottom of the page.	Interviewe intervie
When Begin Shopping clicked on the main page, it will redirect the user to listprod.jsp which contains the display of all the products in the database with the product name, picture, category and price. Users can scroll through the product list and add the product to their cart.	Image: Control of the default is not interpreted in the default is not interp



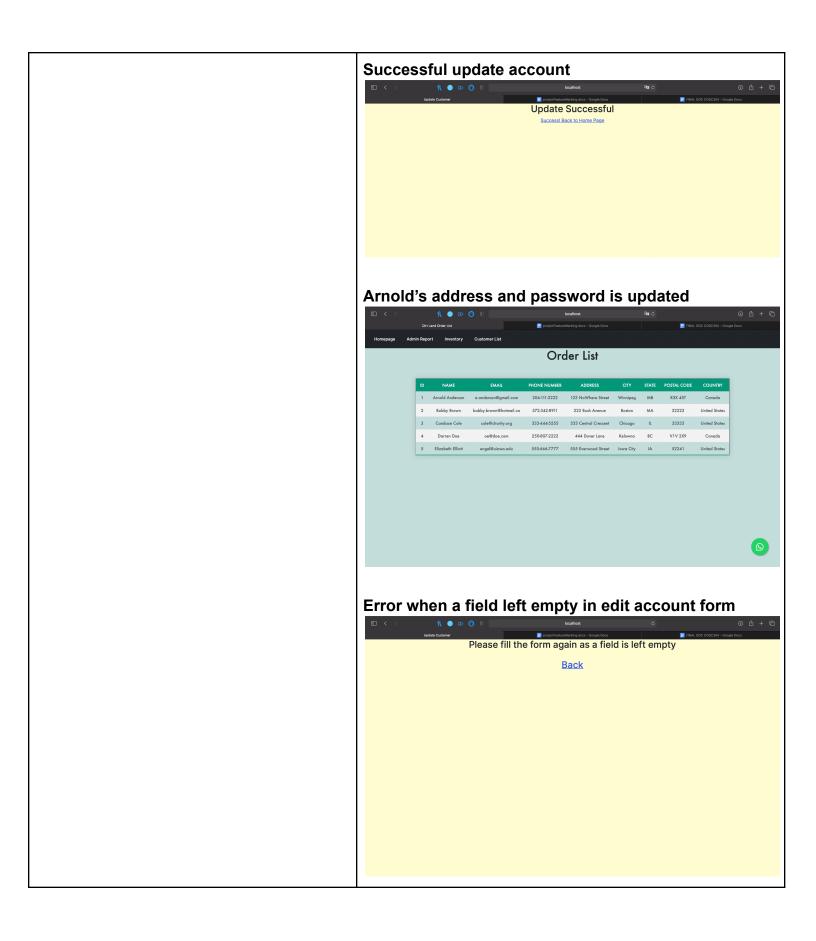


Users can also browse products by © < ∆ ☆ *** □ ≛** choosing a category on the scroll bar PAR A at listprod.jsp. This will display the Search for the products you want to buy: products in that specific category to All Products screen for user convenience. 0 The system also displays the Search for the products you want to buy: recommended products to the user. It All recommended products shows a table of products the user Products you previously ordered previously bought and there is also \$21.00 2019-10-15 10:25:55.0 Add To Cart another table below which shows \$13.00 2019-10-15 10:25:55.0 similar products which have the same \$18.00 2019-10-15 10:25:55.0 categories as the products the user previously ordered. Users can also Similar products search recommended products' names using the search bar. Similar products Add To



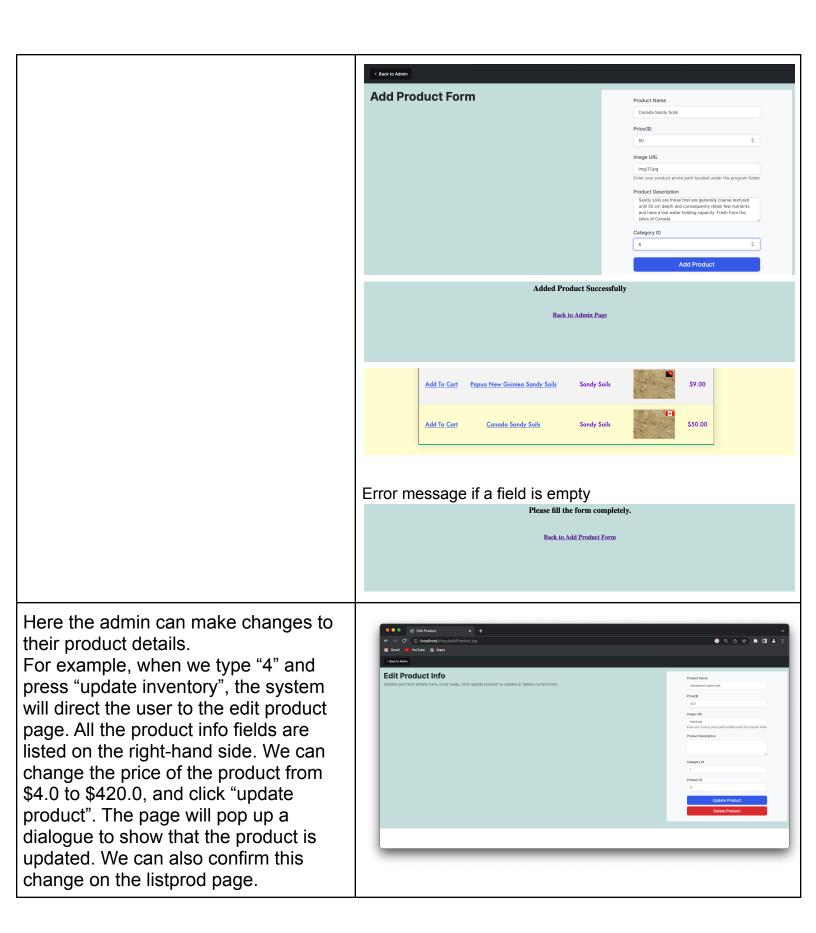


we can now log in as "asa" after a successful account creation	<image/>
Another feature is users can edit their account's address and password. Beforehand, users have to log in first and then be able to update their address and password. If users leave either the password field or address field empty, it will show an error	Error message when users are not logged in Please login by clicking the link below. Login Or if you don't have an account, click the create account link below. Create Account
message and a link to go back to filling up the edit account form again	Edit account information



Admin Experience

Description	Screenshots
When a user clicked the admin button on the main page, the system will direct the user to the admin login page. The page allows users to sign in with their admin id and admin names. Once done, the user can click "log in" and the system will authenticate the user and verify their information. If all details are correct, the system will direct the user to the admin page.	Image: Source of the set in tage
Once the admin has successfully logged in, the system will direct the user to the admin page. The admin portal comprises the sales report table and the sales report statistics implemented using google charts. On the manage product section, the user can enter the product id that they want to update, and click update inventory to edit the product info.	
Admins can also add a new product to the database by filling up a form. It returns an error if a field is left empty. If product is added successfully it will show "Added Product Successfully" and a link to the admin page.	



	4	Add To Cart	<u>Switze</u>	rland Loamy	<u>Soils</u>	Loamy Soils		\$420
The admin page allows offer modification of the product inventories. From the navigation bar, the user can click "Inventory" which jumps to the inventory page. From here, the system lists out all current inventories each with their product ID, Warehouse ID, Quantity and Price. To edit the inventory, the user need to enter the product ID that they want to edit and the new quantity of the inventory. To illustrate, here we change the quantity		Contrained with the second secon	weekery (* * * * * * * * * * * * * * * * * * *	Owanthy 5 10 3 2 6 3 1 1 6 9 7 9 12 11 8 7	Price 18.00 19.00 19.00 22.00 25.00 25.00 30.00 14.00 15.00 15.00 15.00 25	Product ID: New Quantity:	Correspondent la Correspondent la Correspondent la Correspondent la Correspondent la Correspondent la Correspondence de la Corresponden	* * 0 4
of product with product ID 1 from 5 to 68 and clicked "update inventory" to		Product I	D	Wareho	ouse ID	Quantity		Price
update.		1		1		68		18.00

The admin portal also offers a customer list. The user can navigate to the customer list when clicking the "customer list" on the navigation bar. Here the system will present a list of customers that are registered in the system, with their customer Ids, names, emails and more. However, their credentials are not listed here.

← → C ③ localhost/shop/adminListCust Gmail ■ YouTube 📓 Maps	.jsp									© Q @ ☆ ≯ □
Homepaga Admin Report Inventory CustomerList										
				Custo	omer List					
	ю	NAME	EMAIL	PHONE NUMBER	ADDRESS	an	STATE	POSTAL CODE	COUNTRY	
	1	Arnold Anderson	o.onderson@gmail.com	204-111-2222	103 AnyWhere Street	Winnipeg	MB	R3X 45T	Cenada	
	2	Bobby Brown Candace Cale	bobby.brown@hotmeil.co	572-342-8911	222 Bash Avenue	Boston	MA	22222	United States	
	4	Condoce Cole	cole@charity.org oe®doe.com	333-444-5555	333 Central Crescent 444 Dover Lone	Chicogo Kelowto	IL BC	33333 VIV 2X9	United States	
	5		uba.ovo.edu	555-666-7777	555 Everwood Street	lawa City	IA	52241	United States	