

CSI3140 Project Winter 2022

Metamarket

Student Information

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Project outline:

Vision

The purpose of this project is to create an online marketplace that allows users to get in touch with other people with the intent of buying and selling a wide variety of items.

Introduction

Metamarket will be an online marketplace inspired by Kijiji. Like this page, users will be able to search, view and create ads for different items.

Target User

1. People that want to buy items from other people, instead of a store.
2. People that have stuff they want to sell to other people.

Design

This web application will have a total of 4 pages users can use to interact with it.

- The first page shows a search bar to look for specific items; and also contains a categories tab to filter elements by their type.
- The second page is the search result from the first page. Shows the items pulled from the search text, tags and location. Allows users to click on the items and get more information.
- The third page shows details about a particular item, including the title, picture, description, contact information (phone number/email address), location specified by the seller and recommended ads (similar name or tag). It will also include an option to delete an ad, which will be verified by email authentication.
- Finally, all the pages will include a button to create an ad. The ad creation page allows users to create an ad by setting a title, description, contact information, an image, tags and a location.

Implementation

In this section some aspects about the implementation are listed.

- The web application will have a database with the ads created by the users on metamarket and will also use ads from kijiji (Kijiji scraper [<https://www.npmjs.com/package/kijiji-scraper>], gives information about ads on Kijiji.com)
- In order to provide users with a clean interface to see item locations, metamarket will be integrated with an API for map visualization [<https://openlayers.org/>].
- Users won't need to create an account to use the web application. They can just contact each other through email or through the phone.