Y^{Sale}ard

Your stores. Your place.

MasterPiece

Taima' Al-fokaha'

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Introduction

YardSale is a platform that provides a safe and trusted online environment to connect directly sellers and buyers without the need of having a medium or to pay any kind of commission. We have over 8 categories such as Autos, cars, electronics, video games, cell phones, furniture, clothes and fashion items, books, magazines and all different kinds of services and sectors as well.

List of framework covered by the project:

The following technology was used in this project are:

- Backend-> Framework Laravel.
- Database->Mysql.
- Frontend:

  1) Html.

  2) Css.

  3)JavaScript.

Specification

This is a specification to all people who want to sell things that they don't need anymore, and also to people who want to buy items that can be new or not with a good price.

And for the function Specification, the user can create his post with price, description, image for the product, and his city, After that the product displays in the public side with the proper category.

If the user wants to use the website he should create his account and then he will be able to add or buy a product.

Security

To enhance the security for the website, laravel framework was the best choice for that by:

1. Laravel authentication system:

this framework is quite effective, and the scaffolding has connected boilerplate coding in it, Laravel uses 'guards' and 'providers' as its tools. To specify, the former focuses on assessing and authenticating users each time they make a request.

2. Coss-site Request forgery(CSRF):

For the purpose of protecting the system from third parties trying to generate faulty requests externally, Laravel Security utilizes CSRF token.

3. Hashin password:

 provides defense against your passwords being compromised when a database has been compromised.

4. Validate on inputs field:
   to ensure correct user input. Validation can be defined by many different methods, and deployed in many different ways. Server side validation is performed by a web server, after input has been sent to the server.

5. Validate on products before they can be displayed on the public side.

Most signification code

1. Register form: it allows any visitor to create an account and to become part of the website.
2. Login form:after the user registered to the website, whenever he wants to visit the website, he can just login.
3. Create post form:it allows the user to create a post for his product.
4. Approve or delete the created post:by this functionality it will provide more security to the website, if the post did not match the conditions, it will be deleted.
5. Profile page:to display the post that the user created and the post that added to the favorite list.
6. Favorite list:it will allow the user to add a specific product that he likes and return back to it later.
7. Search functionality:it will help the user to search for a specific product.

Test cases

General Test Cases for Ecommerce Application

1. Verify that all the links and banners are redirecting to correct product/category pages and none of the links are broken.
2. Verify that all the text – product, category name, price, and product description are clearly visible.
3. Verify that all the images – product and banner are clearly visible.
4. Verify that category pages have a relevant product listed specific to the category.
5. Search – Verify that on searching all the products satisfying the search criteria are visible on the search result page.

User(Buyer) Registration – Test cases

1. Verify that all the specified fields are present on the registration page.
2. Verify that for better user interface dropdowns, radio buttons and checkboxes, etc fields are displayed wherever possible instead of just textboxes
3. Check validation on numeric fields by entering alphabets and special characters.

Work flow situition

1. Multiauth validation :I needed to do a lot of research about this topic to make sure that the signup for the user and the admin work probeply ,also for the login, and absolutely for the middleware cases.
2. Give the approval for a post to be published or deleted if it was not illegal to display on the public side.
3. Search functionality: it's a very important function to make it easy for the user to search on a specific product.
4. Relations between tables in the database .
5. How to display a product in its own category.
6. Search functionality.

Class Diagram
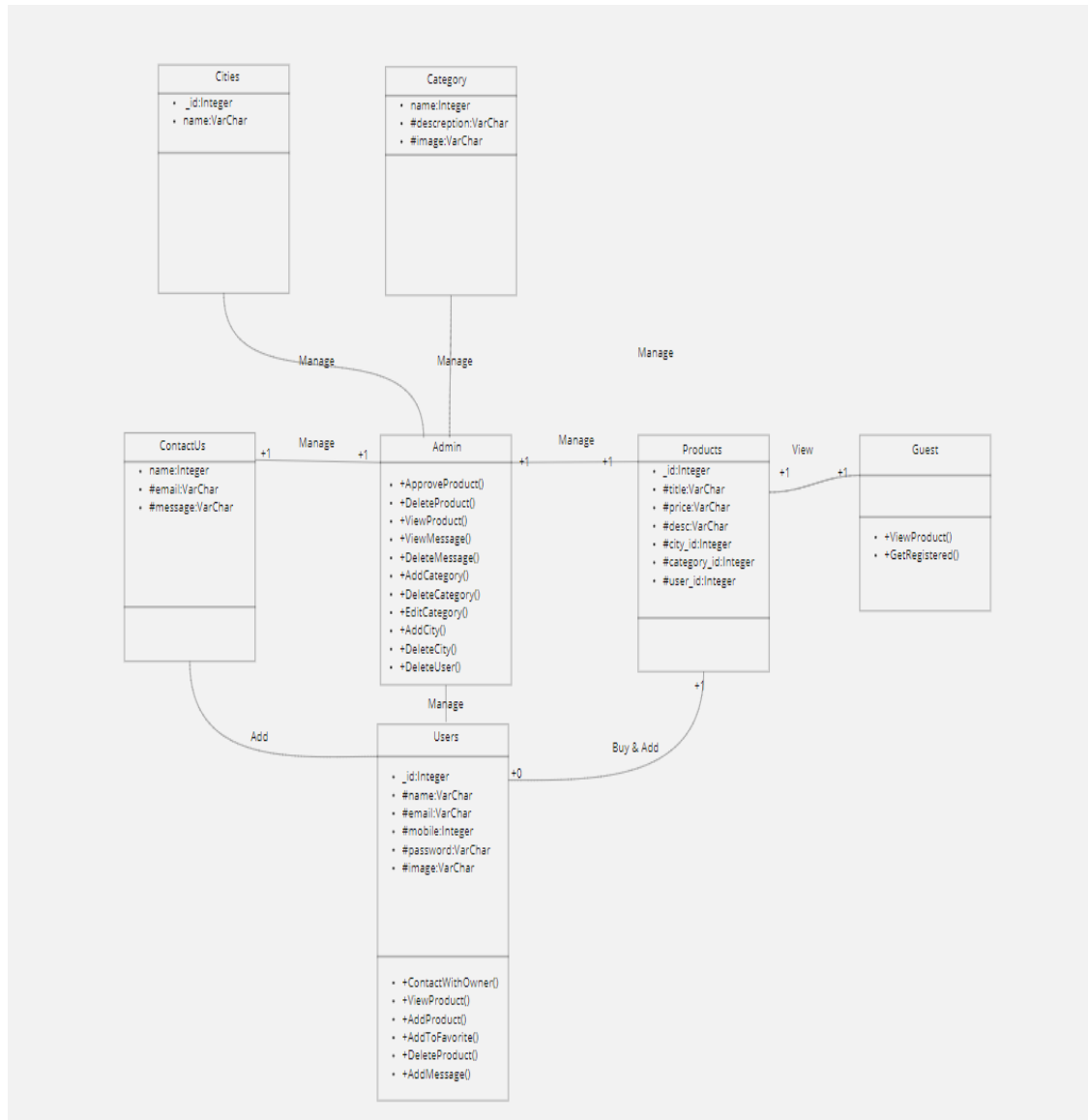
Work flow situition
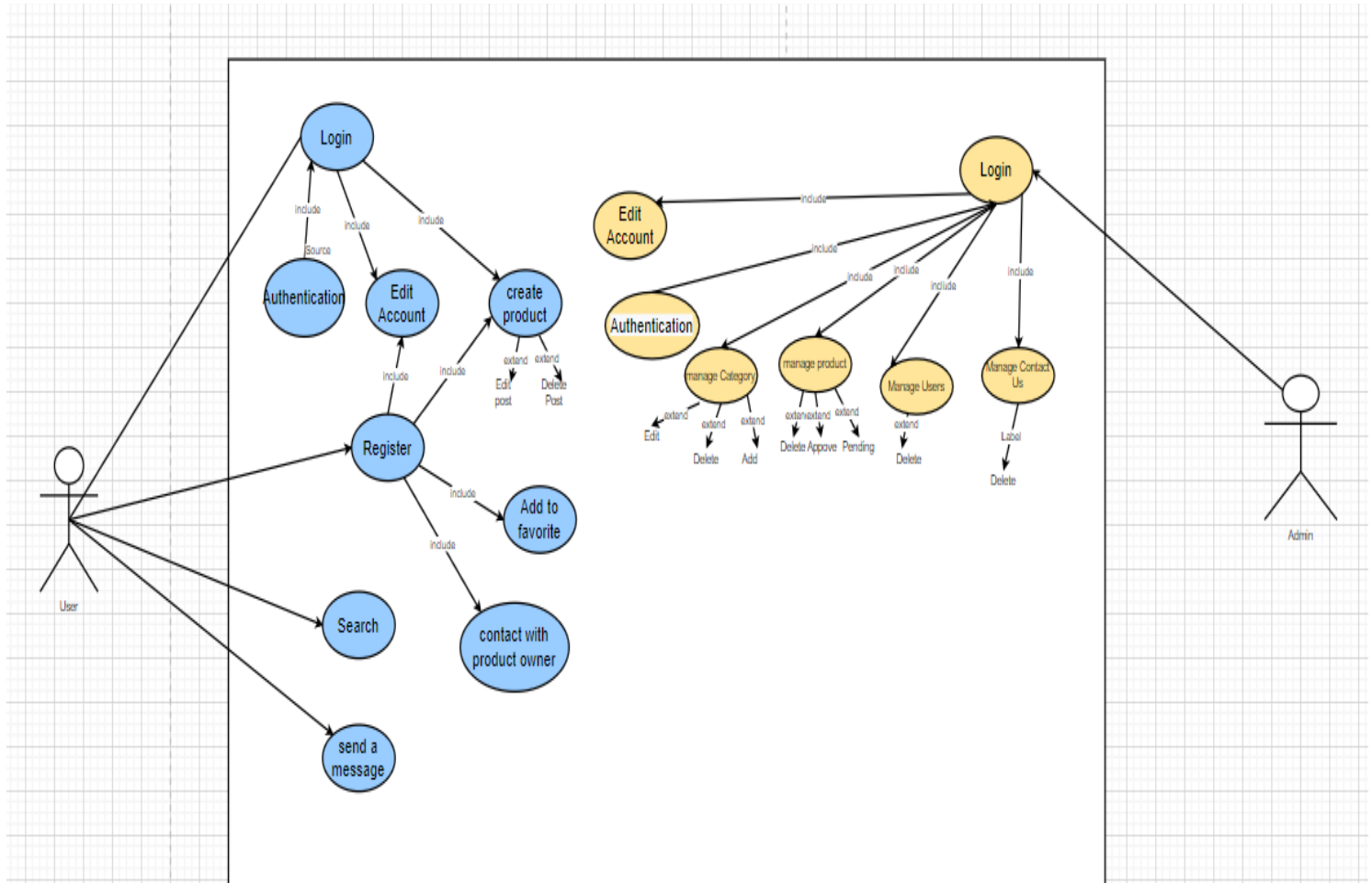
Example of a research

One of the most important cases that I needed to search for it, because using authentication on a website is very important to increase the security by not allowing the user to access the admin dashboard if he is not authenticated and so on.

conclusion

- YardSale is a platform that provides a safe and trusted online environment.
- connect directly sellers and buyers without the need of having a medium or to pay any kind of commission.
- making the process of buying or selling substantially easier and faster than the norm.
- the platform is built to be safe and accessible to everyone.