

Barter Box Milestone #2

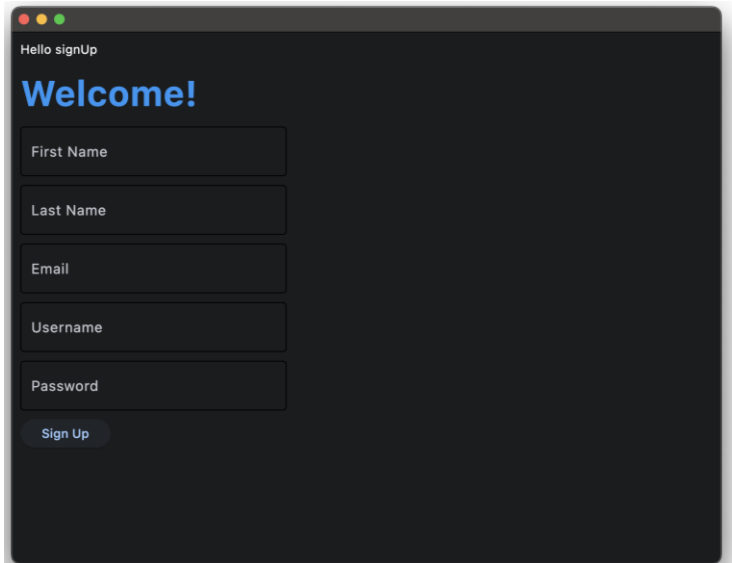
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Project Description:

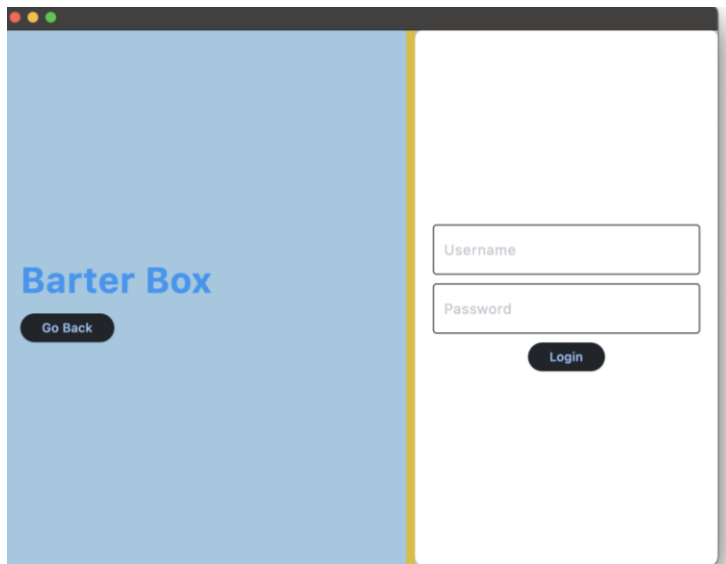
Barter Box is a community-focused trading app that allows users to exchange surplus items, such as groceries or household goods, for points that can be used to acquire other essentials. Designed for individuals, families, and small business owners, Barter Box helps reduce waste and save money by facilitating easy trades within local communities. The app's user-friendly interface and focus on sustainability make it ideal for anyone looking to declutter, stretch their budget, and support a more environmentally conscious lifestyle.



Feature #1: Authorization



A dark-themed user interface for a signup page. At the top left, it says "Hello signUp". Below this is a large blue "Welcome!" heading. To the left of the main content area, there is a vertical stack of five text input fields labeled "First Name", "Last Name", "Email", "Username", and "Password". Below these fields is a dark "Sign Up" button.



A light-themed user interface for a login page. The page is split vertically by a thin yellow line. The left side has a light blue background with the text "Barter Box" in blue and a dark "Go Back" button below it. The right side has a white background and contains two text input fields labeled "Username" and "Password", followed by a dark "Login" button.

]Upon entering the application, users are immediately directed to the signup page, where they will find a series of required fields necessary for completing their profile, such as name, email, and password. These fields help ensure that each profile is unique and


secure. Once the user fills out and submits the signup form, they are redirected to the login page.

The login page serves as the primary gateway for authentication, validating the email and password against stored credentials to confirm the user's identity. If any of the login details are incorrect, such as an unrecognized email or an incorrect password, a clear prompt will appear, advising the user to recheck their information. This process ensures secure access while providing users with clear guidance on resolving any login issues.

Feature #2: Creating a post

List Product/s for Barter

Add no more than 4 pictures



Products Details

Title of product *


Description: EXPIRATION DATE REQUIRED is it properly sealed? etc.. *

Quantity *

Amount of points you want *

Zip Code *

Add a picture of the expiration date:



*

Post




Like so many online platforms, posts are the *body* of Barter Box. After creating an account, there are only two ways to interact with other users: creating and selecting to interact with posts. The pictures above help depict the process of the former.

The first row allows for the user to upload pictures of the product they are offering up/creating the post for, essential for any marketplace as most people are unwilling to buy something they cannot see. We are providing multiple slots for pictures, a common practice that can be seen on shopping sites from Amazon to Facebook Marketplace (the latter being more comparable since our app is driven by user created postings).

The next segment requires the user to input what we see as necessary information about the good they are making the post for. This includes a name for the post, a description of the goods from outside of the title, where vital information such as expiration or further explanation as to why they are looking to get rid of it. After that is quantity, which ties back into the core idea that if Barter Box is a place to easily get rid of things you do not need, people need to know how much they can expect to pick up. The quantity is followed by points, another key aspect of Barter Box, as we are opting not to create a marketplace not based on currency but rather trading with a focus on community. While this system may not be as secure as the authentication of real payment systems, since our economy is based on excess goods, the worst thing an abuser of the point system could achieve is help more people get rid of things they do not want in their house.

The final two fields are zip code and a separate place to upload a picture of an expiration date. The decision to go with zip code for now is to indicate general location/adjacency without the risk of posting your address from the start. Address would be expected to be provided later on should the user choose to have someone pick up their goods. The expiration date picture is marked as required for now but will likely be changed to only pop up should the user indicate, maybe via drop down menu, whether or not the goods that they are posting are perishable.

Feature #3: Viewing a post/Completing A Transaction

	
1000 points	1000 points
<p>Description</p> <p>Lightly used mountain bike in great condition. Perfect for trails and city rides. 21-speed gear system, sturdy frame, and recently serviced. Ready for adventures!</p>	<p>Description</p> <p>Lightly used mountain bike in great condition. Perfect for trails and city rides. 21-speed gear system, sturdy frame, and recently serviced. Ready for adventures!</p>
<div><p>2113 mulberry lane</p><div>view profile</div><div>ask a ?</div><div>start transaction</div></div>	<div>buyer</div> <div>waiting for confirmation</div> <div>seller</div> <div>waiting for confirmation</div> <div>Confirm</div>

After making posts, interacting with posts can be seen as the final core aspect of BarterBox. Posts will be both viewable via a timeline/feed based on proximity or searchable by keyword. Once a user sees a post that they would like to interact with, clicking on it will provide them with all the information entered when the user created the post. From there, they can decide whether or not they are interested in the good/goods being offered.

Should the user decide that they are interested, clicking the start transaction button sends a message to the poster alerting them that another user has decided to try to “purchase” the goods. This will then put the two parties into contact, either by phone or email depending on their preferred messaging system (we are looking at an in-app messaging system as a possible stretch goal). From there, the two parties can discuss whether the poster would rather deliver the goods or have the user come pick them up. The interaction will not be complete until both parties confirm the transaction, a practice common for delivery apps such as DoorDash. After that, the user and poster will have the chance to leave a customer review, rating the interaction, the app’s functionality, and the other user as well. Only the review concerning the other user will be viewable by other users. Then finally, the points will be transferred to the poster’s account and the transaction will be considered complete, taking the post down.