Bachelor of Software Engineering
Centre for IT Education (CITES)
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EEI3346

Web Application Development

Mini Project

Documentation

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1. Introduction

I have created a website that displays small businesses in my hometown. Here are some details on small, home-based businesses such as traditional. There are four major types of business ventures. Businesses of food makers, craftsmen, costume makers and artists are included here. Each webpage is designed to link to other webpages. A brief description of the business, including the owners' views, is also published. All in all, I think this will be more appealing to you.

2. Problems

I.   Main Problems

- Don't know how to create attractive web site.
- Power failure and connection problems.
- No idea about Vue-Js.
- No idea how to find businesses for add the web page.
- No idea about how to add business items.

II.   Sub Problems

- Difficulties about creating to-do list.
- How to create Image Slider for main page.
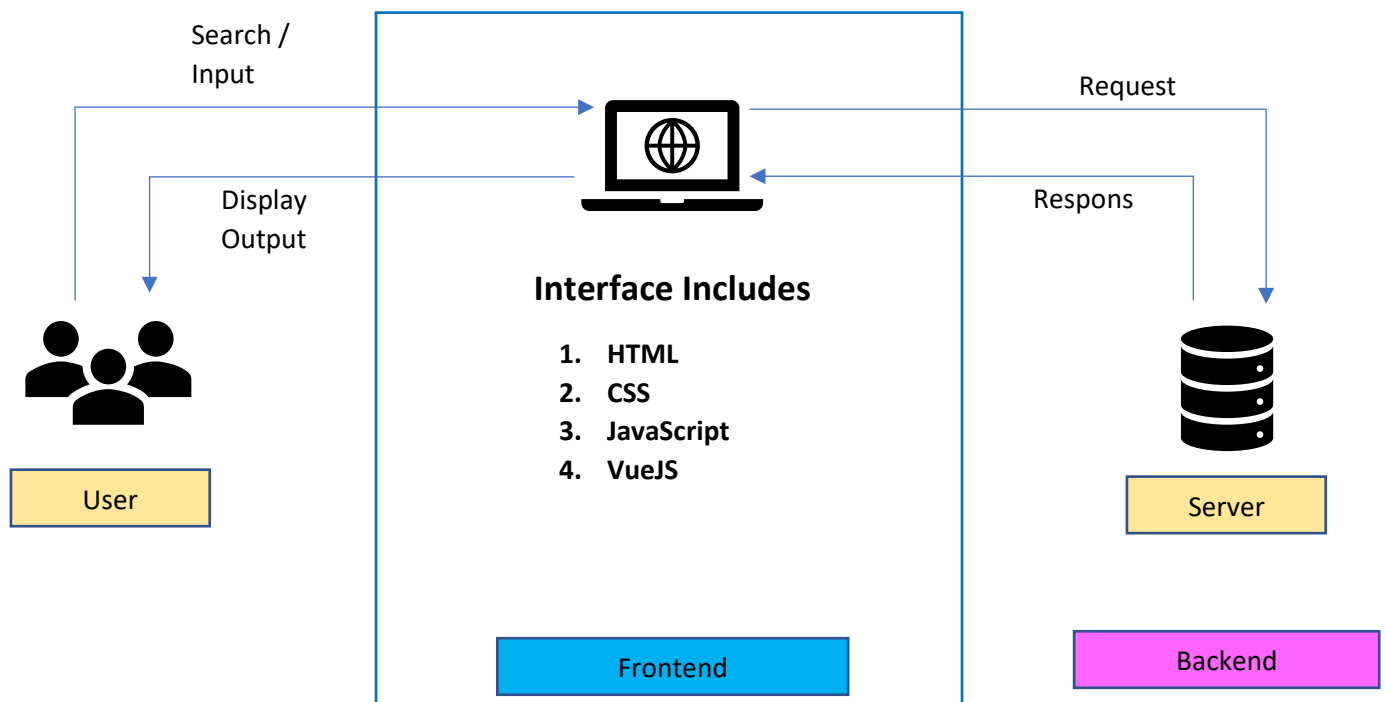- Too long CSS file and difficult to fined some codes.

III. Constrains

- Can't use templates.
- Include at least 3 businesses.
- Page should contain at least 5 distinct web pages.
- Backend functionalities are not expected
- To-do list should make using Vue-Js.
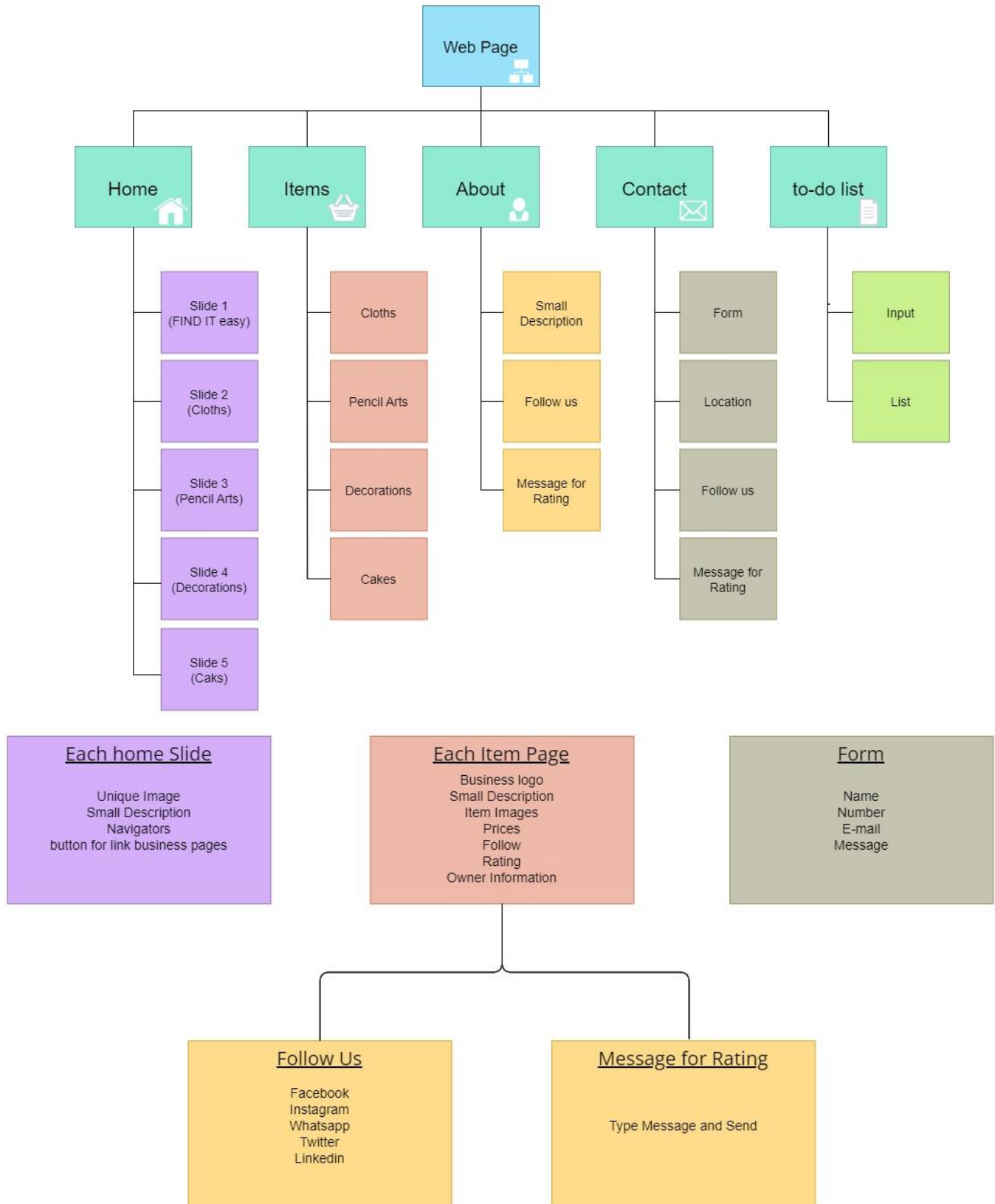- Submission file size should be less than 5MB.

3. Solution Approach

- Full charged my laptop computer when electricity is there.

- Connect to the mobile hotspot at power failure time.

- Decided to add Image Slider for increase the web page attractiveness.

- Referred HTML, CSS, JavaScript and Vue-Js tutorials in W3 Schools, Solo Learn and Textbooks and Presentations were given.

- Referred YouTube tutorials and google to solve some difficulties.

- Decided to add card type design for add business items.

- Use comments in HTML, CSS and JS files.

4. Architectural Diagram of the System

Search / Input

Request

Display Output

Respons

Interface Includes

1. **HTML**
2. **CSS**
3. **JavaScript**
4. **VueJS**

User

Server

Frontend

Backend

5. Site Map

```
                              Web Page

        Home        Items       About      Contact     to-do list

    Slide 1        Cloths      Small        Form          Input
   (FIND IT easy)              Description

    Slide 2        Pencil Arts  Follow us    Location      List
    (Cloths)

    Slide 3        Decorations  Message for  Follow us
    (Pencil Arts)               Rating

    Slide 4        Cakes                     Message for
    (Decorations)                            Rating

    Slide 5
    (Caks)
```

Each home Slide

Unique Image
Small Description
Navigators
button for link business pages

Each Item Page

Business logo
Small Description
Item Images
Prices
Follow
Rating
Owner Information

Form

Name
Number
E-mail
Message

Follow Us

Facebook
Instagram
Whatsapp
Twitter
Linkedin

Message for Rating

Type Message and Send

6. Used Web Technologies and Examples

HTML

HTML is an acronym for Hyper Text Markup Language. It is one of the most important and essential technology for web development. The foundation of a web page is the HTML file. HTML code forms all the content of a website correctly. A browser could not display text or load photos and other content without HTML.

HTML5, the latest version of HTML, defines the considerable variety and beauty of application programming interfaces (APIs) that can be used in conjunction with JavaScript to make a website more interactive and dynamic.

CSS

Cascading Style Sheets, also known as CSS. CSS enhances the interesting look of a web page and HTML provides its structure. Page layout, colors, font faces, and element placement are all part of this. If HTML is skeletal, then CSS is equivalent to a web page. It enhances the look of the internet and your website.

JavaScript

JavaScript is the most popular programming language among entrepreneurs. There are several reasons for this. It can be used for frontend and backend development. Every computer language has its own unique code nature, but overall JavaScript is a very easy to learn computer language. HTML, CSS skeleton and skin as well as JavaScript can be taken as the circulatory system with the human body. Simply, it enables web page functions. It is often used in the development of custom web applications. It is constantly updated and expanded with new features.

VueJS

VueJS is another UI development library available in the JavaScript framework. VueJS is simpler and easier to use than React-Js. It can be integrate for frontend development. It has a small community for troubleshooting and support. Although it is not as well-known as some other libraries, it is gaining popularity due to its ease of use.

Resources,

- o W3 Schools   https://www.w3schools.com/html/

  https://www.w3schools.com/css/

  https://www.w3schools.com/js/

- o Solo Learn   https://www.sololearn.com/learning

- o Javatpoint   https://www.javatpoint.com/javascript-tutorial

- o Wb Application Development Textbook.
- o Day School Presentation Slides.
- o YouTube tutorials.
- o Google

7. Test Results

1) Navigation Bar and Responsiveness
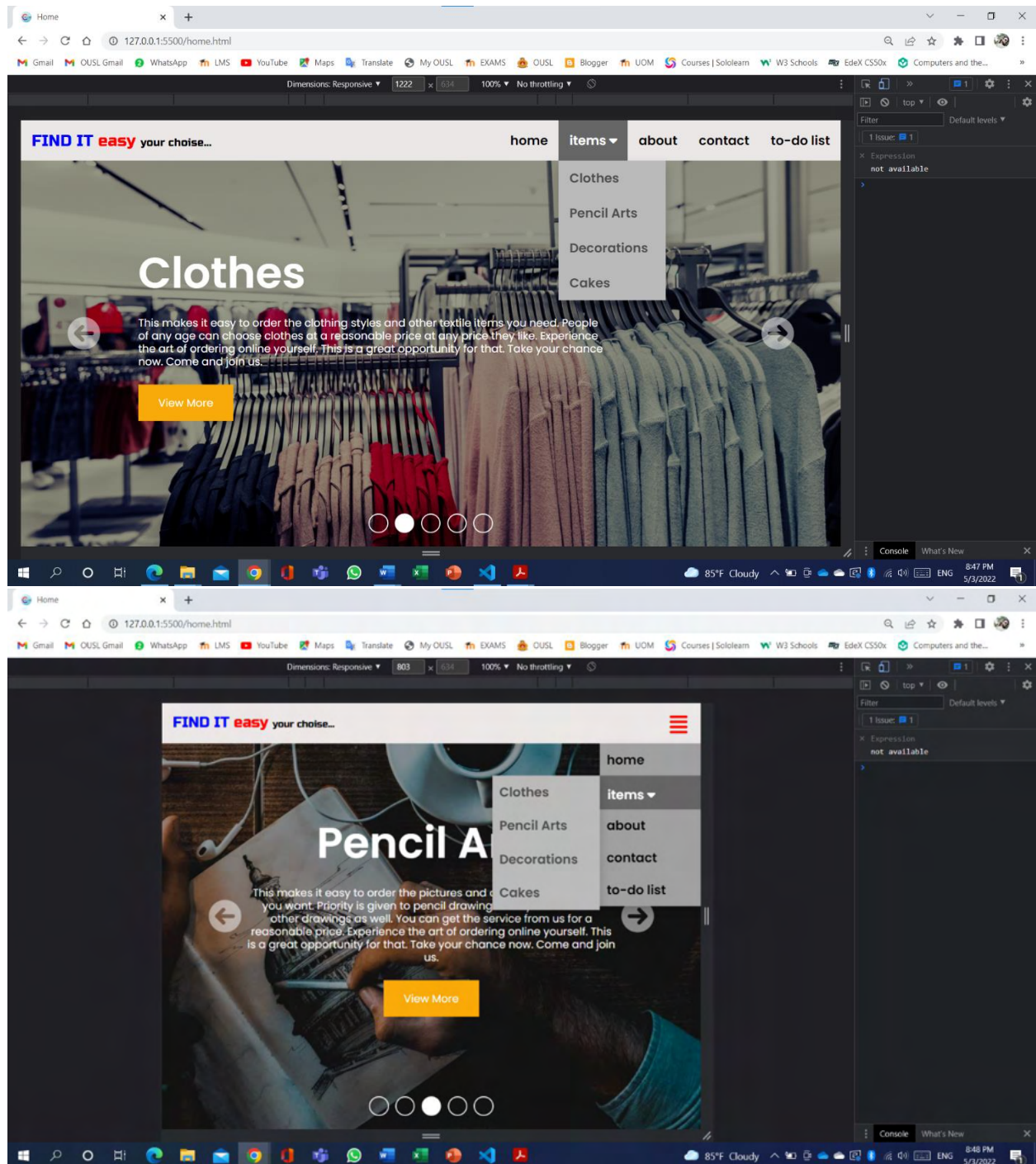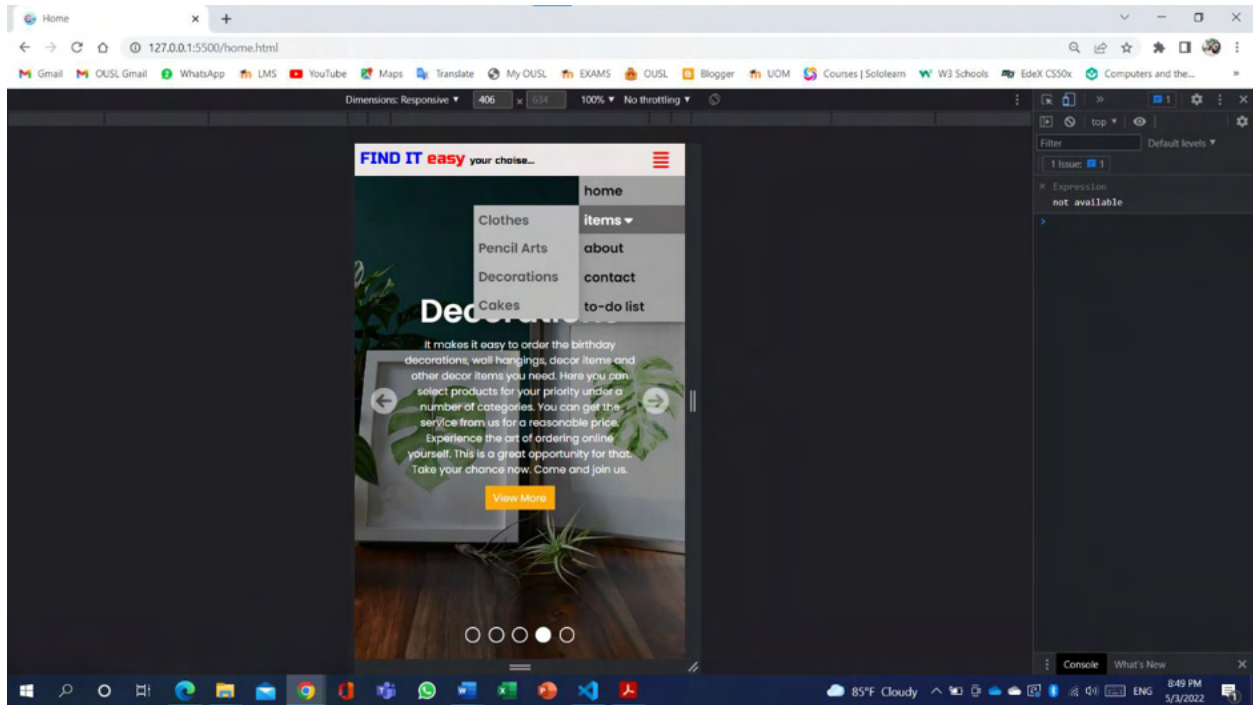
Description

You can see various resolutions and how to represent the interface.

There are 4 business types include the items tag in the navigation bar.

2) Home Page
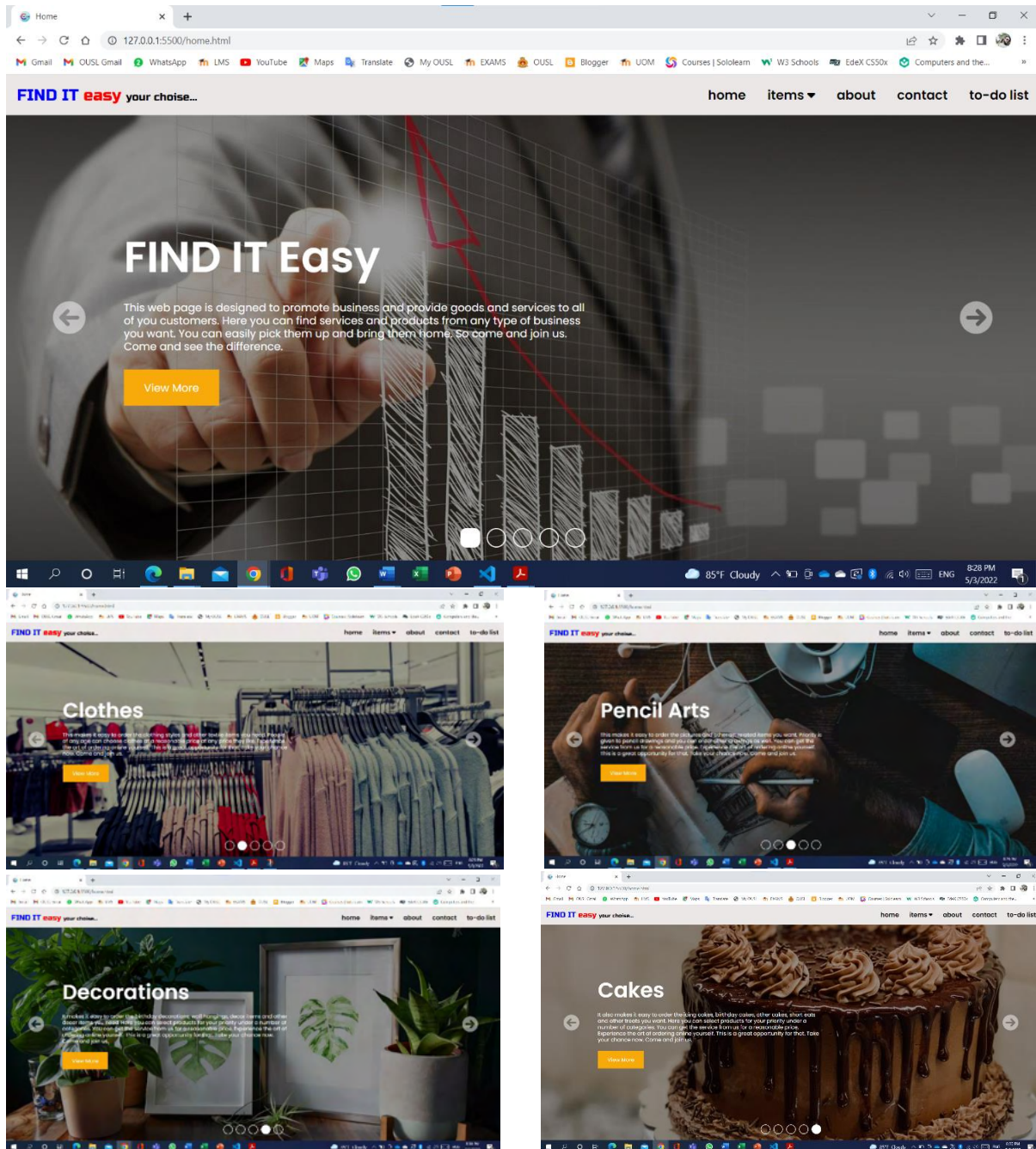
Description

You can view more details on click "View More" button.

You can move slides using left arrow (←) and right arrow (→) in the screen or click radio buttons.
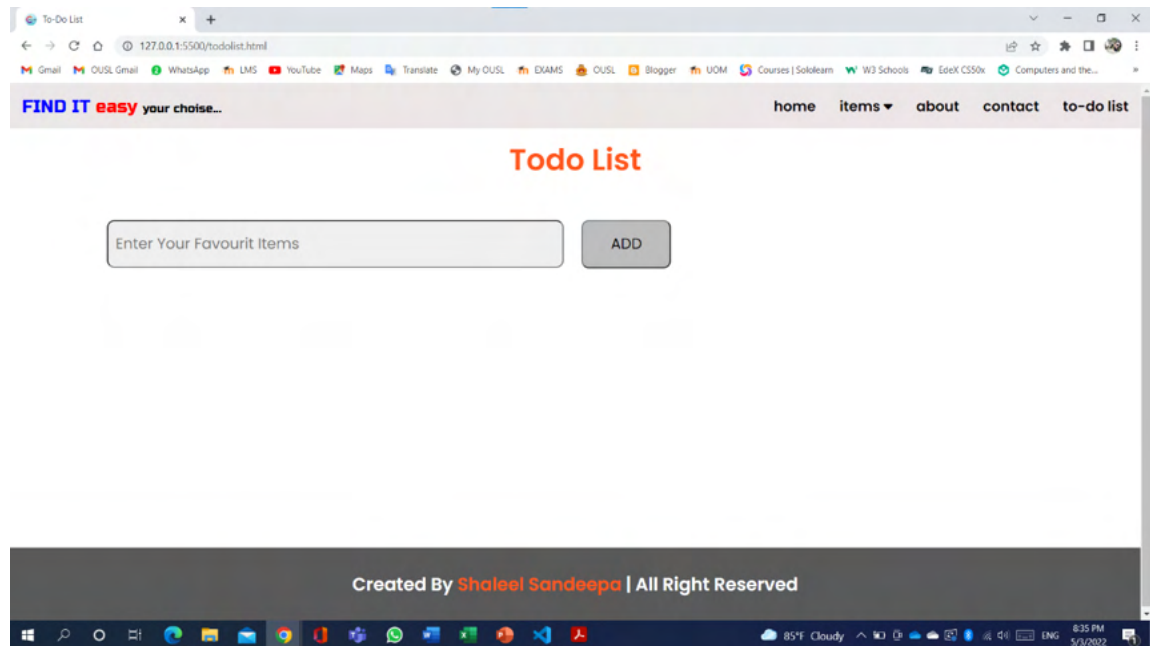
3) About Page
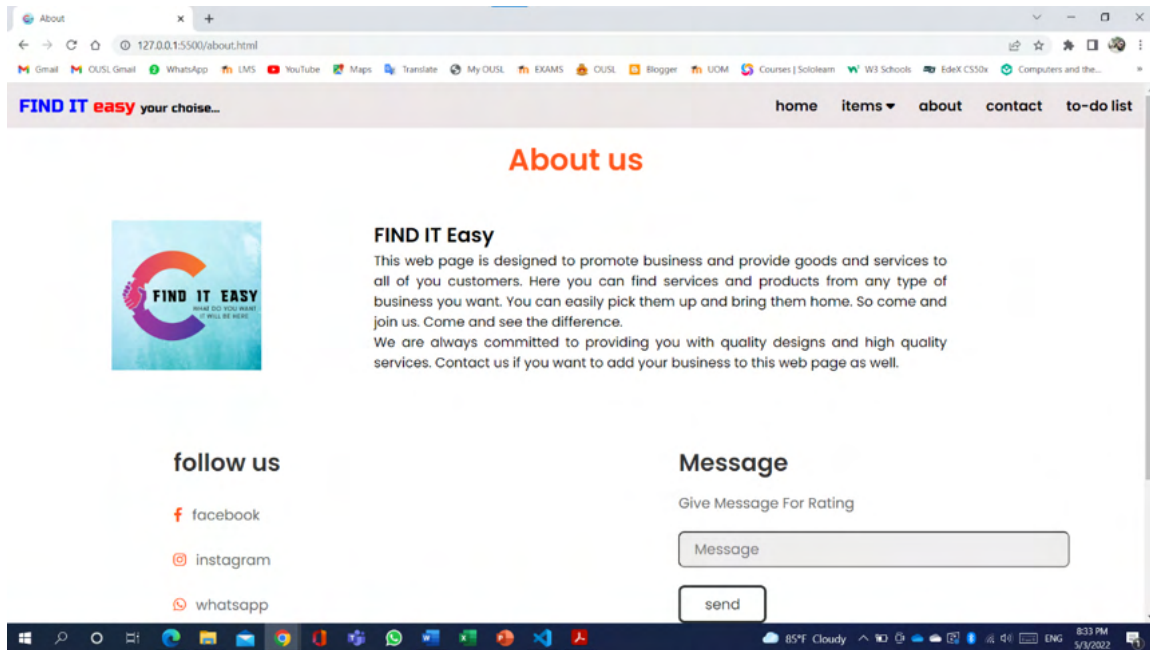
Description

You can see About page. There is little description about us.

You can follow us on social media and leave message for rating us.

4) To-do List

Description

You can add your favorite items here as to-do list.

5) Contact Page

<u>Description</u>

This is the Contact us Page and there are one form and our business location.

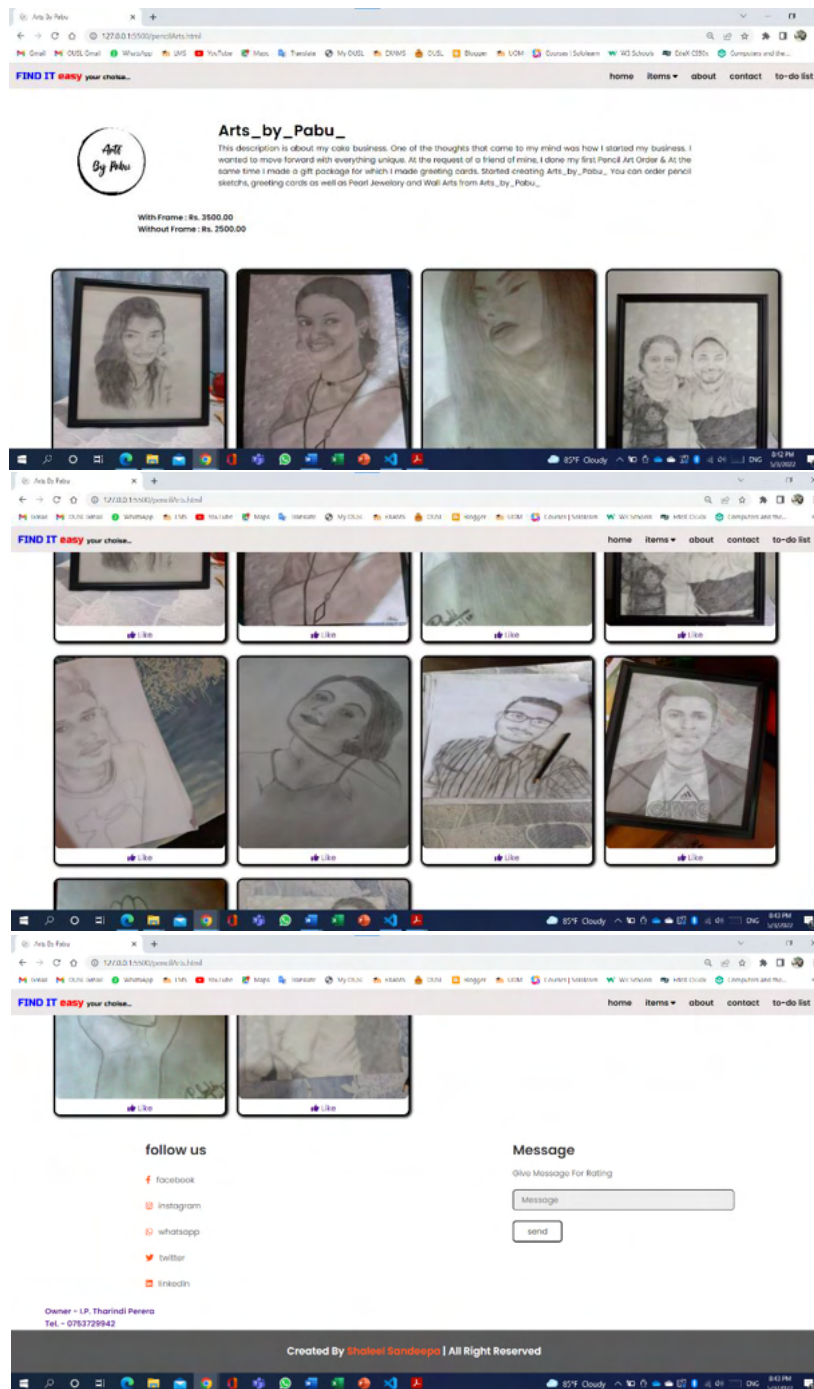You can follow and rate us here too.

6) Cloths in item tag
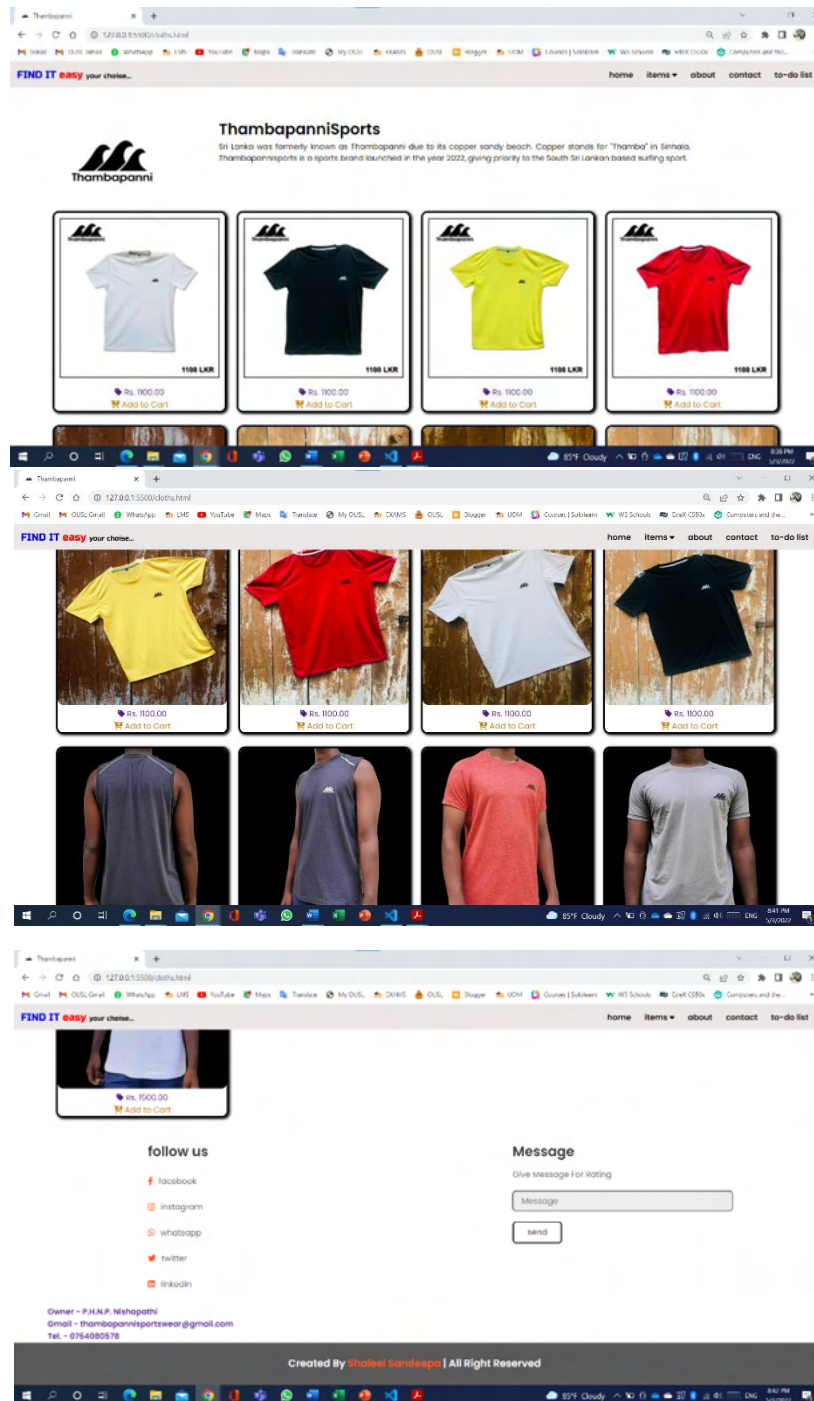
Description

This is a one of business in Clothes category and you can choose items as you like.

Also, you can follow them and rate their business.

7) Pencil Arts in item tag
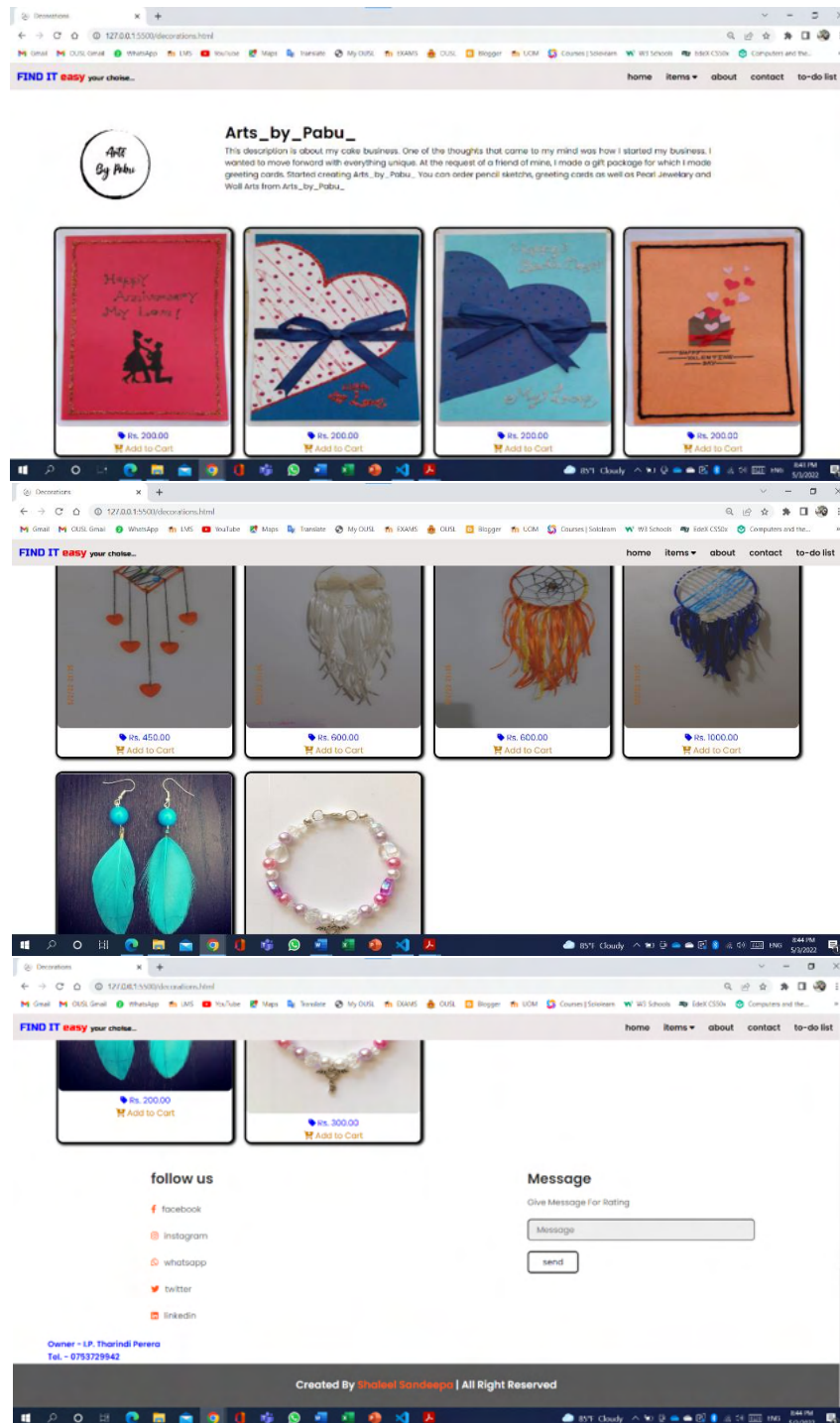

Description

This is a one of business in Clothes category and you can choose items as you like.

Also, you can follow them and rate their business.
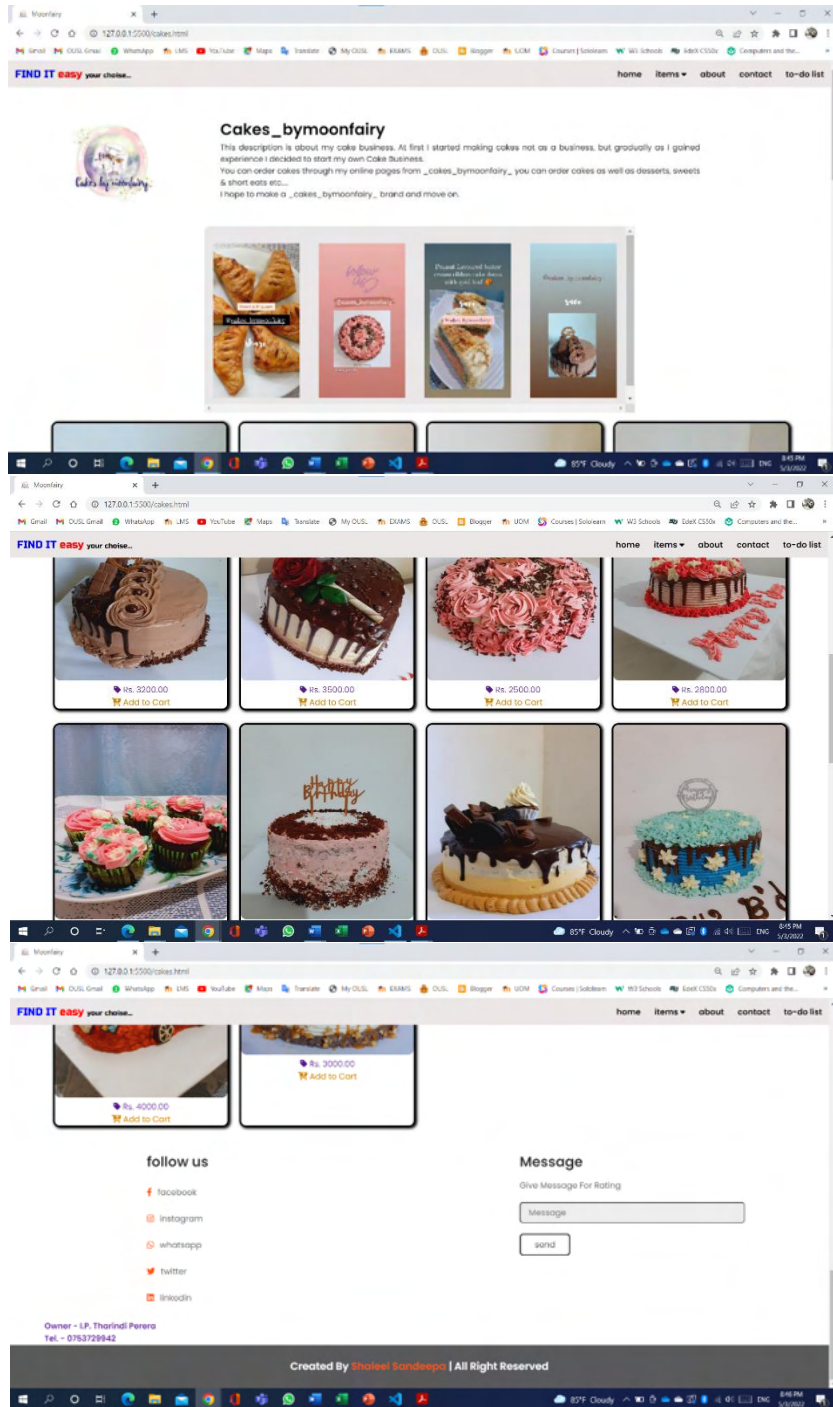
8) Decorations in item tag

<u>Description</u>

This is a one of business in Decorations category and you can choose items as you like.

Also, you can follow them and rate their business.

9) Cakes in item tag

Description

This is a one of business in Cakes category and you can choose items as you like.

Also, you can follow them and rate their business.

8. Conclusion

All we had to do for this project was create a web page that would combine some of the self-employment in the surrounding area. There was a list of business sites to include as well as a variety of business representations. We were able to create a website that met many needs.

Customers can freely use this website to avail services of their choice. They can select and collect items they want to buy. Customers can fill out a form with their information. They also have a form to comment on the site. If a service is required, the website also provides contact information for the agency.

So, finally, this project will help us improve our knowledge well.

Thank You!!!

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