

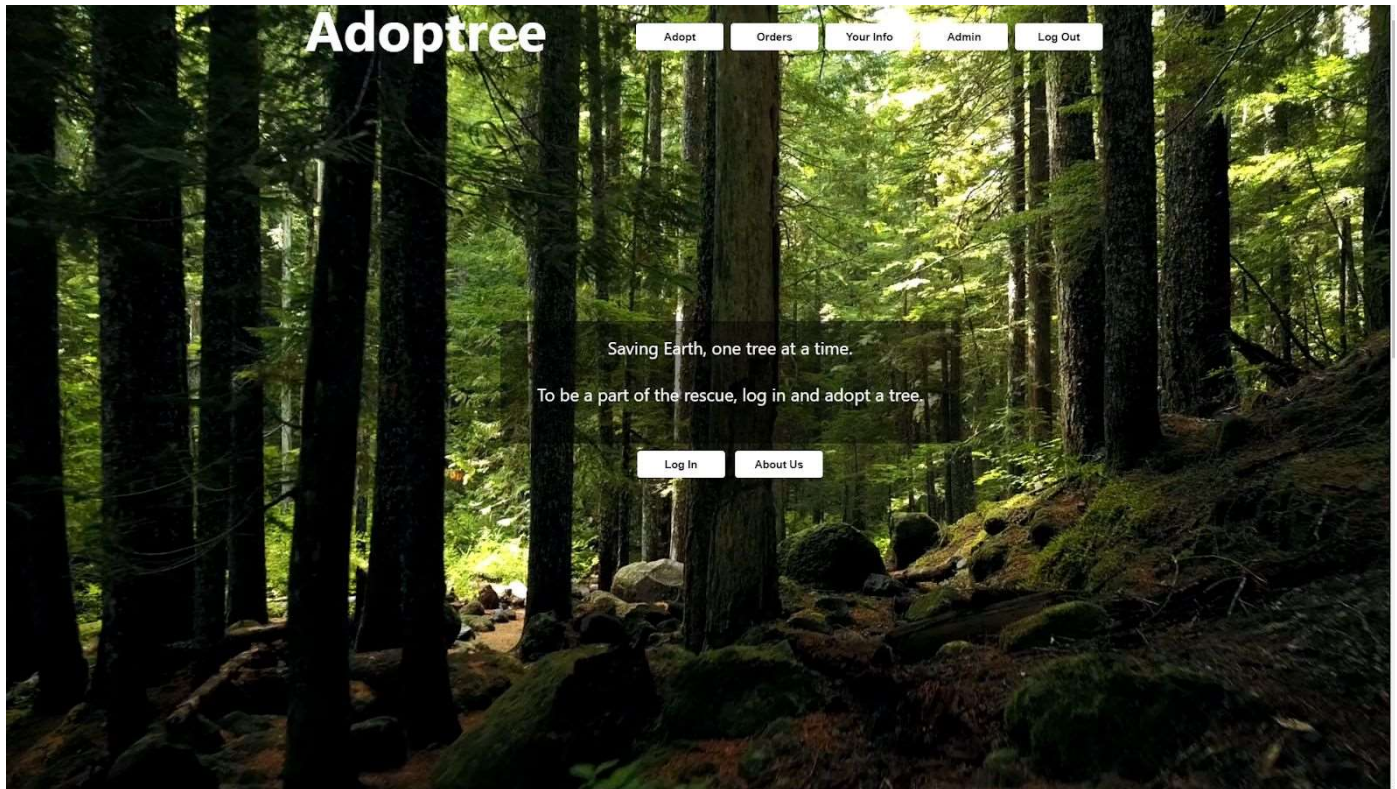
Adoptree

**COSC 304-001
Final Documentation
November 30, 2019**

Submitted by:

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1. Introduction



1.1 Mission Statement

Global warming has affected people all around the world. Carbon dioxide is being produced at a rapid pace, trapping heat and causing global temperatures to rise. More natural disasters are happening around the world; there is an increasing need to deal with this issue. One of the methods to reduce the amount of carbon dioxide in the atmosphere would be to plant more trees. Trees absorb carbon dioxide from the atmosphere and release oxygen; this improves the quality of the air we breathe and reduces the effects of global warming. Our mission is to implement a system that will allow individuals to choose a tree they like and a suitable location to plant it. The individual would make a payment based on the variety of tree and location; a farmer would plant the tree for them in his/her own country and take care of it. The money paid by the customer will provide the farmer with sufficient financial resources to plant and maintain the tree inside his farm. Besides being a benefit to the ecosystem, many of the trees planted will also produce food items which can be consumed by the locals or sold for profit. We want to allow individuals to contribute towards saving the environment and helping the local communities, one tree at a time.

1.2 Executive Summary

Adoptree is a web-based store that allows individuals to plant trees around the world. We hope to reduce global warming by facilitating the planting of as many trees as possible. By giving the customers many options for planting trees, we hope to cater to the individual preferences of each customer as much as possible. By allowing customers to make a payment for the planting of trees, we are encouraging individuals to support this social cause and play an active role in helping the environment and supporting local communities.

The online store provides simple navigation for customers to peruse through the available types of trees. While shopping, customers can filter by category such as food, fruit, drink, herb, and so on. Providing value in the search bar allows for a direct search by tree name or country. The search results include the list of trees, countries, category, and price; customers are also able to add a tree to their cart.

A more detailed tree profile can be accessed by clicking on the tree name. The tree profile provides the same information as the search results, plus the tree's picture and description.

Upon checkout, the orders can be processed by entering their ID and password; the format is validated. Orders are populated using the default information from the user profile. An account section provides all users with the ability to update their personal profile, view their orders, and review trees that they have planted before.

Administrators are also provided with a series of reports and maintenance related functions. The objective here is to provide the administrator with reports that clearly indicate which trees are most popular, or which trees are bringing in the most revenue. The wide range of administrative functions are intended to allow most administrative tasks to be performed.

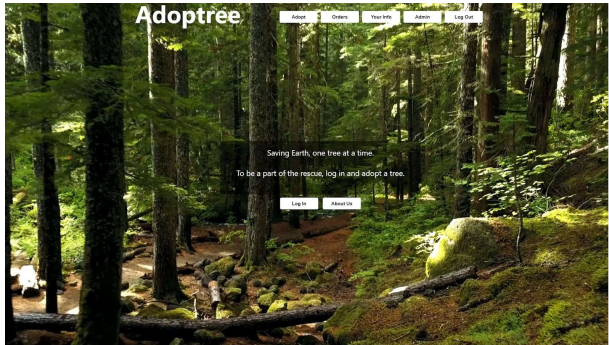
2. List of Features

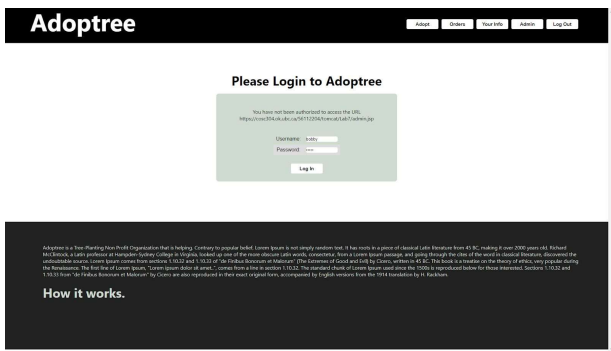
Final Overall System Features	Category	Possible Points	Points	Comments / Code Files
Documentation (10 total points)				
Executive Summary (up to 1 page)	Core	2	2	
System Features (2 pages)	Core	2	2	
Walkthrough with screenshots (up to 10 pages)	Core	6	6	
Hosting (5 total points)				
Running on cosc304 or external server	Core	5	5	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/index.jsp
Main/Home Page (up to 14 total points)				
Search for a product by name	Core	1	1	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/listprod.jsp
Browse products by category	Core	1	1	
List products (by search/browse)	Core	1	1	
Page header with menu	Basic	1	1	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/index.jsp
Page header shows current logged in user	Basic	1	1	For aesthetic purposes, the logged in user is shown at the bottom of the home page.
Improved UI (user-friendly, images, etc.)	Basic	2	2	
Shopping Cart (up to 9 total points)				
Add to shopping cart	Core	1	1	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/listprod.jsp
View shopping cart	Core	1	1	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/addcart.jsp
Improved formatting/UI (e.g. in header bar)	Basic	1	1	
Cart stored in database between sessions	Basic	3	3	
Checkout (up to 9 total points)				
Checkout with customer id	Core	1	1	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/checkout.jsp
Checkout with data validation	Basic	2	2	
Product Detail Page (up to 3 total points)				
Product detail page and item description	Core	1	1	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/product.jsp?id=1
Product detail has an image	Core	1	1	

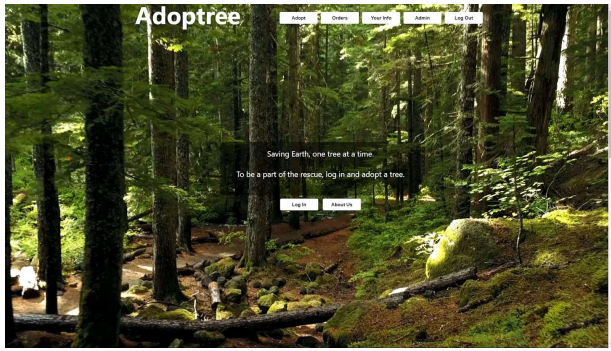
Product detail has an image from database	Core	1	1	
User Accounts/Login (up to 16 total points)				
Create user account page	Basic	3	3	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/createUser.jsp
Create account with data validation	Basic	3	3	Validation on: validateUser.jsp and HTML constraints in createUser.jsp
Login/logout	Core	2	2	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/login.jsp
Page listing all orders for user	Core	1	1	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/listorder.jsp
Administrator Portal (up to 21 total points)				
Secured by login	Core	1	1	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/index.jsp
List report showing total sales/orders	Core	1	1	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/admin.jsp https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/listorder.jsp
Database System/General				
User interface and navigation/usability		Up to 5	5	https://cosc304.ok.ubc.ca/56112204/tomcat/Lab7/index.jsp
<i>Others (your suggestions)</i>		Up to 5		
Presented in class			5	
About Us Section in the homepage with the click of a button			1	
Total: (out of 50 with a maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)			56	

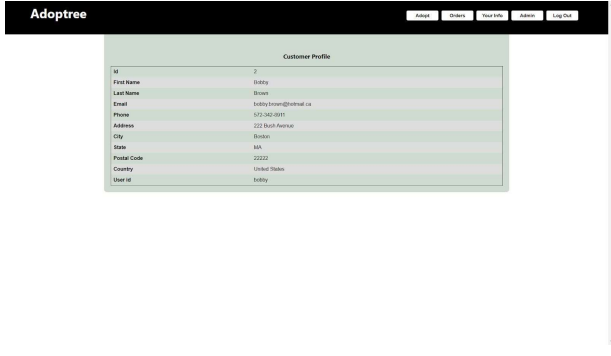
3. Walkthrough

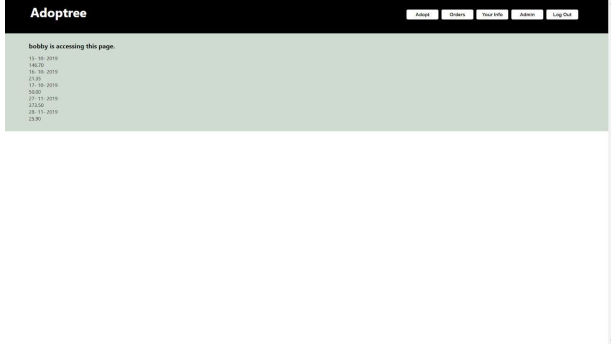
3.1 Administrator Walkthrough

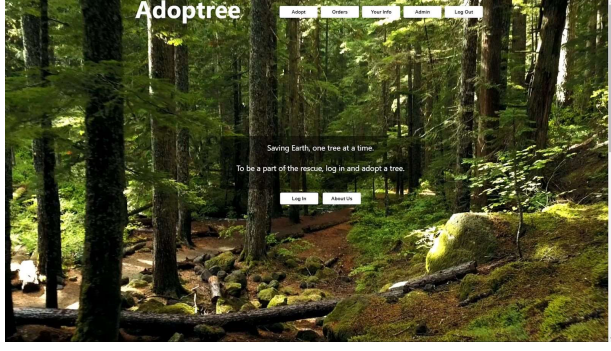
No.	Details	Screenshot
1	<p>Welcome to the homepage.</p> <p>Click on "Log In" in the middle in order to log in. Alternatively, you can click on "Your Info" or "Admin" on the top to log in as well.</p>	

2	<p>Log in to the website using the username “bobby” and password “bobby”.</p>	
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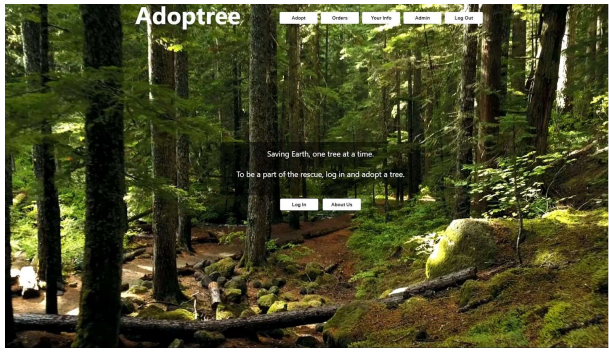
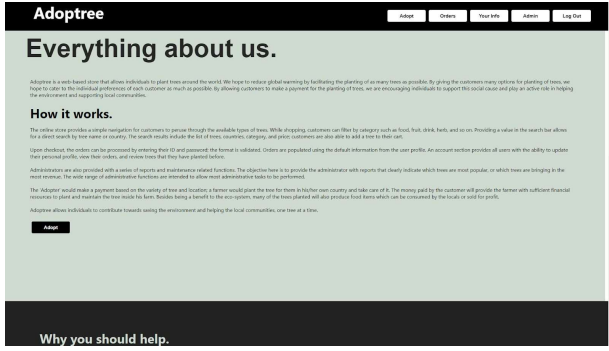
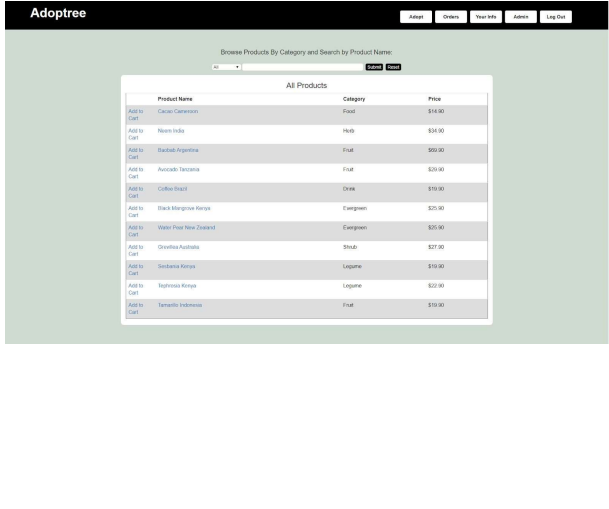
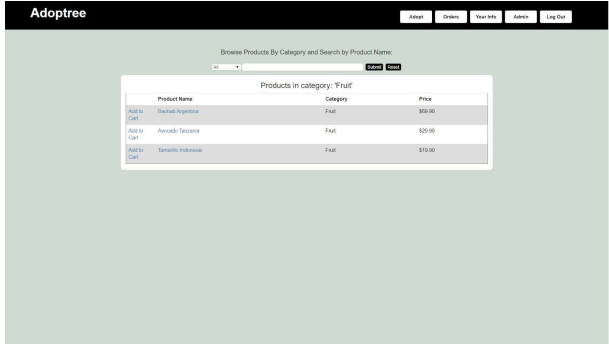
3	<p>You will be brought back to the main page.</p> <p>Click on “Your Info” on the top to access your personal information.</p>	
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4	<p>You will be able to see your personal information.</p> <p>Click on “Admin” on the top to access details about daily orders.</p>	
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5	<p>You will be able to see details about daily orders.</p> <p>Click on “Log Out” on the top to log out of the account.</p>	
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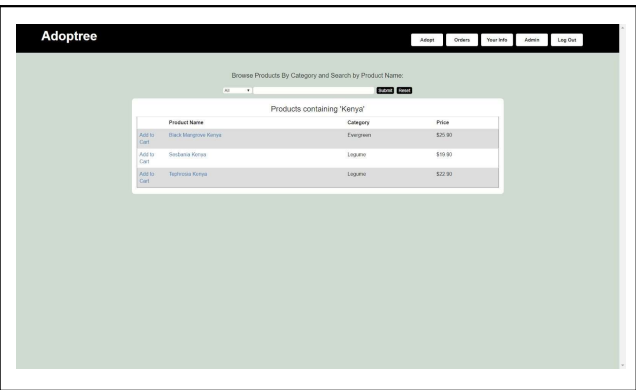
6	<p>And you are done! You will be brought back to the homepage and required to log in again to access Administrator information.</p>	
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3.2 User Walkthrough

No.	Details	Screenshot																																				
1	<p>Welcome to the home page.</p> <p>Click on “About Us” in the middle or scroll down to read our mission statement and executive summary. Scroll down further to be able to read our mission statement.</p>																																					
2	<p>Click on “Adopt” at the top, middle or bottom of the screen in order to access the product page.</p>																																					
3	<p>Type in keywords in the search bar to be able to search for your favourite products or preferred country. There is also a drop-down menu option beside the search bar which allows you to select the category you like. Clicking on reset will reset the text field to blank. Searching using a blank text field and under category “All” will provide the full list of items. Searching using a blank text field and under a specific category will provide the list of items under that specific category. Click on “Category” and select “Fruit”.</p> <p>Leave the text field blank and click “Submit” to view the full list of fruits.</p>	 <table border="1" data-bbox="992 1093 1366 1344"> <thead> <tr> <th>Product Name</th> <th>Category</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>Canada/Canada</td> <td>Fruit</td> <td>\$14.00</td> </tr> <tr> <td>Mexico/Mexico</td> <td>Herb</td> <td>\$34.00</td> </tr> <tr> <td>Argentina/Argentina</td> <td>Fruit</td> <td>\$60.00</td> </tr> <tr> <td>Argentina/Tacama</td> <td>Fruit</td> <td>\$20.00</td> </tr> <tr> <td>Colombia/Colombia</td> <td>Orchid</td> <td>\$10.00</td> </tr> <tr> <td>Spain/Bilbao/Spain</td> <td>Flowerpot</td> <td>\$25.00</td> </tr> <tr> <td>India/Pune/India</td> <td>Flowerpot</td> <td>\$25.00</td> </tr> <tr> <td>Chile/Chile</td> <td>Shrub</td> <td>\$27.00</td> </tr> <tr> <td>Kenya/Kenya</td> <td>Logone</td> <td>\$10.00</td> </tr> <tr> <td>Kenya/Kenya</td> <td>Logone</td> <td>\$20.00</td> </tr> <tr> <td>Indonesia/Indonesia</td> <td>Fruit</td> <td>\$10.00</td> </tr> </tbody> </table>	Product Name	Category	Price	Canada/Canada	Fruit	\$14.00	Mexico/Mexico	Herb	\$34.00	Argentina/Argentina	Fruit	\$60.00	Argentina/Tacama	Fruit	\$20.00	Colombia/Colombia	Orchid	\$10.00	Spain/Bilbao/Spain	Flowerpot	\$25.00	India/Pune/India	Flowerpot	\$25.00	Chile/Chile	Shrub	\$27.00	Kenya/Kenya	Logone	\$10.00	Kenya/Kenya	Logone	\$20.00	Indonesia/Indonesia	Fruit	\$10.00
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4	<p>Moving on, we will be searching for “Kenya” and using the category “All”. Click on “Category” and select “All”.</p> <p>Click on the search bar, type “Kenya” and press enter or “Submit”.</p>	 <table border="1" data-bbox="992 1626 1366 1720"> <thead> <tr> <th>Product Name</th> <th>Category</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>Argentina/Argentina</td> <td>Fruit</td> <td>\$60.00</td> </tr> <tr> <td>Argentina/Tacama</td> <td>Fruit</td> <td>\$20.00</td> </tr> <tr> <td>Indonesia/Indonesia</td> <td>Fruit</td> <td>\$10.00</td> </tr> </tbody> </table>	Product Name	Category	Price	Argentina/Argentina	Fruit	\$60.00	Argentina/Tacama	Fruit	\$20.00	Indonesia/Indonesia	Fruit	\$10.00																								
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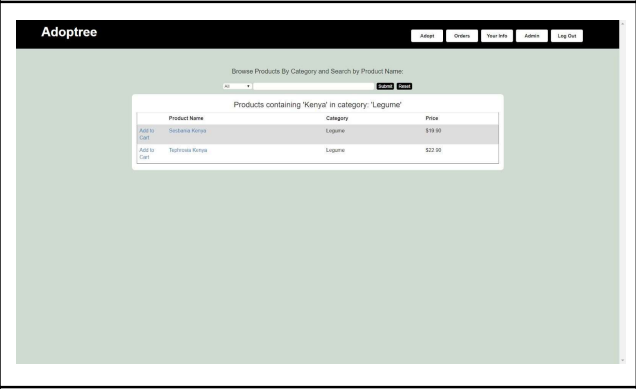
5 Lastly, we will be searching for “Kenya” and using the category “Legume”. Click on “Category” and select “Legume”.

Click on the search bar, type “Kenya” and press enter or “Submit”.



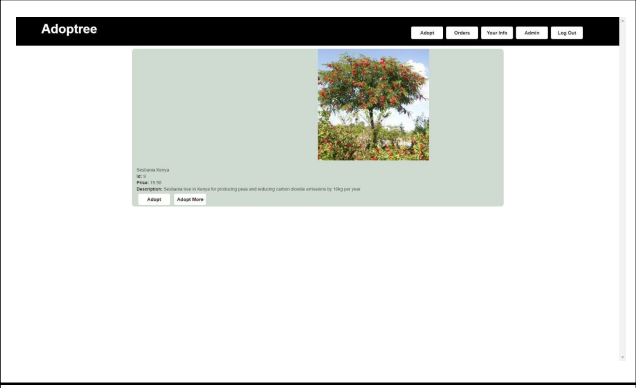
6 Click on the name of the item which you would like to buy will bring you to the product description page.

Click on “Sesbania Kenya”.



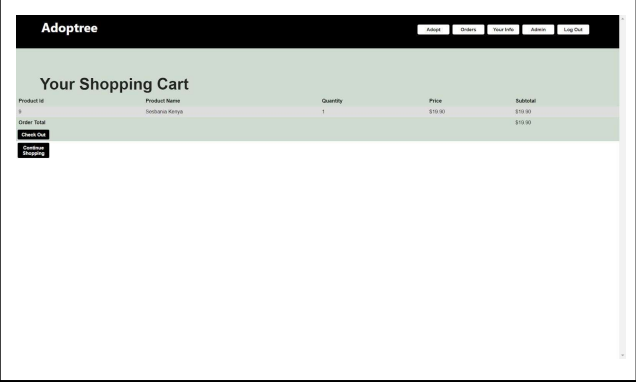
7 You are now at the product description page. Clicking on “Adopt” will allow you to add the item to cart. Clicking on “Adopt More” will bring you back to the product page.

Click on “Adopt”.



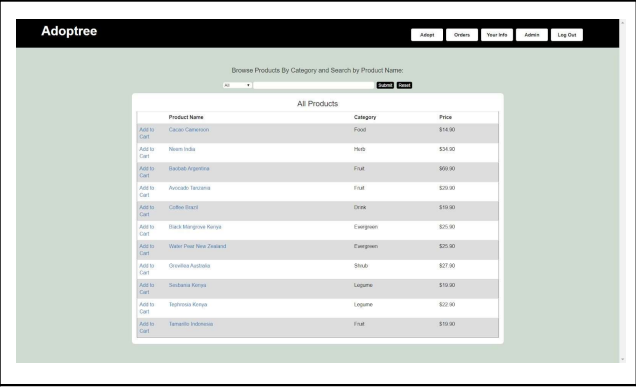
8 You are now at the shopping cart page. Clicking on “Check Out” will allow you to check out your items and make your purchase. Clicking on “Continue Shopping” will bring you back to the product page, where you can add more items to cart.

Click on “Continue Shopping”.

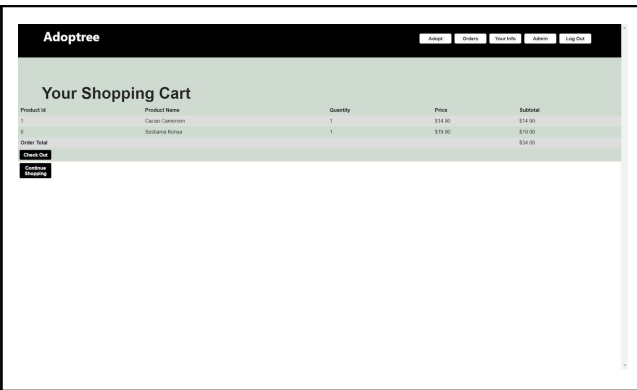


9 You are now at the product page.

Click on “Add to Cart” for the first item to add Cacao Cameroon to the shopping cart.

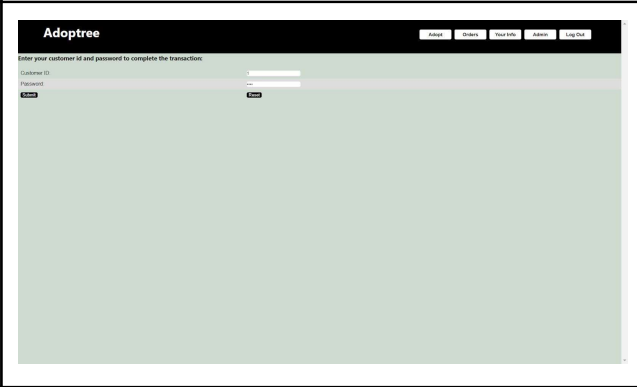


10 Cacao Cameroon has been added to the cart.
Click on "Check Out" to check out the items.



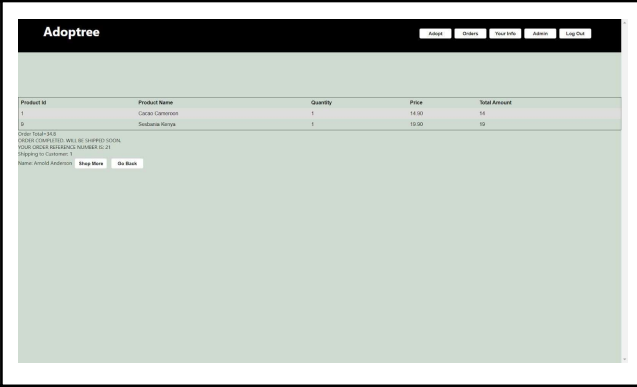
11 You are required to log in to your customer account to make a purchase. There are text fields for your username and password. Clicking "Reset" will reset both text fields to blank.

Type username "1" and password "test", then press "Submit" or enter.



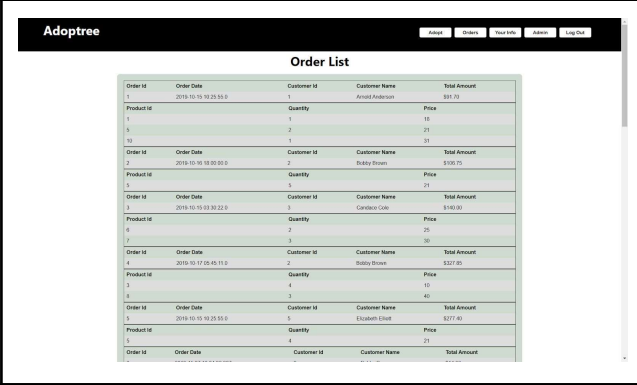
12 You are now at the order processing page. Clicking "Shop More" will bring you back to the product page. Clicking "Go Back" will bring you back to the home page.

Click on "Orders" at the top to view the order list.



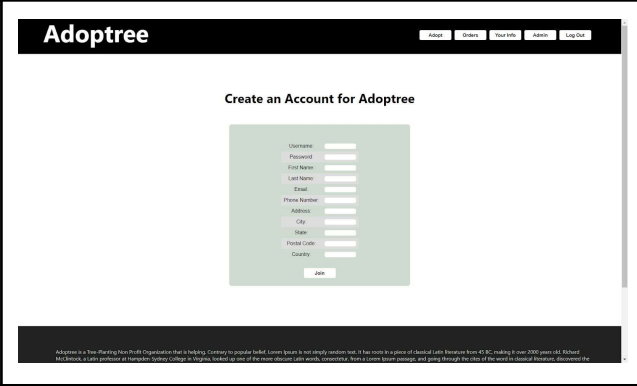
13 You are now at the orders page. Scroll down to view all the items in the order list.

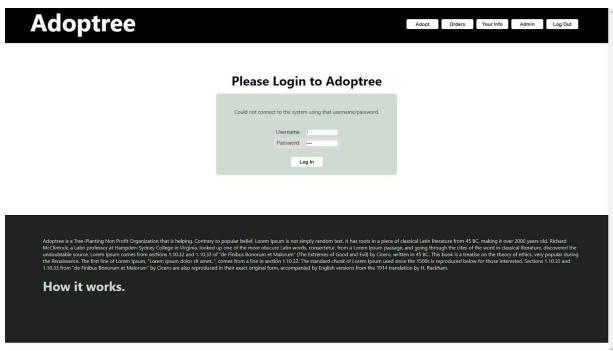
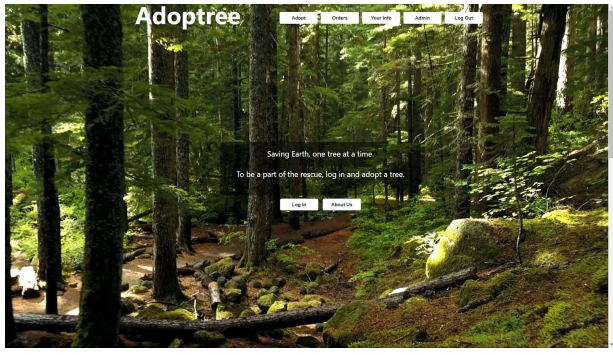
Click on "Adoptree" at the top left corner to go back to the homepage, then click "Join" from the header to sign up as a new user.



14 This is the page to join Adoptree as a user.

Enter your information and click "Join" at the bottom to sign up as a new user.



<p>15</p>	<p>This is the page to log in as a user.</p> <p>Use the user account you have created to log in. Otherwise, try username “1” and password “test”. Click on “Log In” at the bottom to log in.</p>	
<p>16</p>	<p>You will be brought back to the homepage.</p> <p>Click on “Your Info” to view your info.</p>	
<p>17</p>	<p>You will be able to see your information.</p> <p>And you are done with the walkthrough!</p>	