

Project Specification

Members:

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list of functionality for your project:

1. Front Page functionalities:

This page is the home page of our project and it is primarily used for customers to browse items. It also have several urls which will direct user to other phases during trading:

Primary Functions:

- a. Product Viewing: this function is achieved by implementing a pinterest like UI which will show pictures of the product for users to browse and select.
- b. Product Search: Searching could be achieved by user type in or user speech input.
- c. Product sorting: Sort products based on user request, price, distance, and user ratings.
- d. Category selecting: A navbar or dropdown menu will be shown on this page for users to select the category of the items.
- e. (the page will fit all screen size including PC, tablet and phone by using bootstrap)

Relevant urls will be shown on this page as tab or button:

- f. User registration.
- g. Item uploading for selling: allow sellers upload their new product to sell.

2. User(Customer and Seller) registration page functionalities:

This page is used for first time users to register their account.

Primary Functions:

- a. Create account, set password and email address.
- b. Allow users choose several product species they are interested in.

3. Item uploading for selling page:

This page can be directed from the front page. The page will guide users to upload their items to the webpage for selling.

Primary Functions:

- a. Upload pictures of the item using Django FileField.

- b. Select categories that best describe this item, and store the information in the corresponding field in the item model (Many-to-one relationship).
- c. The default status of the item is unsold; once sold, the status should be switched to sold and no longer available (One-to-one field).

4. User pages:

This page could be used for both customer and seller and it is used to show user information and their items for sell:

Primary Function:

- a. Display basic information of this user.
- b. Show the products this user wants to sell.
- c. Show user preferred trading locations and the login user can change his/her preferred locations.
- d. Show real time map location of the user if the user permits to share his/her location.

5. Product page:

This page is used to show the detail information of the product the user selected in the home page:

Primary Functions:

- a. Display all pictures, detailed description and status of the product. The status could be on sale, pending or sold out.
- b. Display a comment textbox, which could send a message to the seller through email.
- c. Display preference address of the seller on a map.
- d. After the seller and customer make a deal, the seller could initiate an order and send a url to the customer's email address. This url could direct to the placing order page.

6. Placing order page:

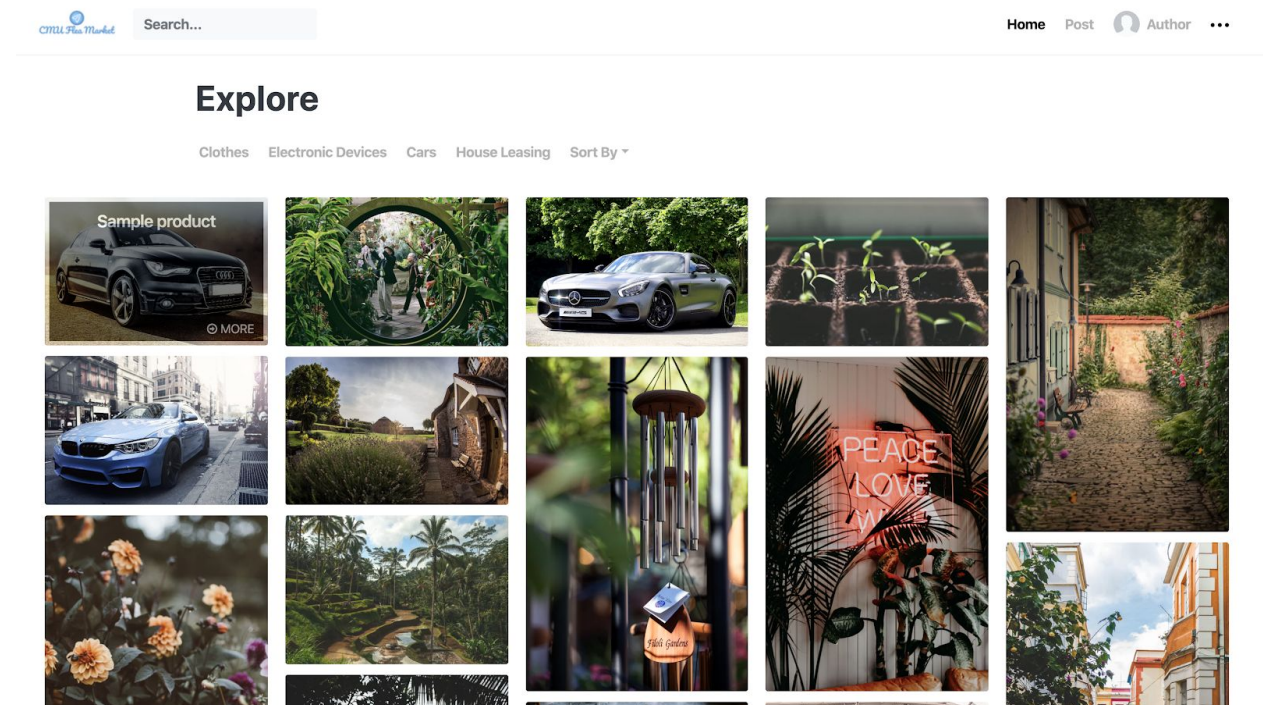
Primary Function:

- a. Online payment system: Using Alipay api generate a QR code on this page, customers could scan the QR code to pay for this product.
- b. Customer review and comments: After finishing the order, customers will have a chance to rate the seller and post comments to the seller.
- c. Navigation to trading location: Show the navigation from the real time location of the user to the trading place.
- d. During the dealing period, the status of this product will be changed to pending, which means the seller could not initiate another order on the product.
- e. After the deal, the status of this product will become sold out, the product page of this product will only show the information of the product. After one day, this product page will be deleted.

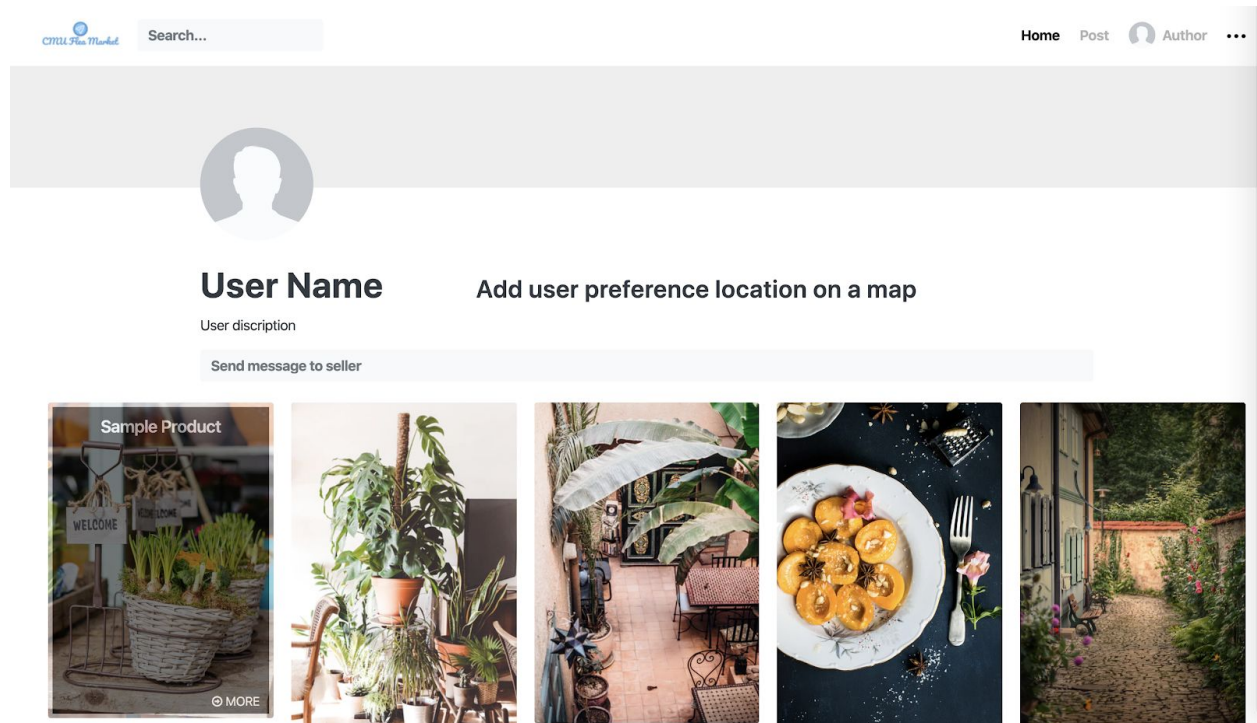
Data model

- Item model
- Customer model
- Preference model
- Category model

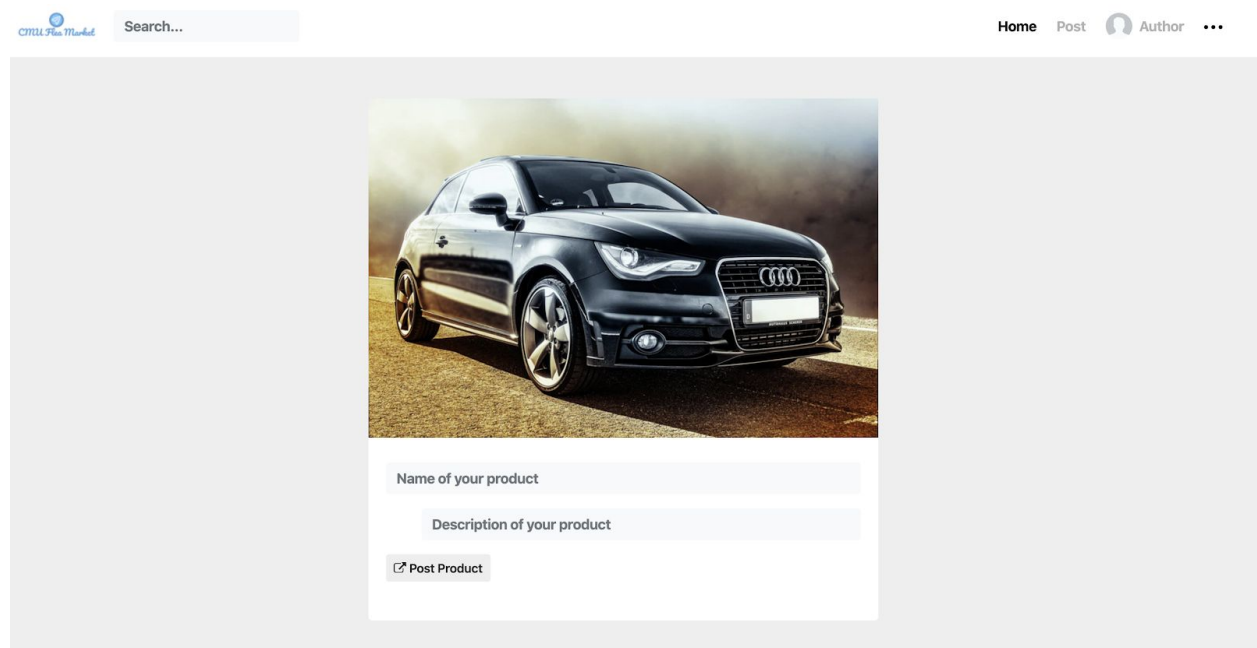
UI mockup



Front Page



User Page



Upload Product Page



Order for Sample Product Car



Navigation to deal address.

Contact seller

Placing Order Page



Sample Product Car

- Description1
- Description2
- Description3

Contact seller

Product Page

Tasks for sprint 1:

Jiacheng Sun, jsun3: Front Page

Qian Cheng, qcheng: Placing order page

Yuyang Fan, yuyangf: User(Customer and Seller) registration page & User pages

Shenglong Zhang, shengloz: Item uploading for selling page & Product page