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## 1.1 Introduction

- DSM started Rubber manufacturing in the year 1974. The procedure of manufacturing was manual. Since the main material used was rubber, it was called as Rubber Stamps. The operation areas of the business was banks, offices, educational institutions. In the year 1998 DSM started polymer rubber stamps manufacturing where procedure of manufacturing was automatic and computerized. Formatting of the content of the stamp is done on computer.
- The product of polymer based stamps are accurate, clear and have maximum sharpness of matter. DSM has recently started manufacturing of self-inking stamps, where the major relief is that, there is no need of stamp pad since it is pre-inked.
- The perspective behind building DSM – stamp ordering web application is to allow customer to customize the stamp as per their need. It allows the customer to select font, size, shape, category and type of stamp they want. Customer can preview the stamp content before ordering the stamp. Web application also allows to make online payment and stamp can also be delivered at the address specified. There is no hassle of visiting the shop for ordering and collecting the order.



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## 1.2 Limitations of Existing system

- It is a manual system where customers have to come to shop, explain their requirements and place the order at the shop.
- The details of customer, orders placed, and requirements of the product are maintained manually in a file.
- Mode of payment is cash, payable at the shop.

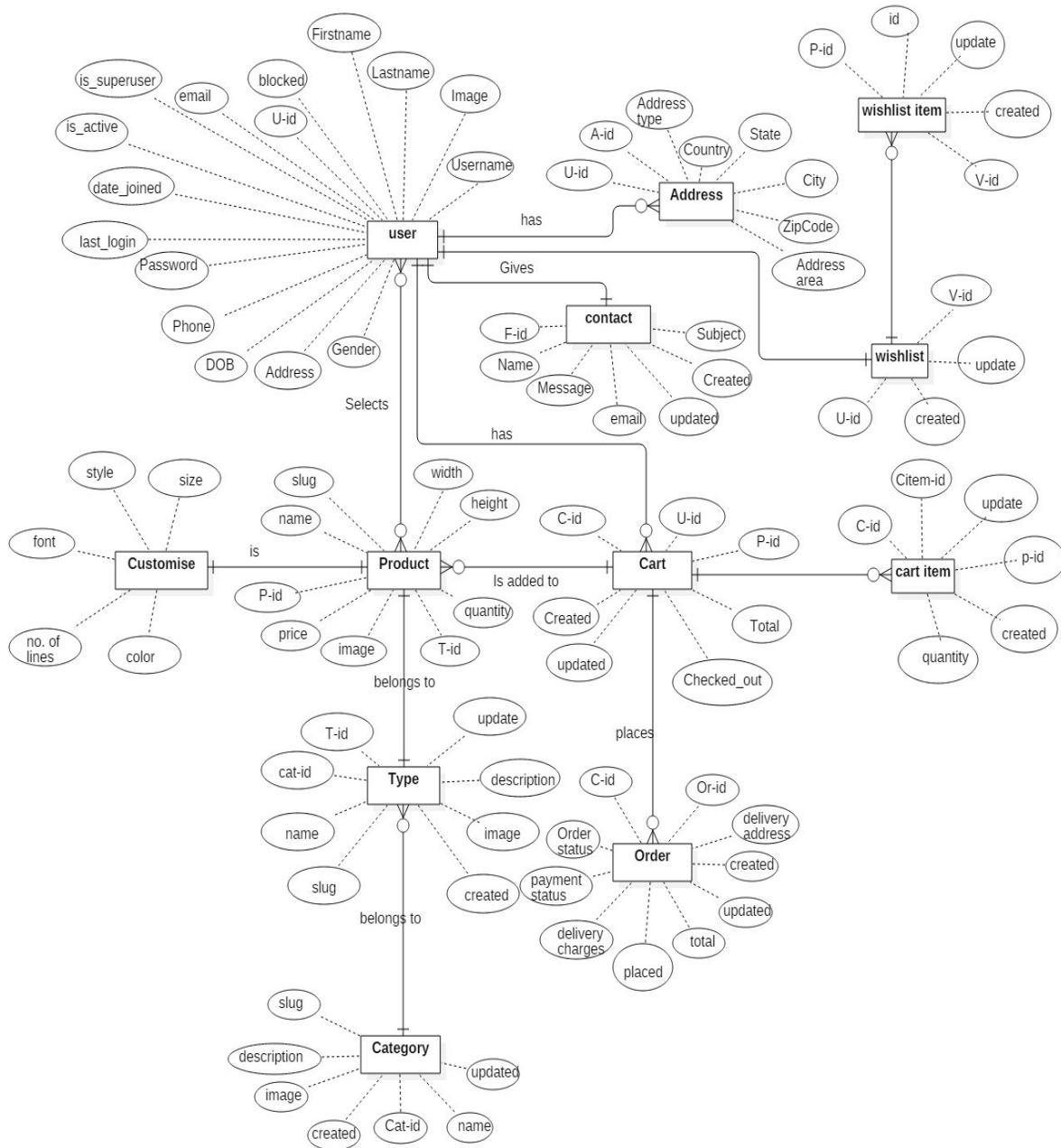
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## **1.3 Features of Proposed system**

DSM is web application where customer can order stamps online without travelling to the shop. Features of portal for user and admin are as follows:

- Portal for User
  - 1. User can register, login, logout, manage its profile like change address or add new address, change password.
  - 2. Select a particular stamp from many types and categories, customize it and place order.
  - 3. Track the order by checking out the updates of the product posted.
  - 4. User can cancel the order when not needed.
  - 5. Make online payment through card, UPI etc.
- Portal for Admin
  - 1. Admin can login, logout, receive orders.
  - 2. Asks the customer for confirmation and then process the order.
  - 3. Check request for cancellation of order and process the request.
  - 4. Admin Check for feedbacks or suggestions.
  - 5. Admin can also block user account or even delete its records.
  - 6. Update the status of the order so that the customer can track it.
  - 7. Process online payment.

## 2.1 Entity Relationship Diagram



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User		
id	Primary key	integer
username		character(150)
password		character(128)
first_name		character(120)
last_name		character(120)
email		character(254)
is_active		boolean
is_staff		boolean
is_superuser		boolean
image		character(100)
date_of_birth		date
phone		varchar(10)
gender		character(1)
blocked		boolean
date_joined		timestamp
last_login		timestamp

Address		
id	Primary key	integer
address_type		character(5)
address		text
country		character(100)
state		character(100)
city		character(100)
zipcode		integer
user_id	Foreign key	integer

## 2.2 Database Schema

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Cart		
id	Primary key	integer
total		numeric(100,2)
updated		timestamp
created		timestamp
user_id	Foreign key	integer
checked_out		boolean

Cart_item		
id	Primary key	integer
quantity		integer
updated		timestamp
created		timestamp
cart_id	Foreign key	integer
product_id	Foreign key	integer

Category		
id	Primary key	integer
name		character(300)
slug		character(300)
description		text
image		character(100)
created		timestamp
updated		timestamp
discount		integer

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Contact		
id	Primary key	integer
name		character(250)
email		character(254)
subject		character(300)
message		text
created		timestamp
updated		timestamp

Group		
id	Primary key	integer
name		character(300)
slug		character(300)
description		text
image		character(100)
created		timestamp
updated		timestamp
category_id	Foreign key	integer

Order		
id	Primary key	integer
order_id		character(120)
order_status		character(120)
payment_status		character(120)
delivery_charges		numeric
total		numeric
created		timestamp
updated		timestamp
cart_id	Foreign key	integer
delivery_address_id	Foreign key	integer
placed		boolean

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Product		
id	Primary key	integer
name		character(300)
slug		character(300)
description		text
height		numeric(5,2)
width		numeric(5,2)
image		character(100)
available		boolean
price		numeric(7,2)
created		timestamp
updated		timestamp
group_id	Foreign key	integer
diameter		numeric(4,2)

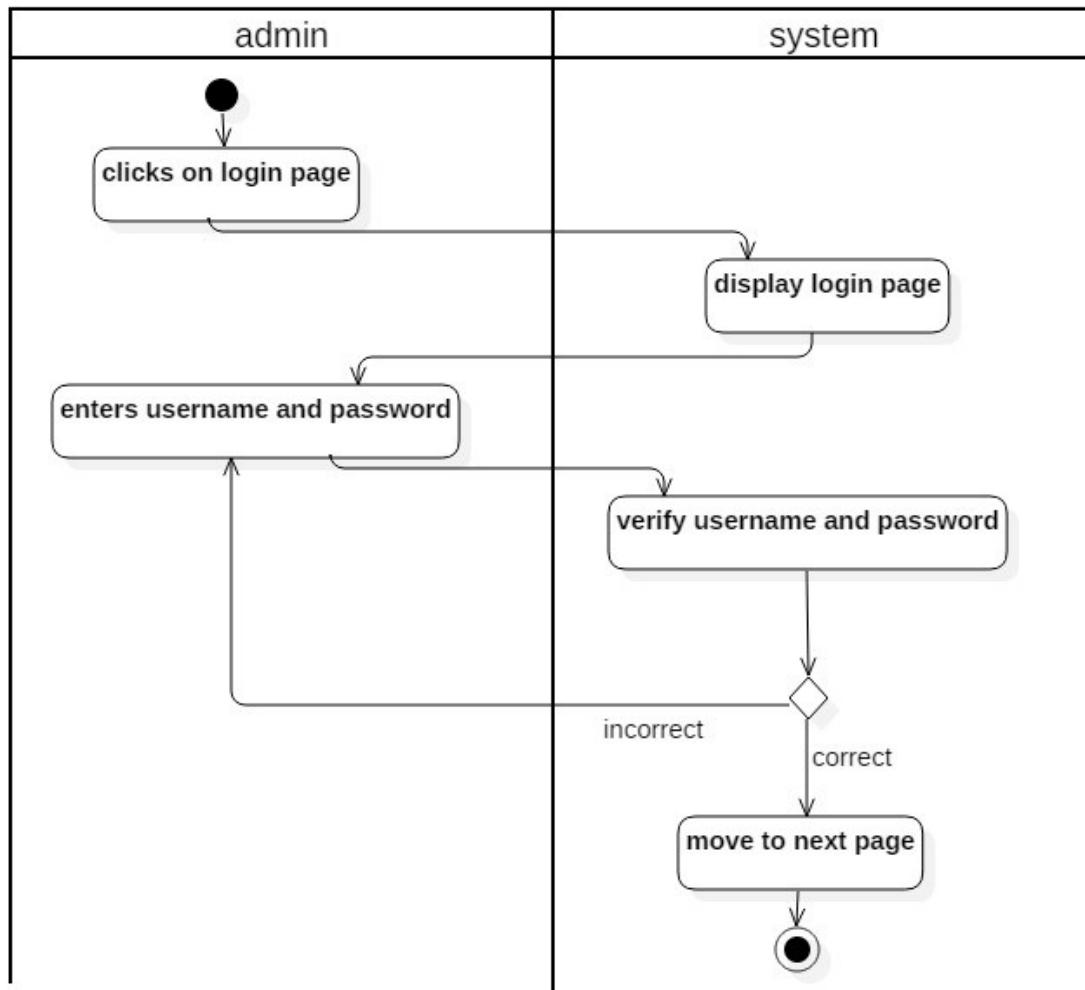
Wishlist		
id	Primary key	integer
created		timestamp
updated		timestamp
user_id	Foreign key	integer

Wishlist_item		
id	Primary key	integer
updated		timestamp
created		timestamp
product_id	Foreign key	integer
wishlist_id	Foreign key	integer

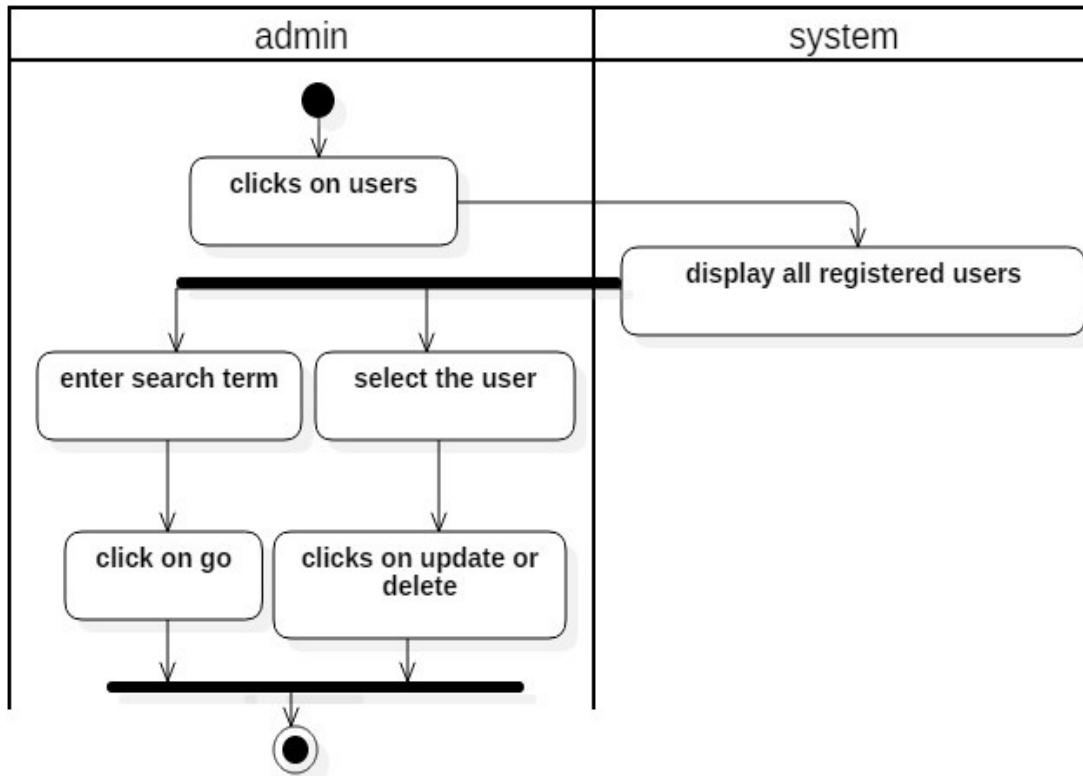
## 2.3 Activity diagrams

### I. Admin

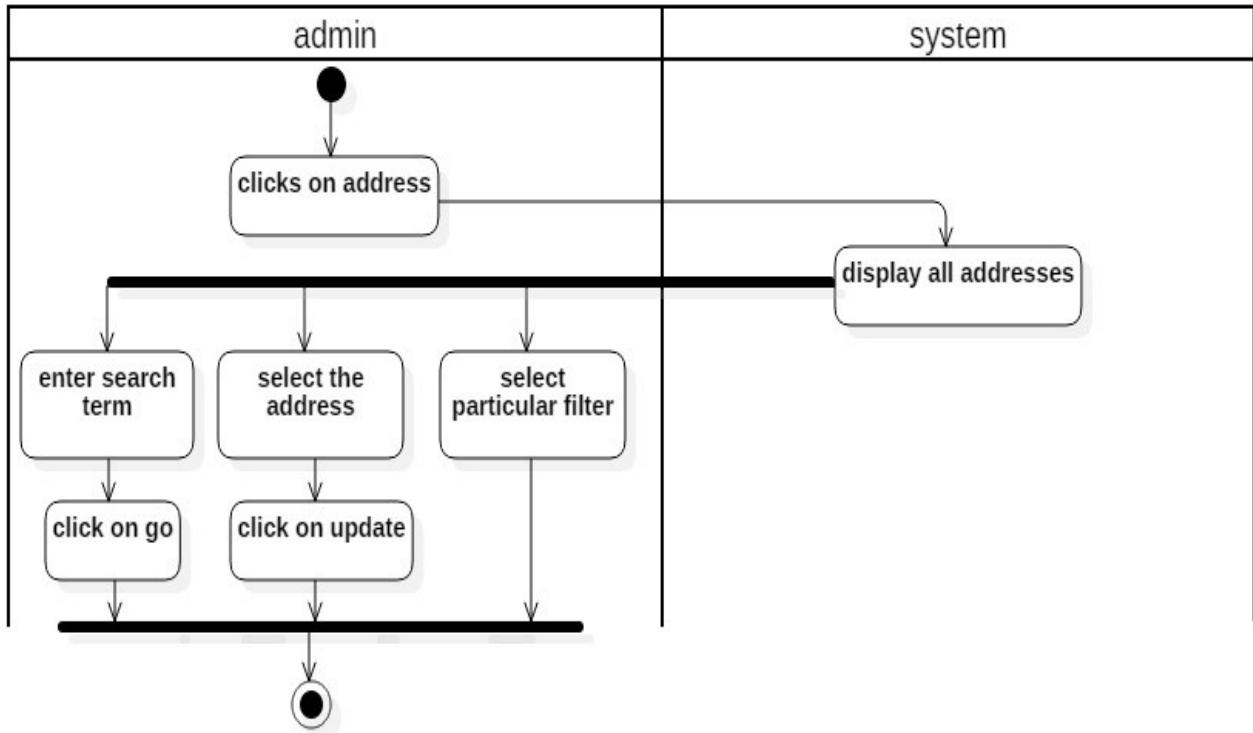
#### i. Login



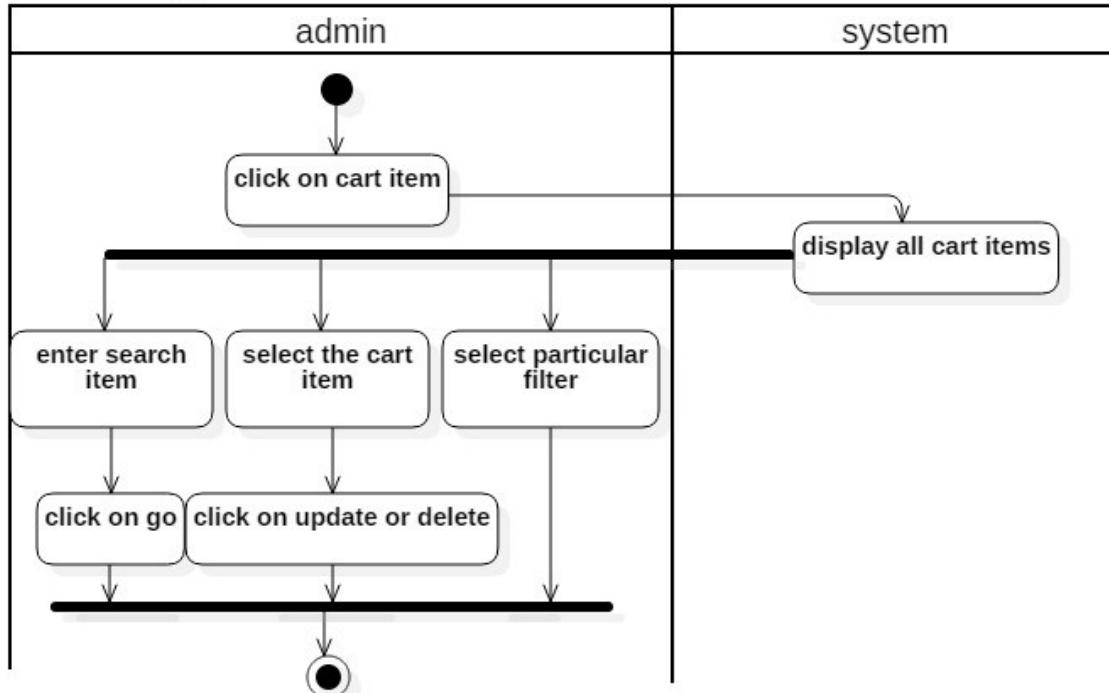
## ii. Manage account: users



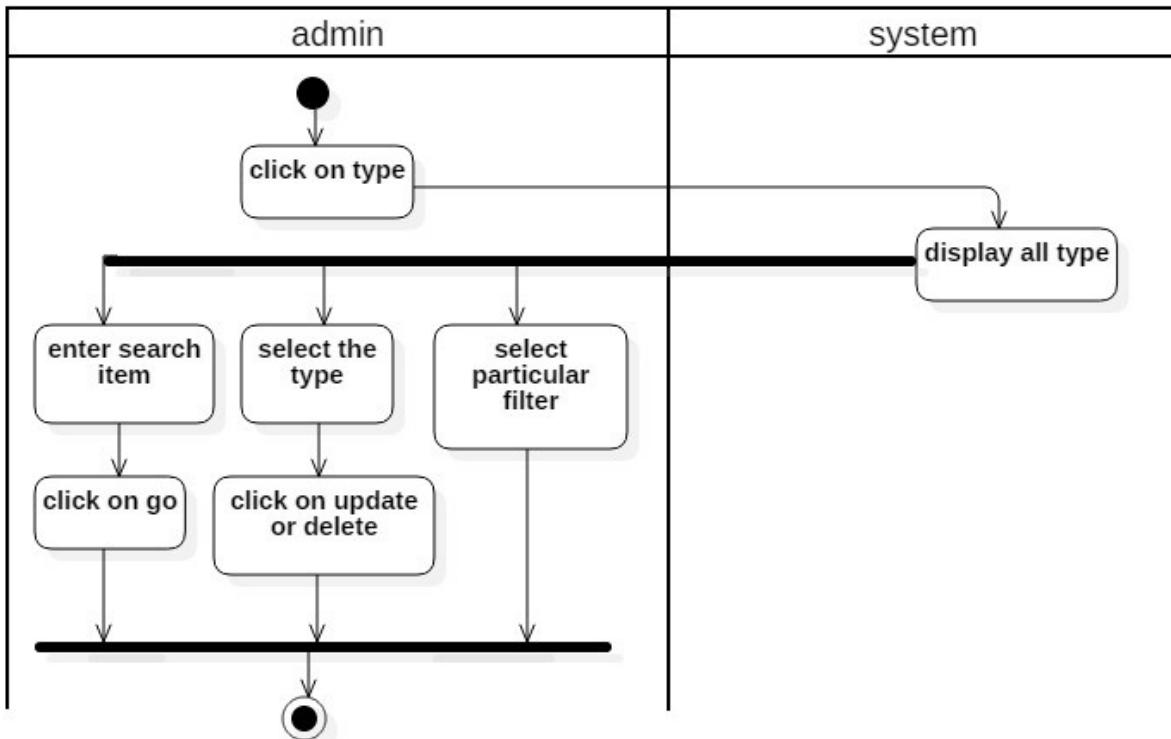
### iii. Manage account: address



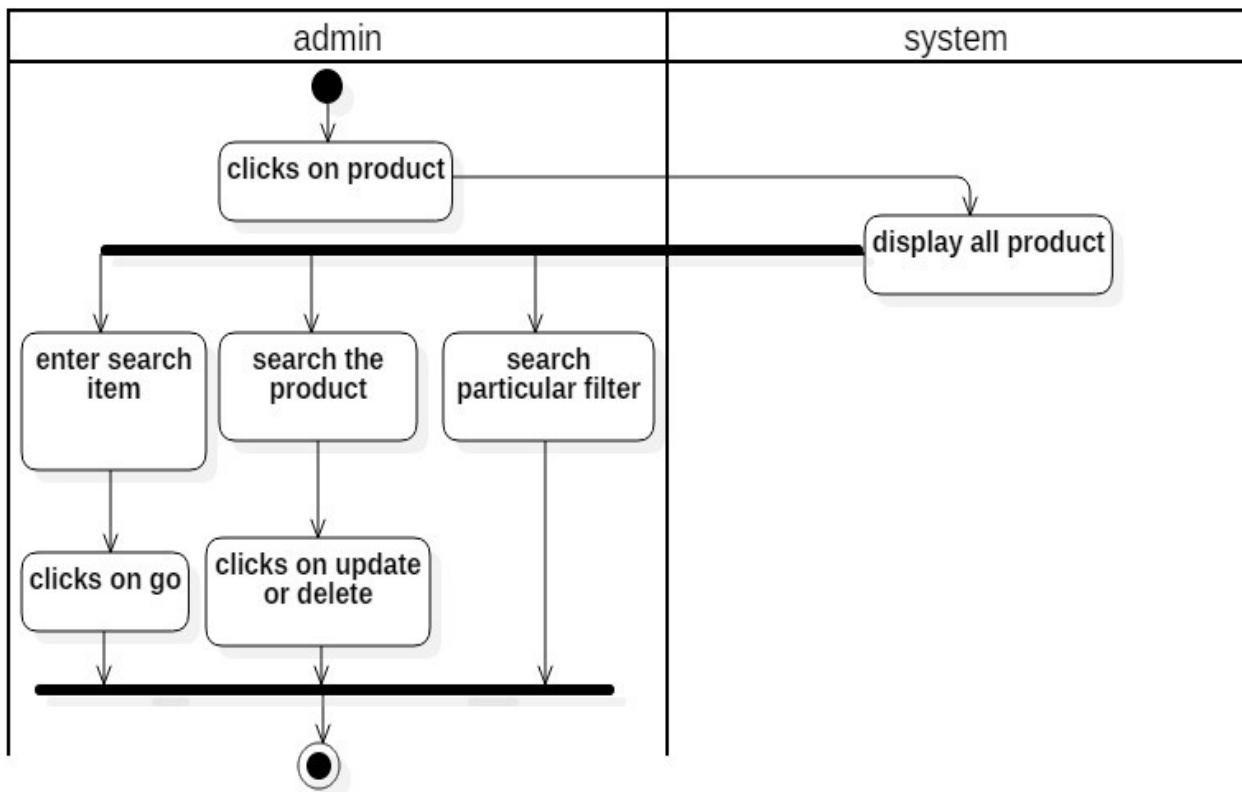
#### iv. Manage cart: cart item



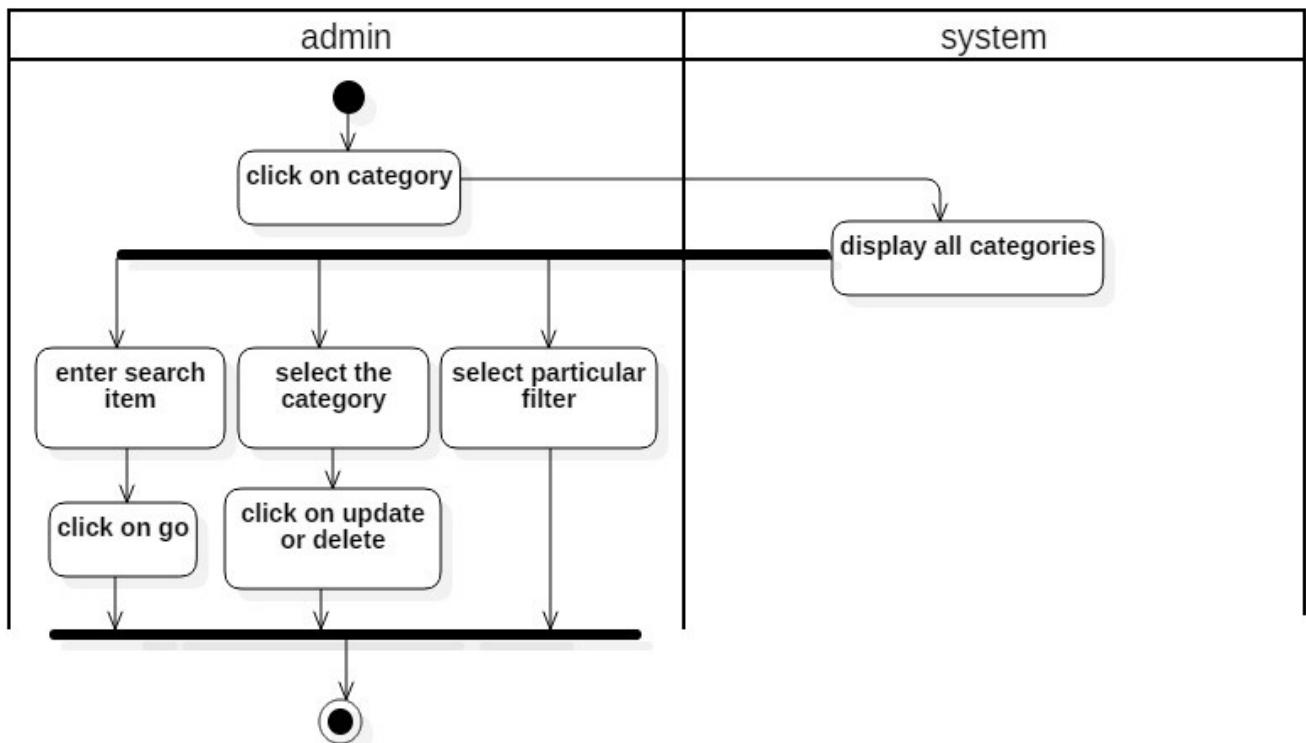
## v. Manage stamp: type



## vi. Manage stamp: product

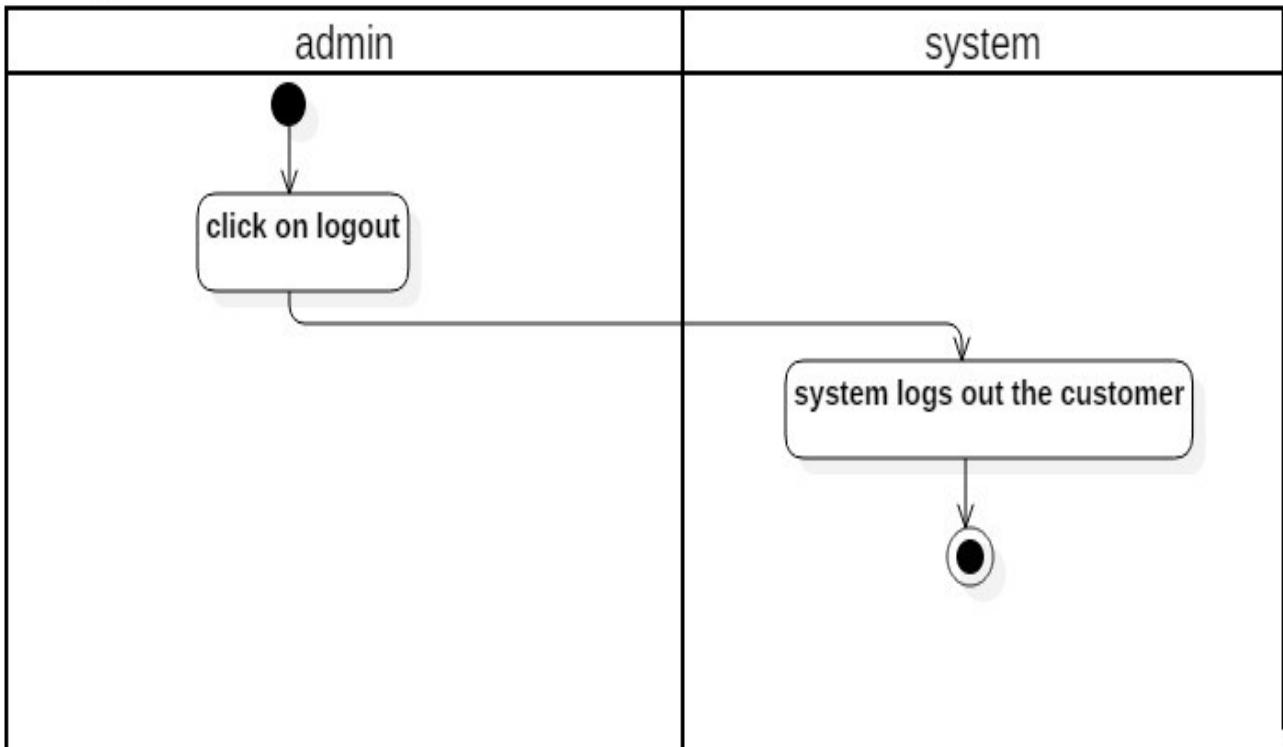


## vii. Manage stamp: category



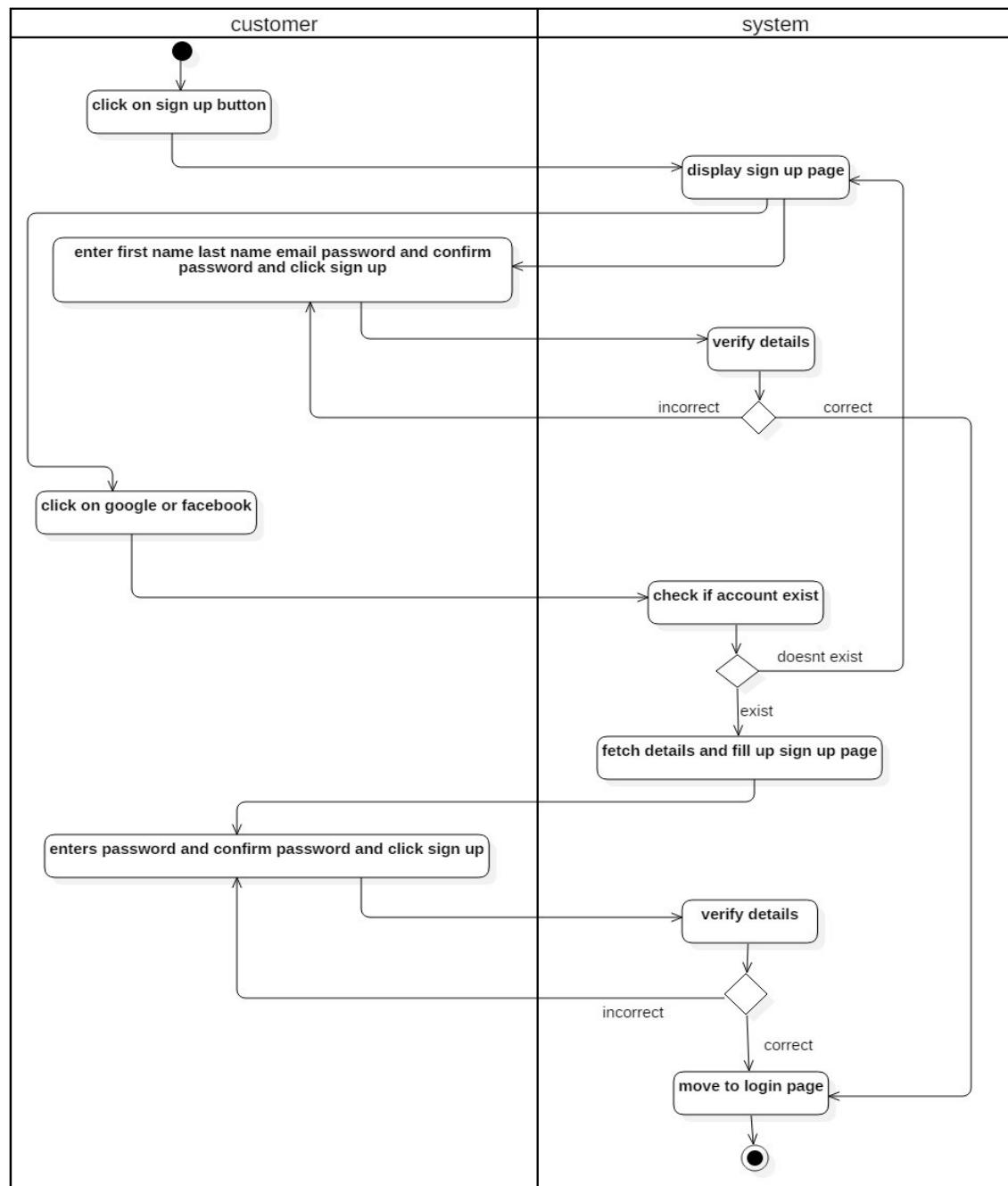
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## viii. Logout

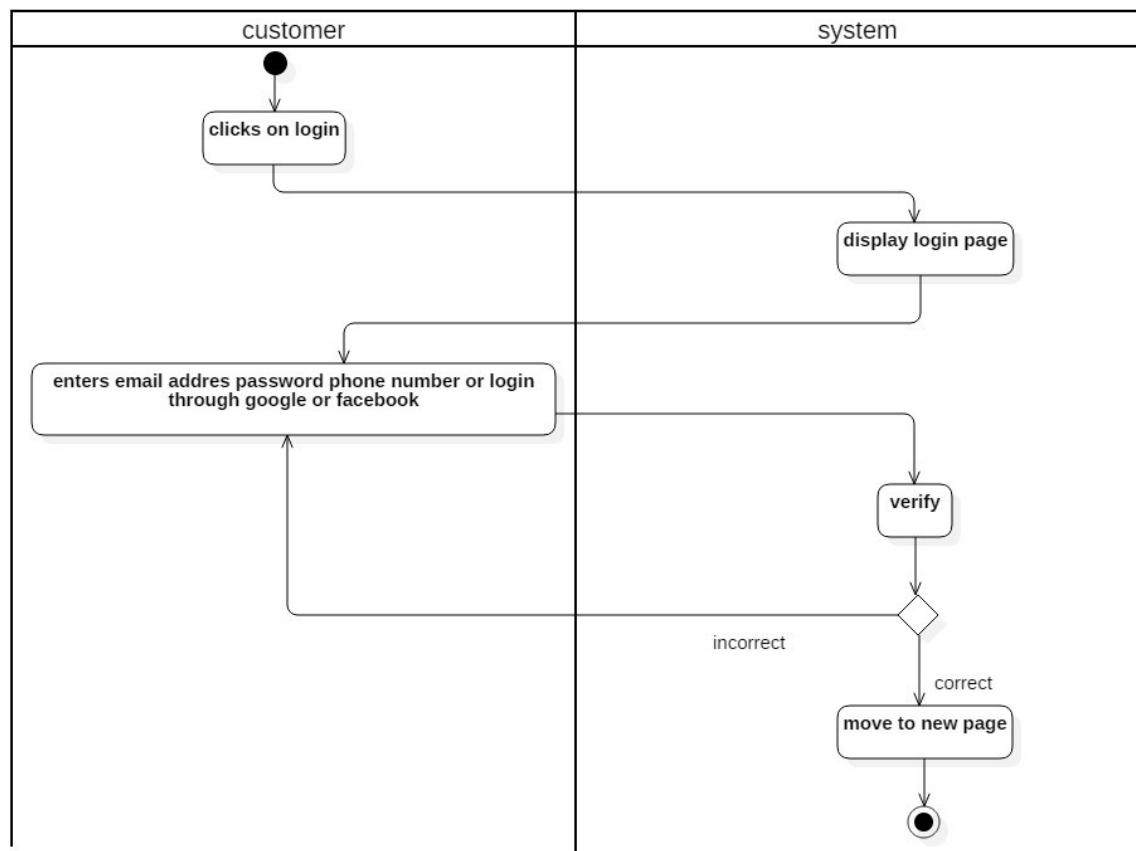


## II. Customer

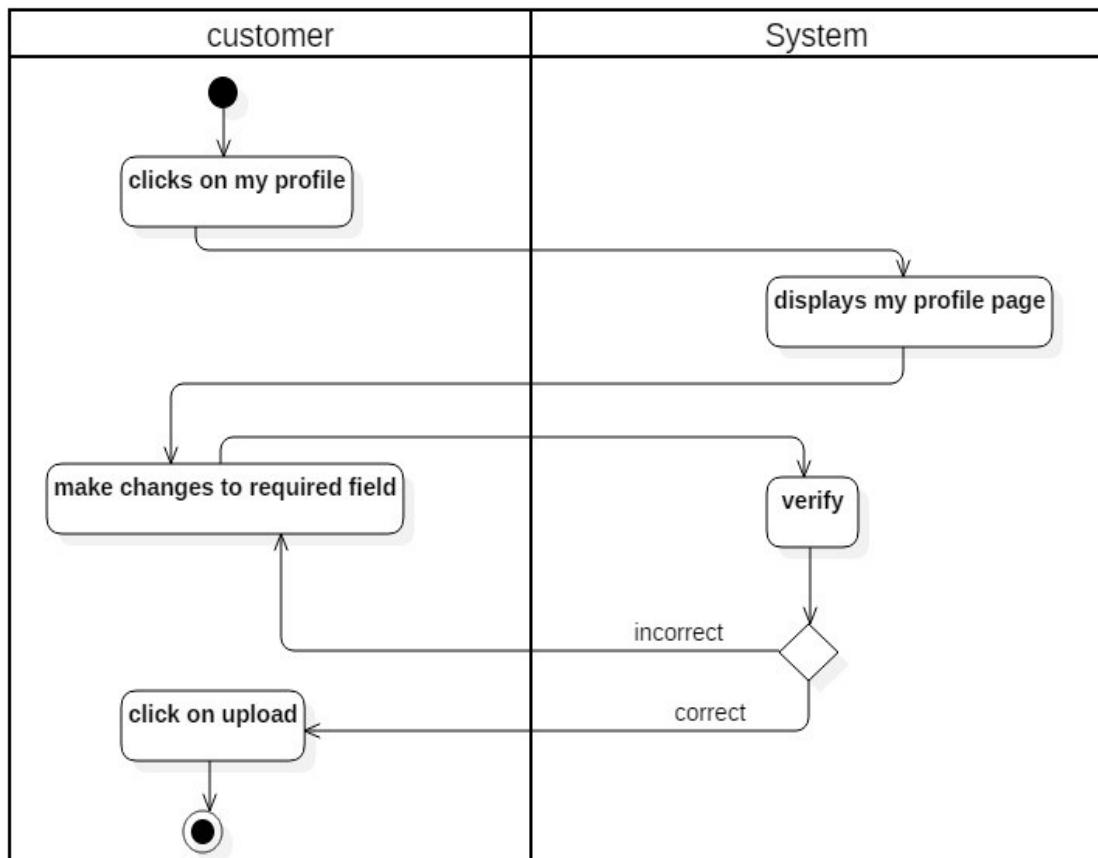
### i. Registration



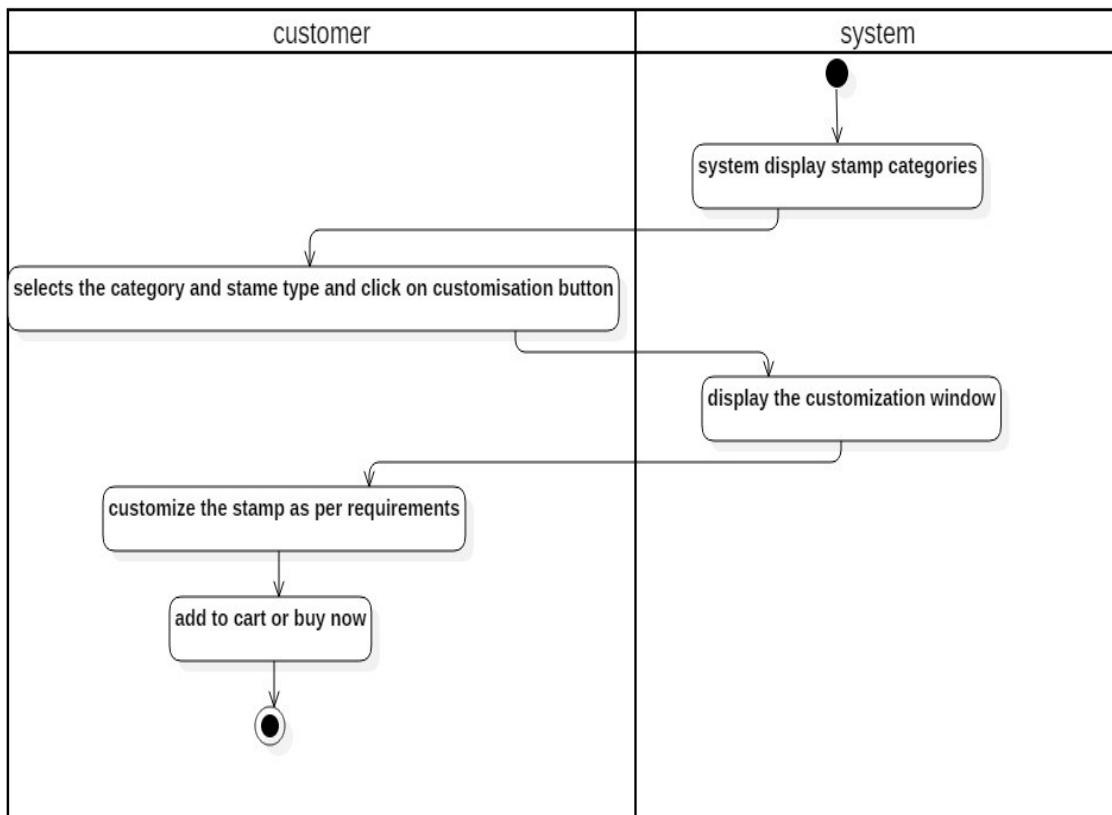
## ii. Login

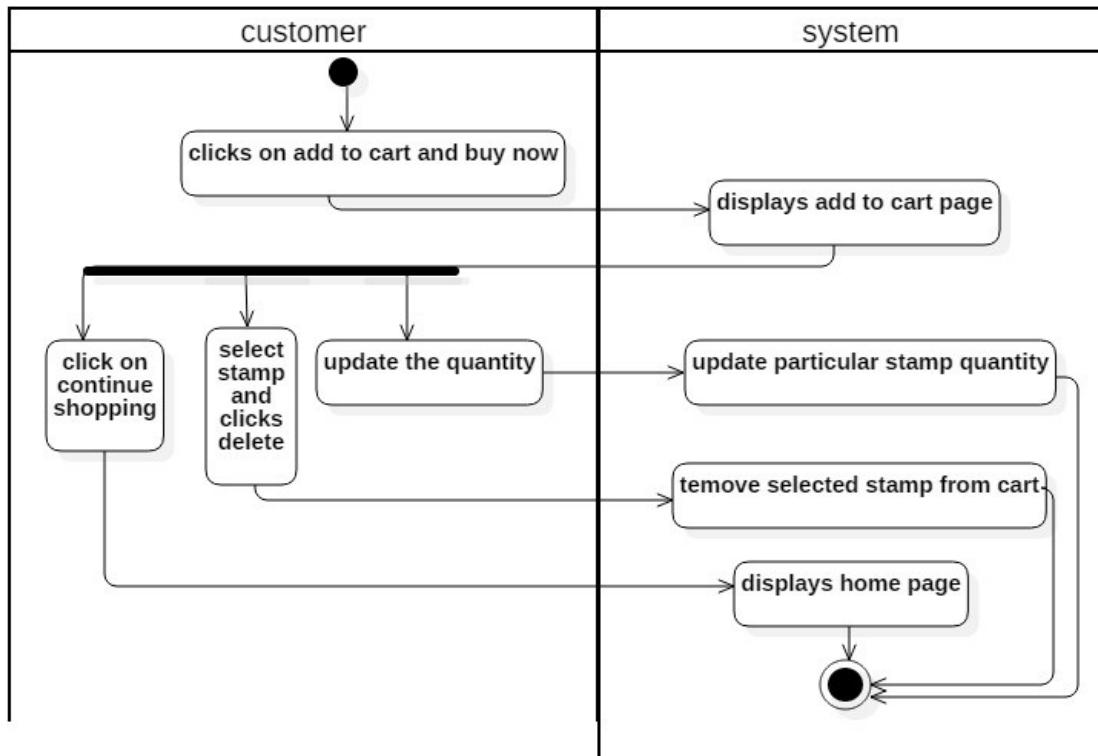


### iii. Manage profile



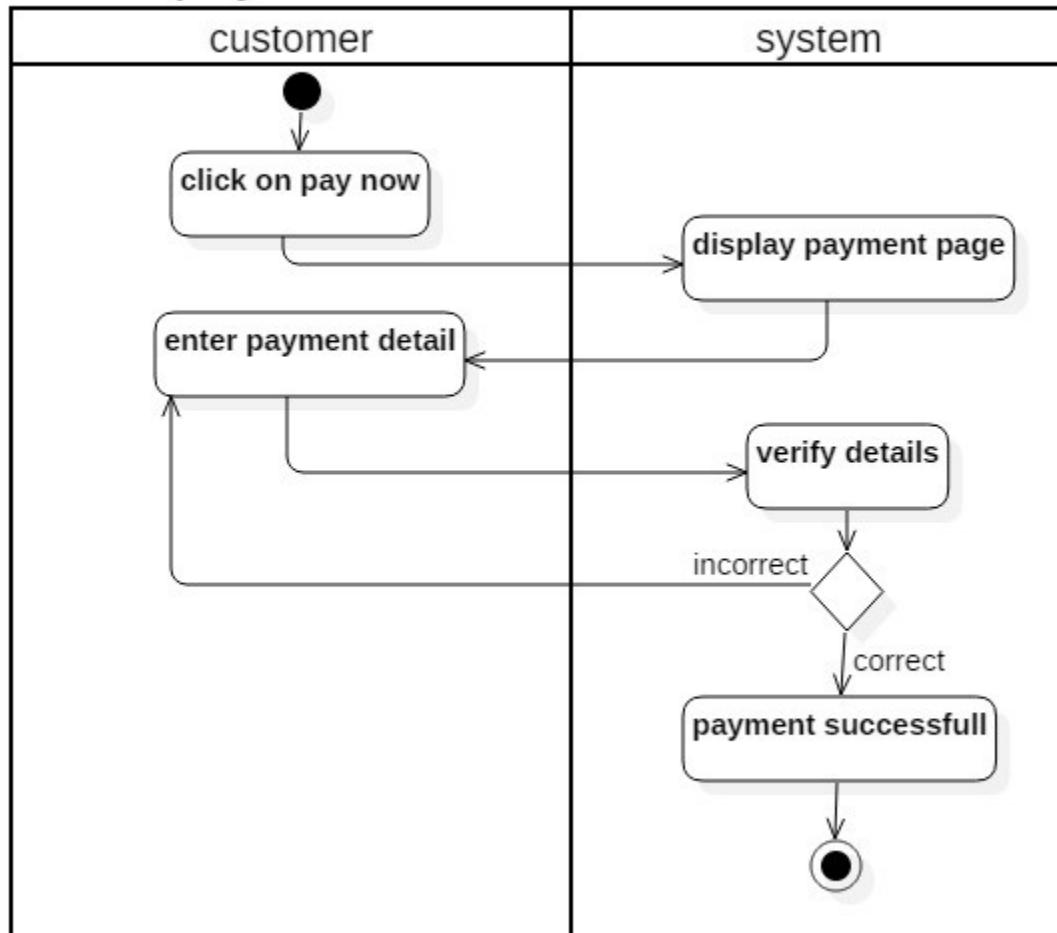
#### iv. Manage stamps



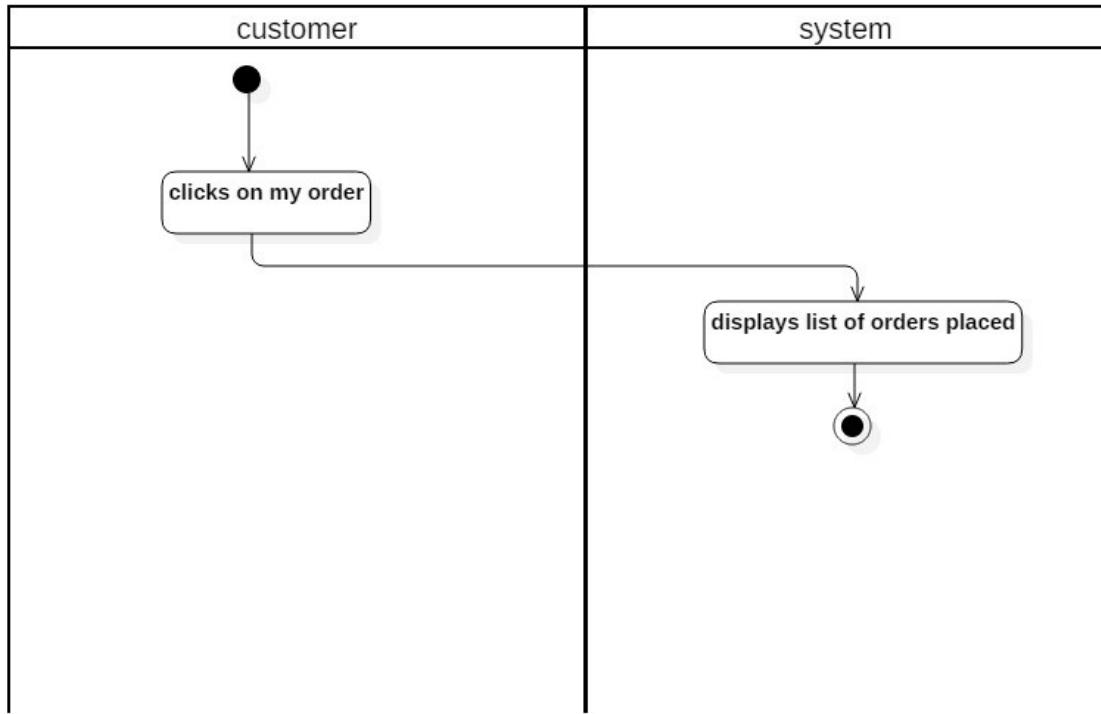


## v. Manage cart

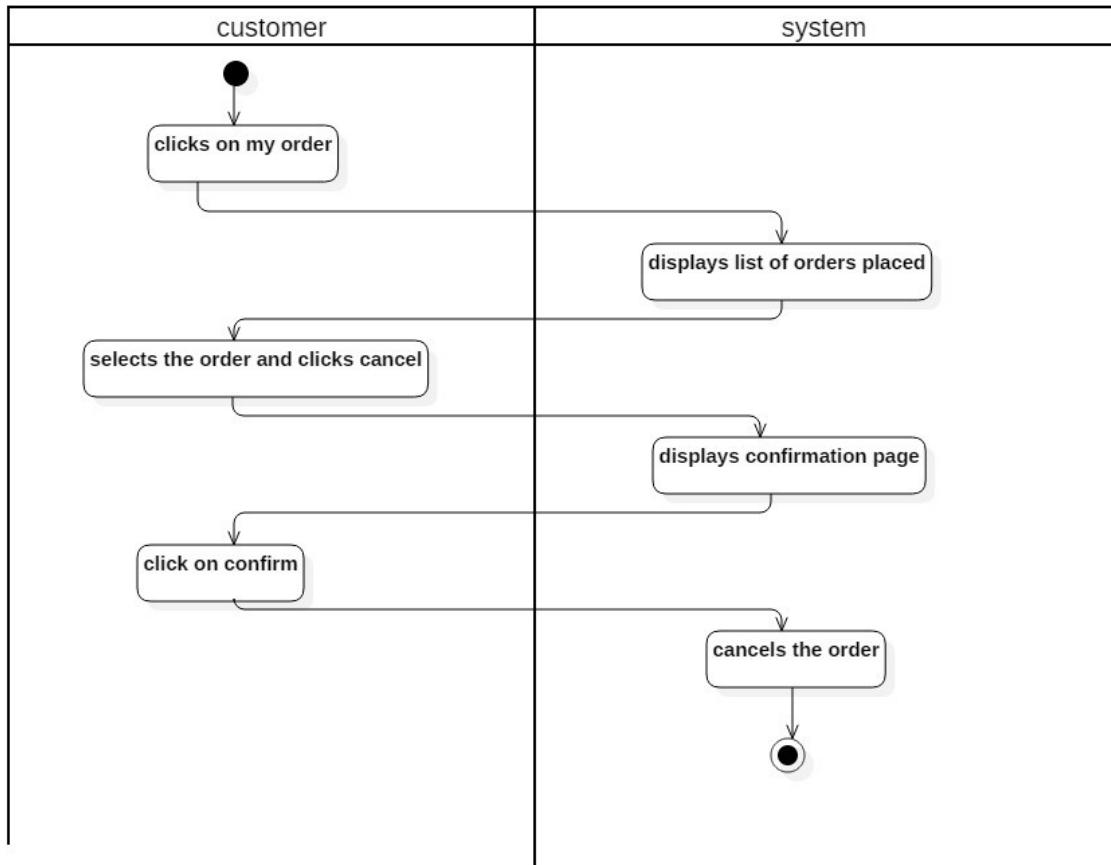
## vi. Make payment



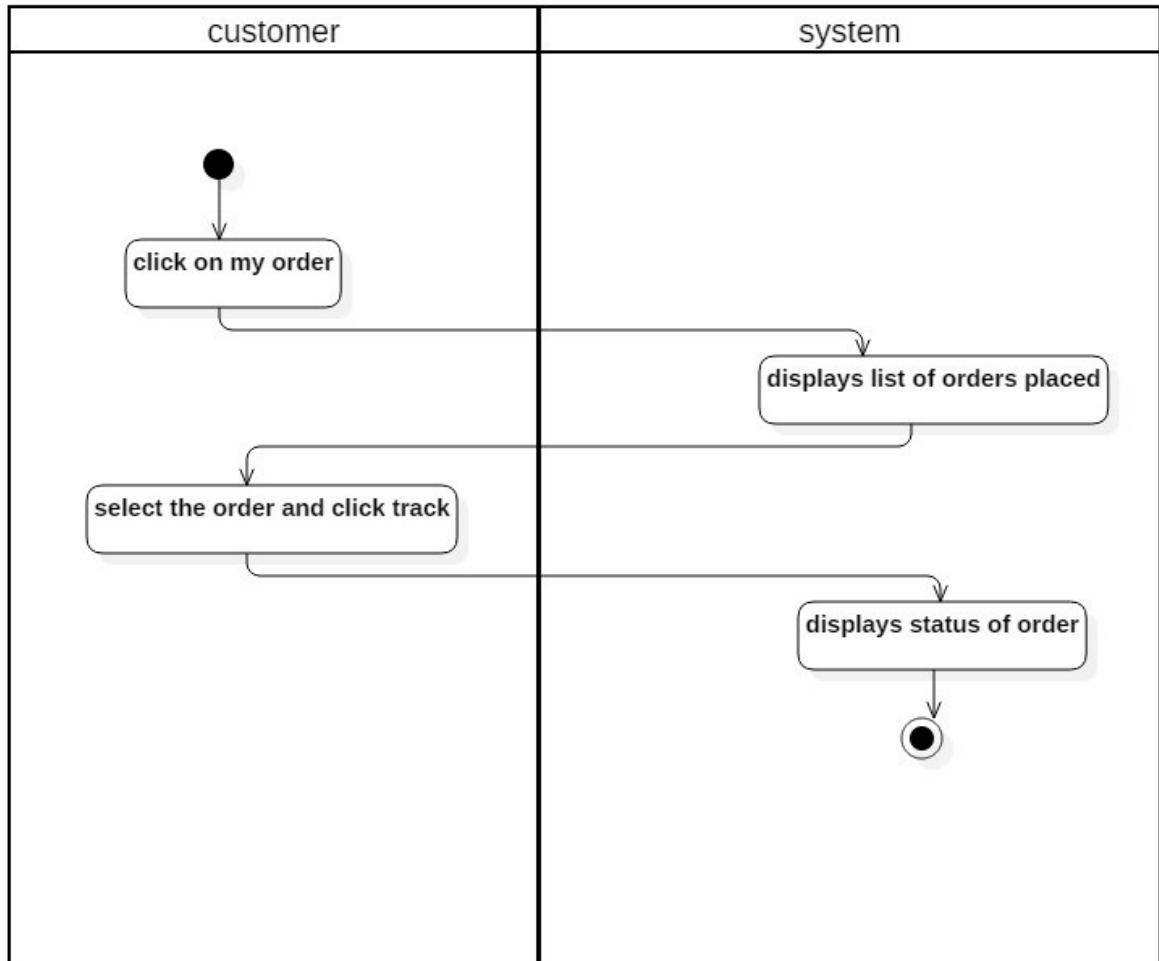
## vii. My order



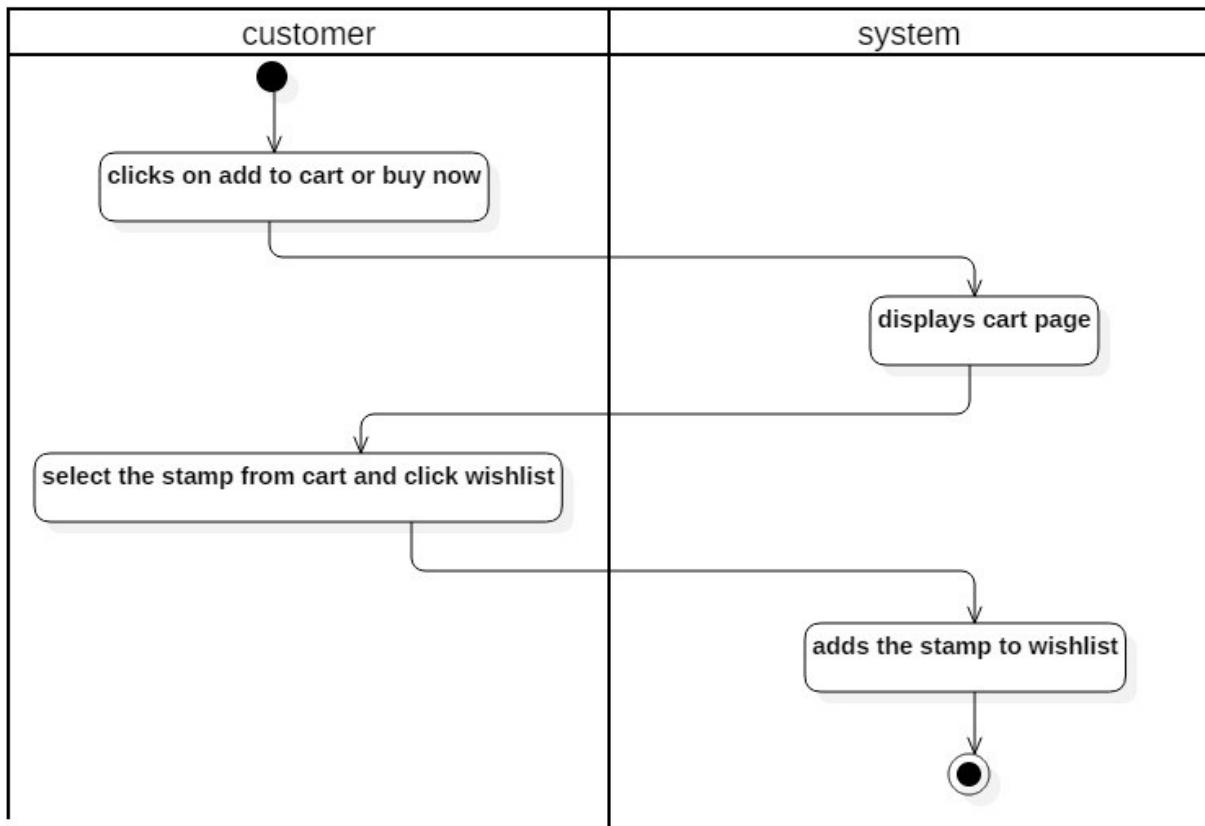
## viii. Cancel order



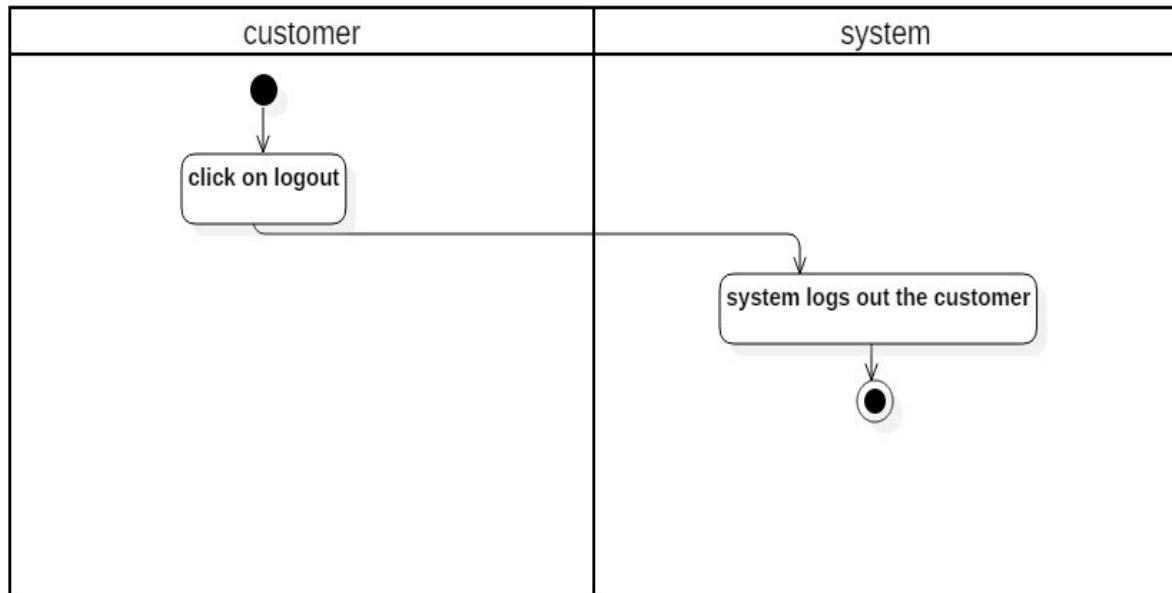
## ix. Track order



## x. Manage Wishlist

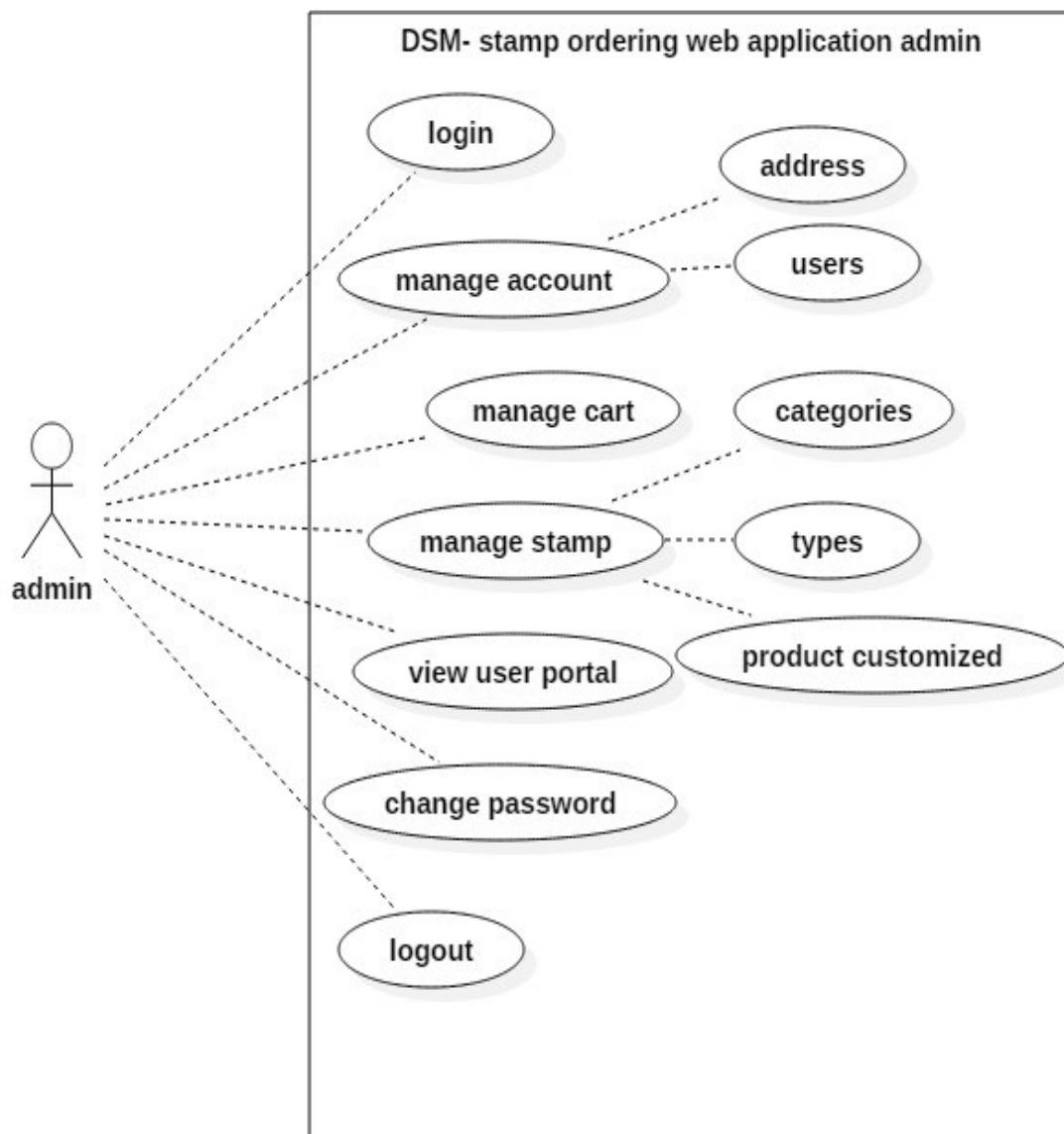


## xi. Logout

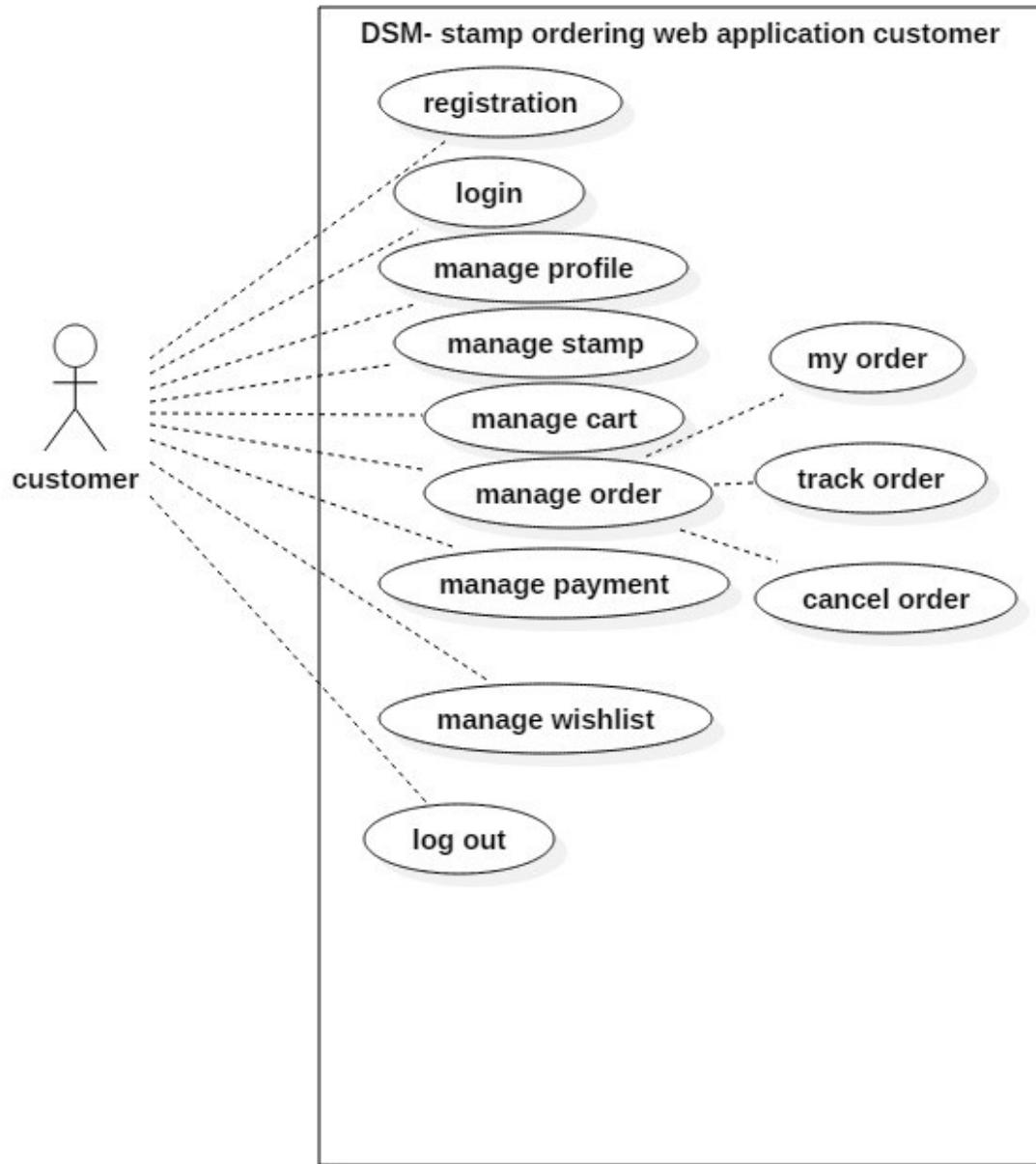


## 2.4 Use case diagrams

### I. Admin



## II. Customer



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## 2.5 Detailed use cases

### I. Admin

Use Case Name	Login
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Admin
Stakeholder & Interest	Admin wants to successfully login
Precondition	Admin should have valid username and password
Postcondition	Successful login
Main screen scenario	<ol style="list-style-type: none"><li>1. Admin clicks on login button</li><li>2. Enters username and password</li><li>3. Clicks on login</li></ol>
Extension	Invalid username and password

#### i. Login

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Use Case Name	Change Password
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Admin
Stakeholder & Interest	Admin wants to change password
Precondition	Admin has logged in successfully
Postcondition	Able to change password
Main screen scenario	<ol style="list-style-type: none"> <li>1. Clicks on change password</li> <li>2. Enters old password, new password and confirm new password</li> <li>3. Clicks on Change my Password</li> </ol>
Extension	Old and new password doesn't match

## ii. Change password

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### **iii. Manage account**

Use Case Name	Addresses
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Admin
Stakeholder & Interest	Admin wants to view or make changes to address
Precondition	Admin has logged in successfully
Postcondition	Able to view or make changes to address
Main screen scenario	<ol style="list-style-type: none"><li>1. Clicks on addresses</li><li>2. System displays all the addresses of different users</li><li>3. Searches for particular address</li><li>4. Clicks on particular address to update or delete</li><li>5. Selects particular address or all address to delete</li><li>6. Can filter addresses based on state and zipcode</li></ol>
Extension	<ol style="list-style-type: none"><li>1. Error at login</li><li>2. Fails to select address</li></ol>

Use Case Name	Users
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Admin
Stakeholder & Interest	Admin wants to view or make changes to users list
Precondition	Admin has logged in successfully
Postcondition	Able to view or make changes to users list
Main screen scenario	<ol style="list-style-type: none"> <li>1. Clicks on users</li> <li>2. System displays all registered users</li> <li>3. Searches for particular user</li> <li>4. Clicks on particular user to update, delete, block or unblock</li> <li>5. Selects all users to delete</li> <li>6. Clicks on 'Show All' to view all users on a single page</li> </ol>
Extension	<ol style="list-style-type: none"> <li>1. Error at login</li> <li>2. Fails to select user</li> </ol>

#### iv. Manage account

Use Case Name	Cart item
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Admin
Stakeholder & Interest	Admin wants to view or make changes to Cart item
Precondition	Admin has logged in successfully
Postcondition	Able to view or make changes to cart item
Main screen scenario	<ol style="list-style-type: none"> <li>1. Clicks on cart item</li> <li>2. System displays all cart items</li> <li>3. Searches for particular cart item</li> <li>4. Clicks on particular cart item to update or delete</li> <li>5. Selects all cart items to delete</li> <li>6. Can filter addresses based on product, user</li> <li>7. Clicks on ‘Show All’ to view all cart item on a single page</li> </ol>
Extension	<ol style="list-style-type: none"> <li>1. Error at login</li> <li>2. Fails to select cart item</li> </ol>

## v. Manage cart item

Use Case Name	Categories
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Admin
Stakeholder & Interest	Admin wants to view categories or make changes to it
Precondition	Admin has logged in successfully
Postcondition	Able to view categories or make changes to it
Main screen scenario	<ol style="list-style-type: none"> <li>1. Clicks on categories</li> <li>2. System displays all categories</li> <li>3. Searches for particular category</li> <li>4. Clicks on particular category to update or delete</li> <li>5. Selects all categories to delete</li> <li>6. Clicks on 'Show All' to view all categories on a single page</li> </ol>
Extension	<ol style="list-style-type: none"> <li>1. Error at login</li> <li>2. Fails to select category</li> </ol>

## vi. Manage stamps

Use Case Name	Type
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Admin
Stakeholder & Interest	Admin wants to view or make changes to type of stamps
Precondition	Admin has logged in successfully
Postcondition	Able to view or make changes to type of stamps
Main screen scenario	<ol style="list-style-type: none"> <li>1. Clicks on type</li> <li>2. System displays all types</li> <li>3. Searches for particular type</li> <li>4. Clicks on particular type of stamp to update or delete</li> <li>5. Selects all types to delete</li> <li>6. Can filter cart based on “category”</li> <li>7. Clicks on ‘Show All’ to view all types on a single page</li> </ol>
Extension	<ol style="list-style-type: none"> <li>1. Error at login</li> <li>2. Fails to select type</li> </ol>

## vii. Manage stamps

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## viii. Manage stamps

Use Case Name	Product
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Admin
Stakeholder & Interest	Admin wants to view or make changes to product
Precondition	Admin has logged in successfully
Postcondition	Able to view or make changes to product
Main screen scenario	<ol style="list-style-type: none"><li>1. Clicks on product</li><li>2. System displays all the products</li><li>3. Searches for particular product</li><li>4. Clicks on particular product to update or delete</li><li>5. Selects all products to delete</li><li>6. Can filter cart based on 'type', 'price'</li><li>7. Clicks on 'Show All' to view all products on a single page</li></ol>
Extension	<ol style="list-style-type: none"><li>1. Error at login</li><li>2. Fails to select product</li></ol>

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## ix. View User Portal

Use Case Name	View User Portal
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Admin
Stakeholder & Interest	Admin wants to view the site from user's point of view
Precondition	Admin has logged in successfully
Postcondition	Able to view the site from user's side
Main screen scenario	<ol style="list-style-type: none"><li>1. Clicks on View Site</li><li>2. System displays the site from user's point of view</li></ol>
Extension	Error at login

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Use Case Name	Logout
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Admin
Stakeholder & Interest	Admin wants to logout
Precondition	Admin has logged in successfully
Postcondition	Able to logout
Main screen scenario	<ol style="list-style-type: none"> <li>1. Clicks on logout</li> <li>2. System logs out the admin</li> </ol>
Extension	Error at login

## x. Logout

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## II. Customer

### i. Registration

Use Case Name	Registration
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Customer
Stakeholder & Interest	Customer wants to register to the site
Precondition	Customer has first name, last name, email, password and confirm password
Postcondition	Registration successful
Main screen scenario	<ol style="list-style-type: none"><li>1. Click on Sign up Button</li><li>2. Enter first name, last name, email, password and confirm password or</li><li>3. Clicks on Google or Facebook to fetch details automatically through Google or Facebook profile</li><li>4. Click on Sign up</li></ol>
Extension	Invalid details and Empty fields

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## ii. Login

Use Case Name	Login
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Customer
Stakeholder & Interest	Customer wants to successfully login
Precondition	Customer should be registered to the site and have valid Email/Phone number and password
Postcondition	Successful login <ul style="list-style-type: none"><li>1. Clicks on login button</li><li>2. Enters email or phone number and password or</li><li>3. Login through Google or Facebook</li><li>4. Clicks on Login</li></ul>
Main screen scenario	
Extension	Invalid email or phone number and password

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### **iii. Manage profile**

Use Case Name	Manage Profile
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Customer
Stakeholder & Interest	Customer wants to make changes in the profile
Precondition	Customer should login successfully
Postcondition	Customer is able to make changes to its profile
Main screen scenario	<ol style="list-style-type: none"><li>1. Clicks on My Profile</li><li>2. Makes changes to the required field</li><li>3. Clicks on update</li></ol>
Extension	<ol style="list-style-type: none"><li>1. Error at login</li><li>2. Invalid Details</li></ol>

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#### iv. Manage stamp

Use Case Name	Manage Stamp
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Customer
Stakeholder & Interest	Customer wants to select a stamp
Precondition	Customer has successfully logged in
Postcondition	Customer will be able to see various stamps
Main screen scenario	<ol style="list-style-type: none"><li>1. System displays the stamp categories</li><li>2. Customer selects the category and stamp type</li><li>3. Customer clicks on customization</li><li>4. System displays the customization window</li><li>5. Customize the stamps as per requirements</li><li>6. Add to cart / buy now</li></ol>
Extension	<ol style="list-style-type: none"><li>1. Failure in selecting the category and type</li><li>2. Incomplete details</li></ol>

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## v. Manage cart

Use Case Name	Manage cart
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Customer
Stakeholder & Interest	Customer wants to manage all its items in cart
Precondition	Customer should add stamps in cart
Postcondition	Customer will be able to add more stamps, delete the stamp and proceed for payment
Main screen scenario	<ol style="list-style-type: none"><li>1. Customer clicks on continue shopping to add new stamps</li><li>2. Customer deletes the stamps which were added to cart</li><li>3. Update the quantity</li><li>4. Add stamp to Wishlist</li><li>5. Clicks on checkout button</li></ol>
Extension	<ol style="list-style-type: none"><li>1. User not logged in</li><li>2. Cart is empty</li></ol>

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Use Case Name	My orders
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Customer
Stakeholder & Interest	Customer wants to view its orders
Precondition	Customer should place orders
Postcondition	Customer will be able to see all placed orders
Main screen scenario	<ol style="list-style-type: none"> <li>1. Clicks on my order</li> <li>2. Views the lists of orders placed</li> <li>3. Move to cancellation if required</li> </ol>
Extension	No orders placed

## vi. Manage Orders

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## vii. Manage orders

Use Case Name	Track order
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Customer
Stakeholder & Interest	Customer wants to track its order
Precondition	Customer should place a order
Postcondition	Order tracked successfully
Main screen scenario	<ol style="list-style-type: none"><li>1. Clicks on Track order</li><li>2. Gets the status of the order</li></ol>
Extension	Order is not placed

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## viii. Manage orders

Use Case Name	Cancel Order
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Customer
Stakeholder & Interest	Customer wants to cancel its order
Precondition	Customer should place a order first
Postcondition	Order cancelled successfully
Main screen scenario	<ol style="list-style-type: none"><li>1. Clicks on My orders</li><li>2. Selects the order to be cancelled</li><li>3. Clicks on cancel button</li></ol>
Extension	No orders placed

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## ix. Payment

Use Case Name	Payment
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Customer
Stakeholder & Interest	Customer wants to make payment
Precondition	Customer should place an order
Postcondition	Payment is successful
Main screen scenario	<ol style="list-style-type: none"><li>1. Clicks on pay now button</li><li>2. Enter payment details</li><li>3. Click on make payment</li></ol>
Extension	<ol style="list-style-type: none"><li>1. Invalid code</li><li>2. Transaction failed</li></ol>

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## x. Manage Wishlist

Use Case Name	Manage Wishlist
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Customer
Stakeholder & Interest	Customer wants to add stamps to Wishlist to order next time
Precondition	Customer should select the stamps
Postcondition	Customer can add stamps into the Wishlist
Main screen scenario	<ol style="list-style-type: none"><li>1. Select stamps</li><li>2. Click on Add to Wishlist to order in future</li></ol>
Extension	Fails to select stamp from cart

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## xi. Logout

Use Case Name	Logout
Scope	DSM-Stamp Ordering Web Application
Level	User- Goal
Primary Actor	Customer
Stakeholder & Interest	Customer wants to logout
Precondition	Customer has logged in successfully
Postcondition	Able to logout
Main screen scenario	<ol style="list-style-type: none"><li>1. Clicks on logout</li><li>2. System has logged out the customer</li></ol>
Extension	Error at login

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## 3.1 Frontend Software Tools

### 1. Html



**Hypertext Markup Language (HTML)** is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, link, quotes and other items. HTML elements are delineated by tags, written using angle brackets.



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## 2. CSS



**Cascading Style Sheets (CSS)** is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CS in a separate.css file, and reduce complexity and repetition in the structural content.

Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as on-screen, in print, by voice (via speech-based browser or screen reader), and on Braille-based tactile devices. CSS also has rules for alternate formatting if the content is accessed on a mobile device.

The name cascading comes from the specified priority scheme to determine which style rule applies if more than one rule matches a particular element. This cascading priority scheme is predictable.



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### 3. Bootstrap



**Bootstrap** is a free and open-source CSS framework directed at responsive, mobile-first font-end web development. It contains CSS- and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation and other interface components.

Bootstrap is the sixth-most-starred project on GitHub, with more than 135,000 stars, behind freeCodeCamp (almost 307,00 stars) and marginally behind Vue.js framework.

Bootstrap, originally named Twitter Blueprint, was developed by Mark Otto and Jacob Thornton at Twitter as a framework to encourage consistency across internal tools. Before Bootstrap, various libraries were used for interface development, which led to inconsistencies and a high maintenance burden.

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## 4. JQuery



**jQuery** is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax. It is free, open-source software using the permissive MIT License. As of May 2019, jQuery is used by 73% of the 10 million most popular websites. Web analysis indicates that it is the most widely deployed JavaScript library by a large margin, having 3 to 4 times more usage than any other JavaScript library.

jQuery's syntax is designed to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax applications. jQuery also provides capabilities for developers to create plugins on top of the JavaScript library. This enables developers to create abstractions for low-level interaction and animation, advanced effects and high-level, themeable widgets. The modular approach to the jQuery library allows the creation of powerful dynamic web pages and Web applications.

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The set of jQuery core features-DOM elements selectins, traversal and manipulation-enabled by its selector engine (named “Sizzle” from v1.3) created a new “programming style”, fusing algorithms and DOM data structures.

## **4.**

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## 3.2 Backend Software Tools

### 1. Django



- Django is a Python-based free and open-source web framework, which follows the model-template-view (MTV) architectural pattern. It is maintained by the Django Software Foundation (DSF), an independent organization established as a 501(c)(3) non-profit.
- Django's primary goal is to ease the creation of complex, database-driven websites. The framework emphasizes reusability and “pluggability” of components, less code, low coupling, rapid development, and the principle of don't repeat yourself. Python is used throughout, even for setting files and data models. Django also provides an optional administrative create, read, update and delete interface that is generated dynamically through introspection and configured via admin models.
- Some well-known sites that use Django include the Public Broadcasting Service, Instagram, Mozilla, The Washington Times, Disqus, Bitbucket, and Nextdoor. It was used on Pinterest, but later the site moved to a framework built over Flask.

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## 2. PostgreSQL



PostgreSQL is a powerful, open source object-relational database system that uses and extends the SQL language combined with many features that safely store and scale the most complicated data workloads. The origins of PostgreSQL date back to 1986 as part of the POSTGRES project at the University of California at Berkeley and has more than 30 years of active development on the core platform.

PostgreSQL has earned a strong reputation for its proven architecture, reliability, data integrity, robust feature set, extensibility, and the dedication of the open source community behind the software to consistently deliver performant and innovative solutions. PostgreSQL runs on all major operating systems, has been ACID-compliant since 2001, and has powerful add-ons such as the popular PostGIS geospatial database extender. It is no surprise that PostgreSQL has become the open source relational database of choice for many people and organisations.

Getting started with using PostgreSQL has never been easier - pick a project you want to build, and let PostgreSQL safely and robustly store your data.

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## 3.3 Middleware and auxiliary software tools

### 1. Adobe Photoshop



- Adobe Photoshop is a raster graphics editor developed and published by Adobe Inc. for Windows and macOS. It was originally created in 1988 by Thomas and John Knoll. Since then, the software has become the industry standard not only in raster graphics editing, but in digital art as a whole. The software's name has thus become a generic trademark, leading to its usage as a verb (e.g. "to photoshop an image", "photoshopping", and "photoshop contest") although Adobe discourages such use. Photoshop can edit and compose raster images in multiple layers and supports masks, alpha compositing and several color models including RGB, CMYK, CIELAB, spot color, and duotone.
- Photoshop uses its own PSD and PSB file formats to support these features. In addition to raster graphics, this software has limited abilities to edit or render text and vector graphics (especially through

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clipping path for the letter), as well 3D graphics and video. Its feature set can be expanded by plug-ins.

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## 2. StarUML



**StarUML** is a UML tool by MKLAB. The software was licensed under a modified version of GNU GPL until 2014, when a rewritten version 2.0.0 was released for beta testing under a proprietary license.

After being abandoned for some time, the project had a revival to move from Delphi to Java/Eclipse and then stopped again. In 2014, a rewritten version was released as proprietary software. However, the open source version's community is still active and many topics are discussed on the forums.

The stated goal of the project was to replace larger, commercial applications such as Rational Rose and Borland Together.

StarUML supports most of the diagram types specified in UML 2.0. It is currently missing timing and interaction overview diagrams.

Currently the newest version of StarUML by the original authors is available for download under the handle “StarUML 2”. The public beta is available, although not under the GPL license. Final price and new license type yet remains unknown. This version has been completely rewritten from scratch and includes among many features: support for extensions, OS X compatibility and a new graphical user interface.

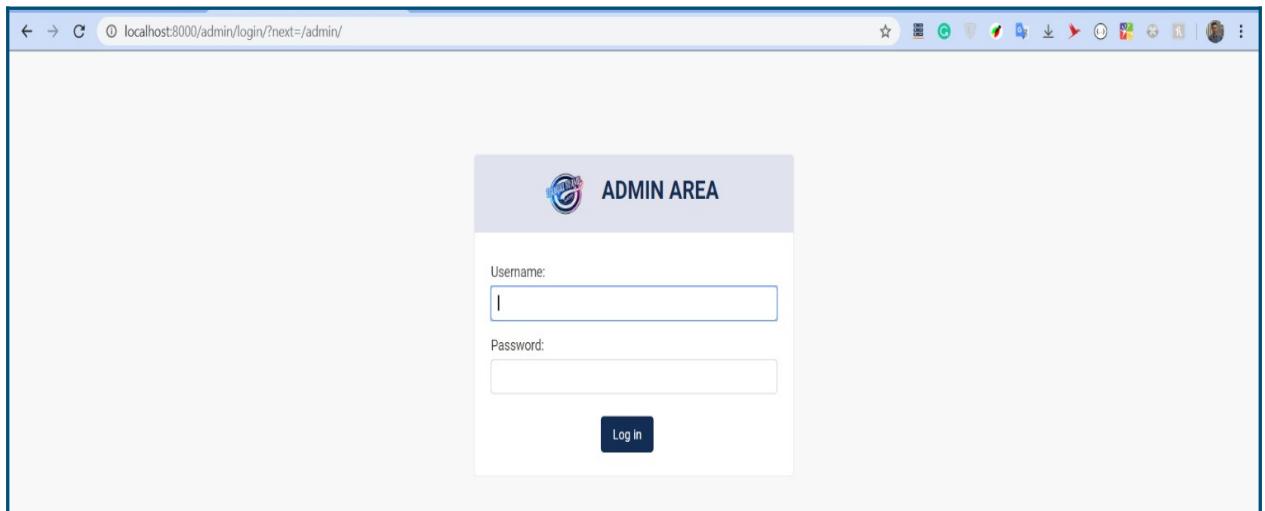
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## 4.1 User Manual

### 1. Admin

#### i. Login page

- Admin has to enter valid Username and Password to login.



## ii. Home page

- Following is the home page which is displayed once the Admin Logs in.

The screenshot shows the 'ADMIN AREA' interface at [localhost:8000/admin/](http://localhost:8000/admin/). The top navigation bar includes links for 'WELCOME, AZIZ RAHMAN', 'VIEW SITE / CHANGE PASSWORD / LOG OUT', and a 'Recent actions' sidebar. The main content area is organized into several sections:

- ACCOUNTS**: Email addresses, Addresses, Groups, Users.
- CARTS**: Cart items, Carts.
- PAGES**: Wishlists.
- CONTACTS**: Contacts.
- SITES**: Sites.
- ORDERS**: Orders.
- SOCIAL ACCOUNTS**: Social accounts, Social application tokens, Social applications.
- STAMPS**: Categories, Products, Types.

The 'Recent actions' sidebar lists recent activities such as adding Date, Address, and Address & Return Address Stamps, and viewing accounts/profile.

### iii. View Users

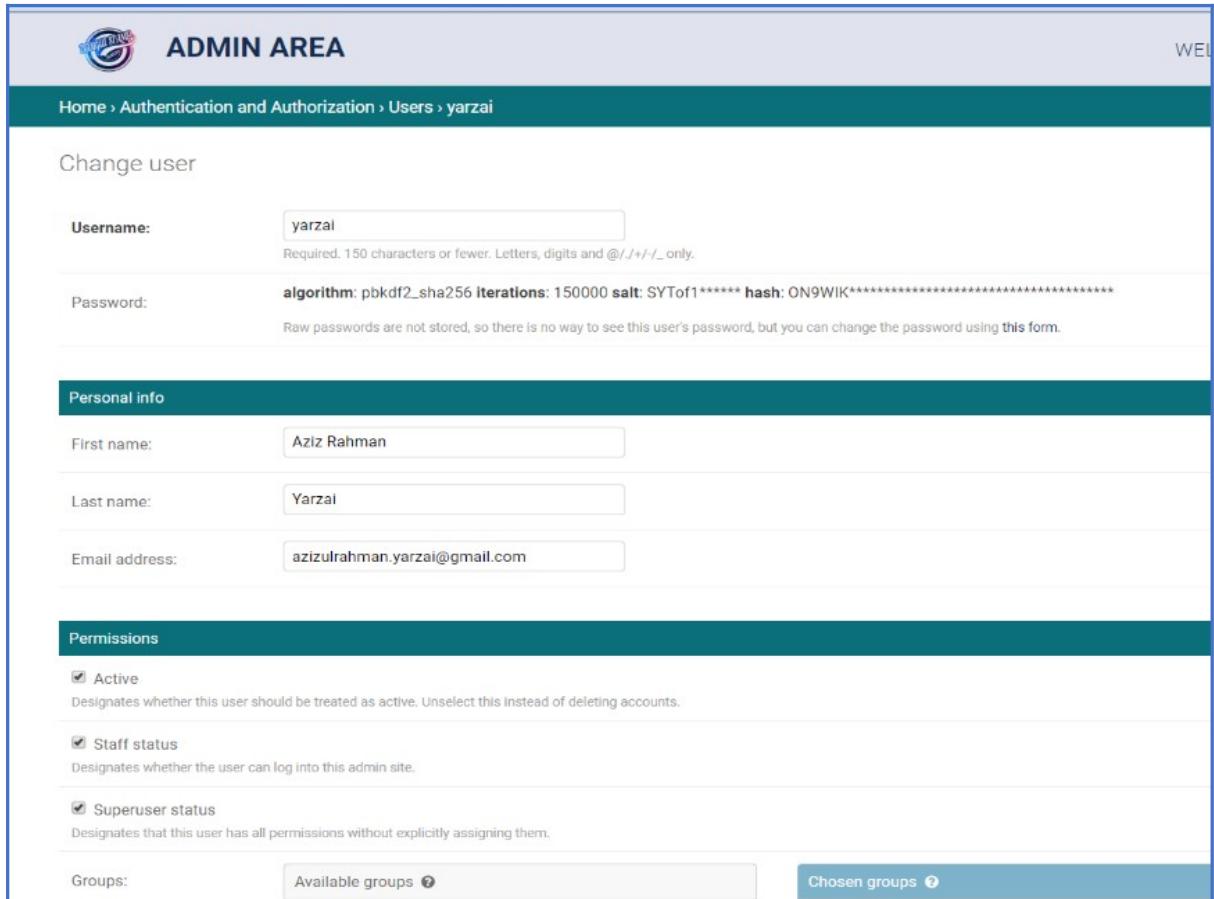
- Admin can View all registered users.
- Filters are also provided to view particular group of users.

The screenshot shows a web-based administration interface for user management. At the top, the URL is `localhost:8000/admin/auth/user/`. The page title is "ADMIN AREA". The header includes a welcome message for "AZIZ RAHMAN" and links for "VIEW SITE / CHANGE PASSWORD / LOG OUT". Below the header, the breadcrumb navigation shows "Home > Authentication and Authorization > Users". A search bar and an "ADD USER" button are visible. On the right, there is a "FILTER" sidebar with three sections: "By staff status" (All, Yes, No), "By superuser status" (All, Yes, No), and "By active" (All, Yes, No). The main content area displays a table of users with columns: USERNAME, EMAIL ADDRESS, FIRST NAME, LAST NAME, and STAFF STATUS. The table contains four rows of data:

USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
aminullah-aziz	aziz@gmail.com	aminullah	aziz	✗
aziz_rahman		Aziz Rahman	Yarzai	✗
naveed-amin	naveed@gmail.com	naveed	amin	✗
yarzai	azizulrahman.yarzai@gmail.com	Aziz Rahman	Yarzai	✓

Below the table, it says "4 users".

- Admin selects particular user to make changes to



The screenshot shows the 'ADMIN AREA' interface. At the top, there's a logo and the text 'WEL'. Below that, the breadcrumb navigation shows 'Home > Authentication and Authorization > Users > yarzai'. The main title is 'Change user'. The user details are as follows:

- Username:** yarzai (Required: 150 characters or fewer. Letters, digits and @/./+/-/\_ only.)
- Password:** algorithm: pbkdf2\_sha256 iterations: 150000 salt: SYTof1\*\*\*\*\* hash: ON9WIK\*\*\*\*\* (Raw passwords are not stored, so there is no way to see this user's password, but you can change the password using [this form](#).)

**Personal info**

- First name:** Aziz Rahman
- Last name:** Yarzai
- Email address:** azizulrahman.yarzai@gmail.com

**Permissions**

- Active**: Designates whether this user should be treated as active. Unselect this instead of deleting accounts.
- Staff status**: Designates whether the user can log into this admin site.
- Superuser status**: Designates that this user has all permissions without explicitly assigning them.

**Groups:** Available groups [?](#) Chosen groups [?](#)

details or to delete a user.

localhost:8000/admin/auth/user/1/change/

### Important dates

Last login:	Date: 2020-03-15	Today
	Time: 22:23:51	Now
Date joined:	Date: 2020-01-13	Today
	Time: 16:53:04	Now

---

### PROFILES

Profile: yarzai [View on site](#)

Image:	Currently: profiles/IMG_9493.JfWvLB.JPG  Clear
Change:	<input type="button" value="Choose File"/> No file chosen
Phone:	9834270242
Gender:	Male
Date of birth:	1998-02-04 Today
<input type="checkbox"/> Blocked	

localhost:8000/admin/auth/user/6/delete/

## ADMIN AREA

WELCOME, AZIZ RAHMAN. [VIEW SITE / CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Authentication and Authorization > Users > aminullah-aziz > Delete

Are you sure?

Are you sure you want to delete the user "aminullah-aziz"? All of the following related items will be deleted:

**Summary**

- Users: 1
- Profiles: 1

**Objects**

- User: aminullah-aziz
- Profile: aminullah-aziz

## iv. Managing Addresses

- Admin can select particular address to make changes to it.

The screenshot shows the 'ADMIN AREA' interface for managing addresses. The top navigation bar includes links for 'Home', 'Accounts', and 'Addresses'. On the right, there are welcome messages and links for 'VIEW SITE / CHANGE PASSWORD / LOG OUT'. A search bar at the top allows users to search for specific addresses. Below the search bar, a table lists two addresses:

ADDRESS	CITY	STATE	ZIP CODE	COUNTRY	USER
202, 2nd floor, Dayna apartments, Duler	Mapuca	Goa	403507	India	yarzai
Dnyanprassarak Mandal's College and Research Centre	Assagao	Goa	403507	India	yarzai

A 'FILTER' sidebar on the right provides options to filter by state ('All', 'Goa'), zip code ('All', '403507'), and country ('All', 'India'). A 'SELECT ADDRESS +' button is located in the top right corner of the main content area.

The screenshot shows the 'ADMIN AREA' interface for changing an address. The top navigation bar includes links for 'Home', 'Accounts', and 'Addresses'. The page title is 'Change Address' for the address '202, 2nd floor, Dayna apartments, Duler'. The form fields are as follows:

- Address type: Home
- Address: 202, 2nd floor, Dayna apartments, Duler
- Country: India
- State: Goa
- City: Mapuca
- Zip code: 403507
- User: yarzai

At the bottom of the form, there are three buttons: 'Delete', 'Save and add another', 'Save and continue editing', and a large blue 'SAVE' button.

## v. Managing Cart and Cart Items

- Admin can select cart items to make changes to it.

The screenshot shows the 'ADMIN AREA' interface. At the top right, it says 'WELCOME, AZIZ RAHMAN' with links to 'VIEW SITE / CHANGE PASSWORD / LOG OUT'. Below the header, the breadcrumb navigation shows 'Home > Carts > Cart items'. The main content area has a heading 'Select cart item to change' and a search bar with a magnifying glass icon and a 'Search' button. To the right of the search bar is a 'ADD CART ITEM +' button. A 'FILTER' sidebar on the right lists 'By cart' with options: All, 66, 100, 81, 90, 85, 101, 89, and 87. The central part of the screen displays a table of cart items:

PRODUCT	CART	QUANTITY
Address Stamp 6	100	2
Address Stamp 5	100	1

Below the table, it says '2 cart items'.

The screenshot shows the 'ADMIN AREA' interface. At the top right, it says 'WELCOME, AZIZ RAHMAN' with links to 'VIEW SITE / CHANGE PASSWORD / LOG OUT'. Below the header, the breadcrumb navigation shows 'Home > Carts > Cart items > Address Stamp 6'. The main content area has a heading 'Change cart item' and a 'HISTORY' button. The form fields are: 'Product:' dropdown set to 'Address Stamp 6', 'Cart:' dropdown set to '100', and 'Quantity:' input field set to '2'. At the bottom of the form are three buttons: 'Delete' (red), 'Save and add another' (grey), 'Save and continue editing' (grey), and 'SAVE' (blue).

## vi. Manage orders

- Admin can select orders and update its status.
- Status such as Order status, payment status etc.

The screenshot shows a web browser window titled "localhost:8000/admin/orders/order/14/change/" with the "ADMIN AREA" header. The main content is a "Change Order" form. The form fields include:

- Order id: A8VV4K02FN
- Delivery address: 202, 2nd floor, Dayna apartments, Duler
- Cart: 108
- Order status: Not Confirmed
- Payment status: Not Paid
- Delivery charges: 0.00
- Total: 730.00
- A checkbox labeled "Placed" is checked.

At the bottom of the form are four buttons: "Delete" (red), "Save and add another" (blue), "Save and continue editing" (blue), and a large blue "SAVE" button.

## vii. Managing Wishlist

- Admin can also make changes to user's Wishlist.

The screenshot shows the 'Wishlist Items' page in the Admin Area. The URL is localhost:8000/admin/pages/wishlistitem/. The page has a header with the Admin Area logo, Welcome message, and navigation links. A search bar and a 'Search' button are at the top. Below is a table with columns: PRODUCT, WISHLIST, and UPDATED. Three items are listed:

PRODUCT	WISHLIST	UPDATED
Momogram Stamp MS133	2	March 15, 2020, 11:39 p.m.
Address stamp 2	2	March 15, 2020, 11:38 p.m.
Address Stamp 5	2	March 15, 2020, 11:38 p.m.

At the bottom, it says '3 Wishlist Items' and there is an 'ADD WISHLIST ITEM +' button.

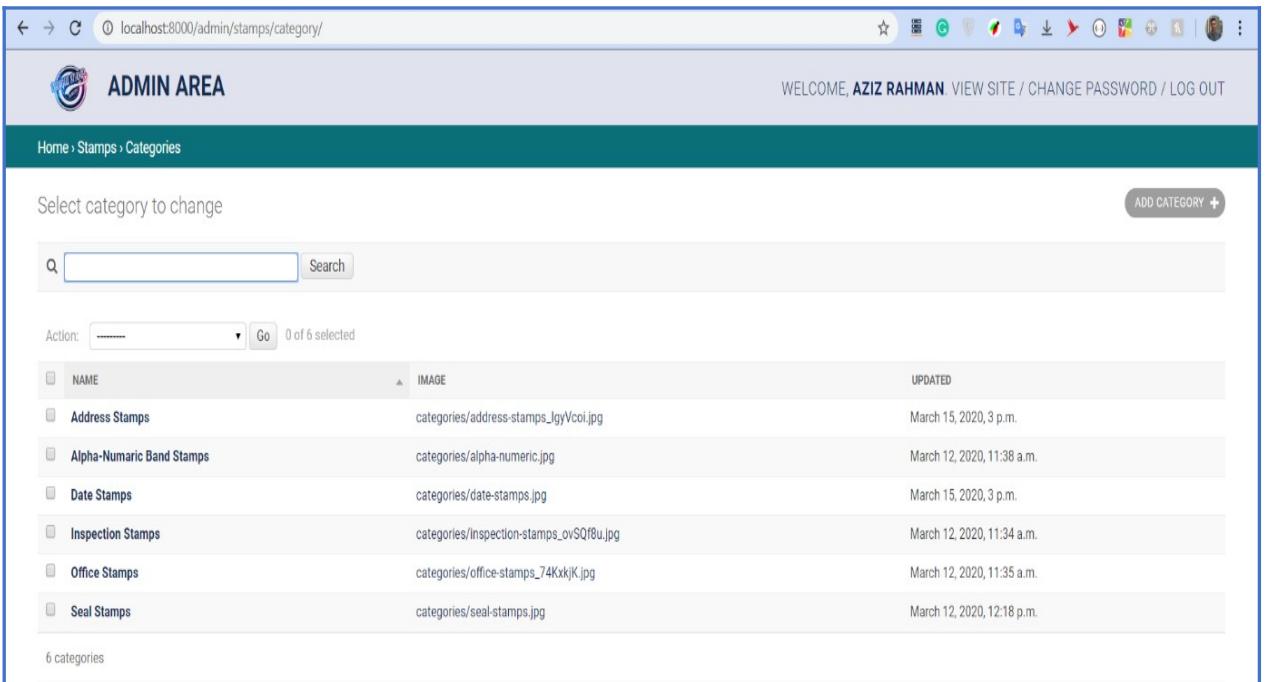
The screenshot shows the 'Change Wishlist' page for user 'yarzai'. The URL is localhost:8000/admin/pages/wishlists/yarzai. The page has a header with the Admin Area logo, Welcome message, and navigation links. It shows a user selection dropdown set to 'yarzai' with a 'Delete' button next to it. At the bottom are three buttons: 'Save and add another', 'Save and continue editing', and a blue 'SAVE' button.

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## viii. Manage Category

- Admin can make changes to the categories of product.
- Changes such as name, description, image etc.

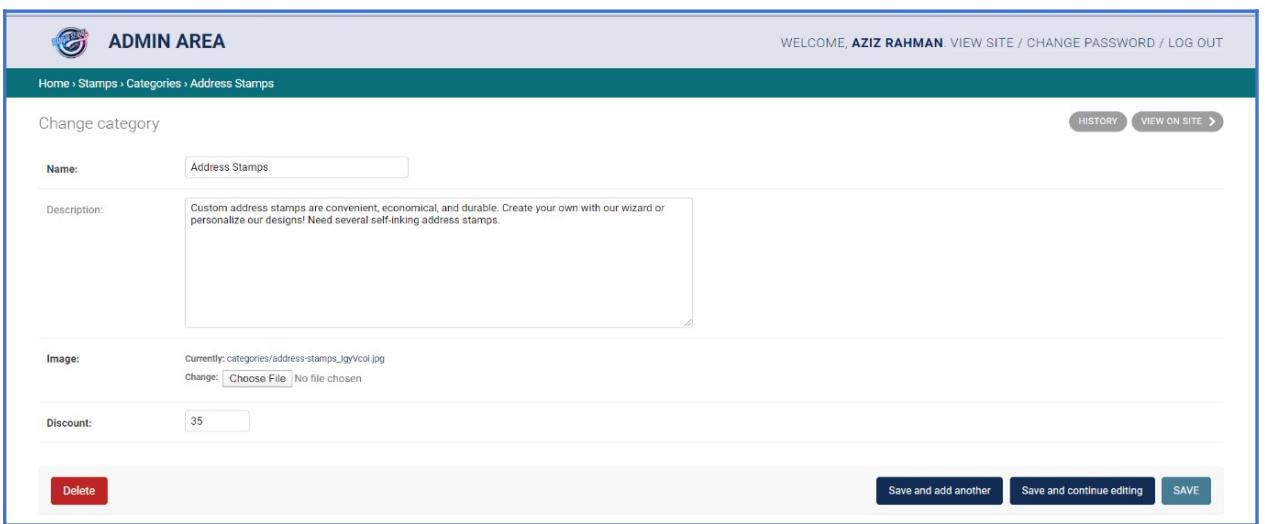
- Similar things can be done by the Admin while managing types and products.



The screenshot shows a web-based admin interface for managing stamp categories. At the top, there's a header bar with a logo, the text "ADMIN AREA", and a welcome message for "AZIZ RAHMAN". Below the header, a breadcrumb navigation shows "Home > Stamps > Categories". The main content area is titled "Select category to change" and contains a search bar with a magnifying glass icon and a "Search" button. Below the search bar is a table listing six categories. The columns are labeled "NAME", "IMAGE", and "UPDATED". The categories listed are:

NAME	IMAGE	UPDATED
Address Stamps	categories/address-stamps_lgyVcoi.jpg	March 15, 2020, 3 p.m.
Alpha-Numeric Band Stamps	categories/alpha-numeric.jpg	March 12, 2020, 11:38 a.m.
Date Stamps	categories/date-stamps.jpg	March 15, 2020, 3 p.m.
Inspection Stamps	categories/inspection-stamps_ovSQf8u.jpg	March 12, 2020, 11:34 a.m.
Office Stamps	categories/office-stamps_74KxkjK.jpg	March 12, 2020, 11:35 a.m.
Seal Stamps	categories/seal-stamps.jpg	March 12, 2020, 12:18 p.m.

At the bottom left of the table, it says "6 categories". On the right side of the table, there's a "ADD CATEGORY +" button.



This screenshot shows the "Address Stamps" category being edited. The page title is "Home > Stamps > Categories > Address Stamps". The main content area is titled "Change category". The "Name" field is filled with "Address Stamps". The "Description" field contains the text: "Custom address stamps are convenient, economical, and durable. Create your own with our wizard or personalize our designs! Need several self-inking address stamps." The "Image" section shows the current image path: "categories/address-stamps\_lgyVcoi.jpg" and a "Choose File" button with the note "No file chosen". The "Discount" field has the value "35". At the bottom right, there are three buttons: "Save and add another", "Save and continue editing", and a larger "SAVE" button.

## ix. Changing Password

- Admin can change its password by entering the old password and new password.

The screenshot shows a web browser window with the URL `localhost:8000/admin/password_change/`. The page title is "ADMIN AREA". On the right, it says "WELCOME, AZIZ RAHMAN. CHANGE PASSWORD / LOG OUT". The main content area is titled "Password change". It instructs the user to enter their old password and new password twice. There are four validation messages below the "New password:" field:

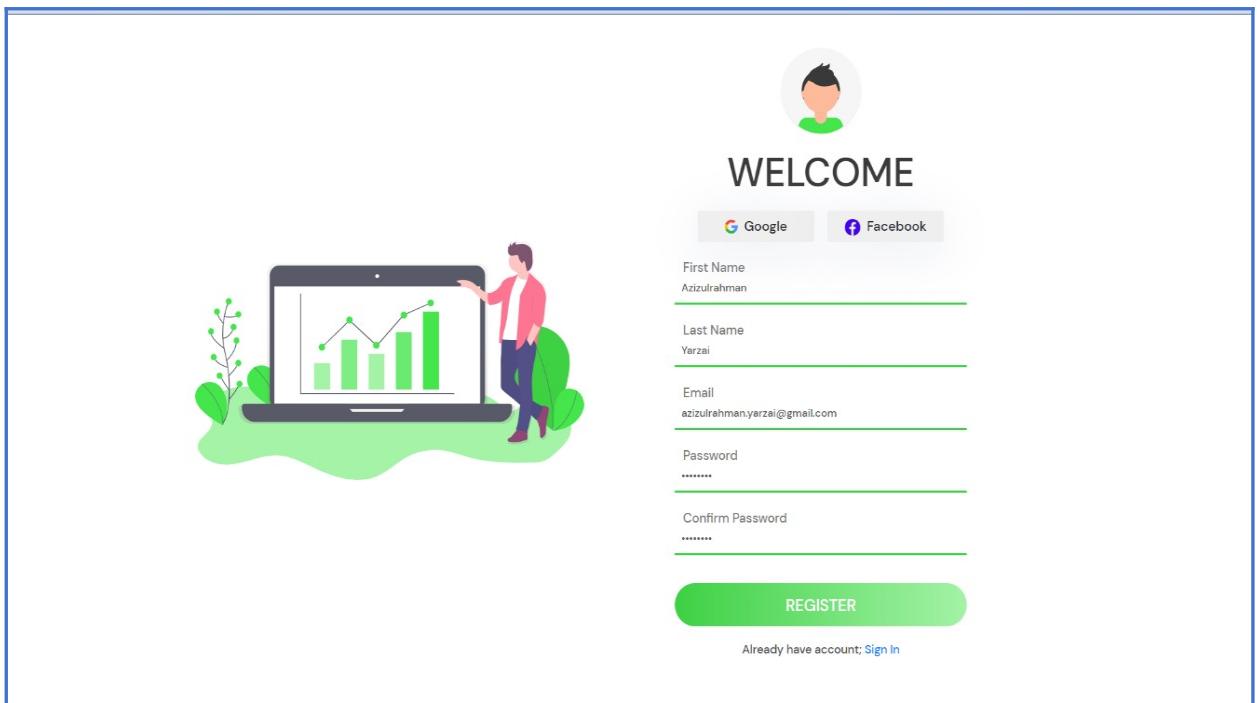
- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

At the bottom right is a blue button labeled "CHANGE MY PASSWORD".

## 2. User Portal

### i. Registration page

- User can register to DSM- Web Application
- User should enter first name, last name, valid email id and a password.
- User can also login through Google or Facebook account.



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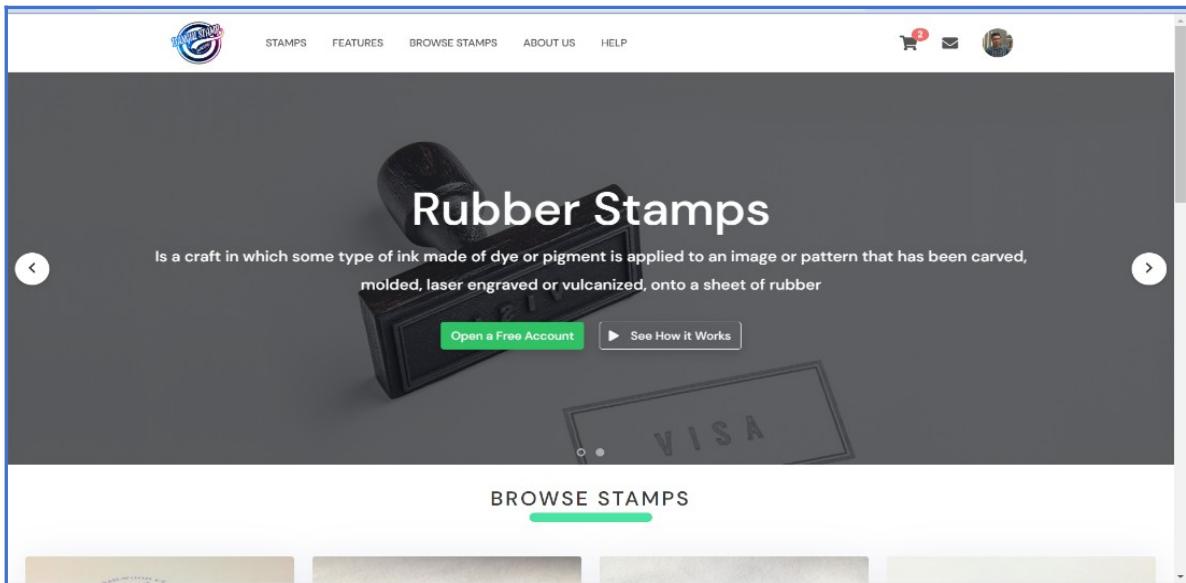
## ii. Login page

- User can login using the registered email id and valid password that was created during registration.
- User can also login using Google or Facebook.

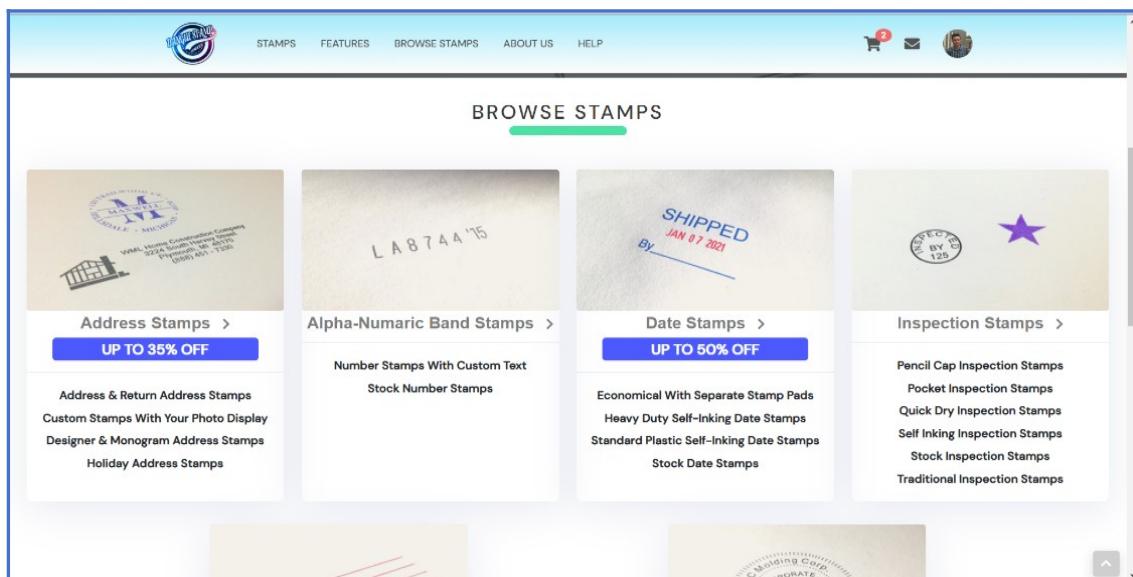


### iii. Home page

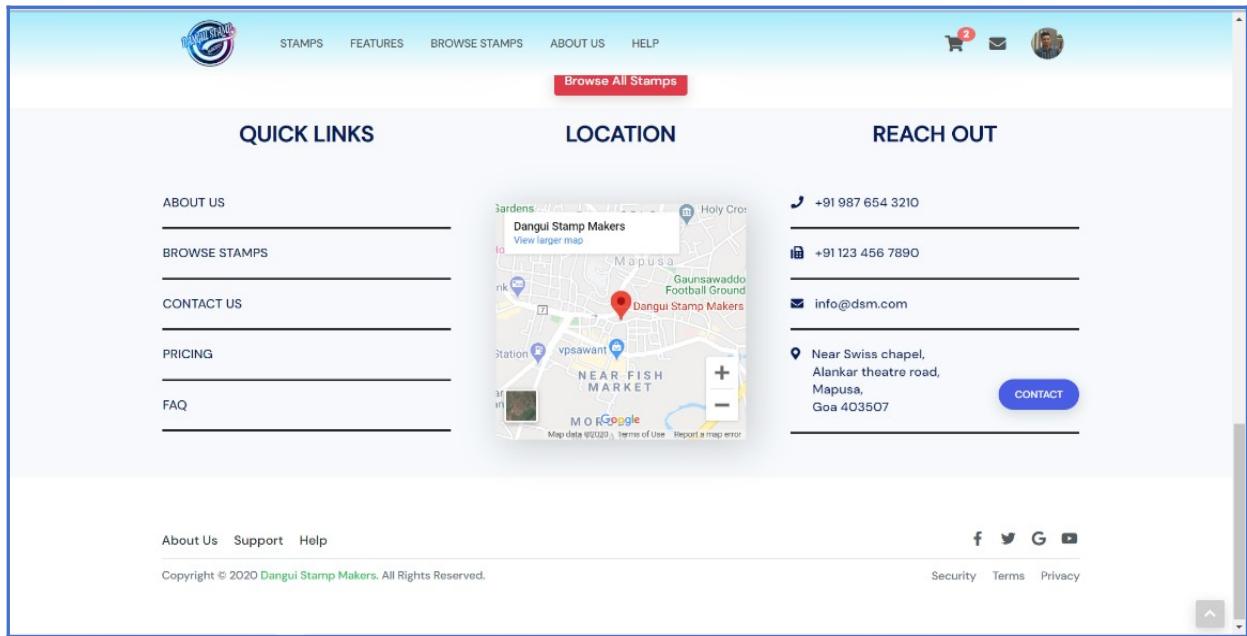
- This is the home page, where user will be able to view the site and its content.



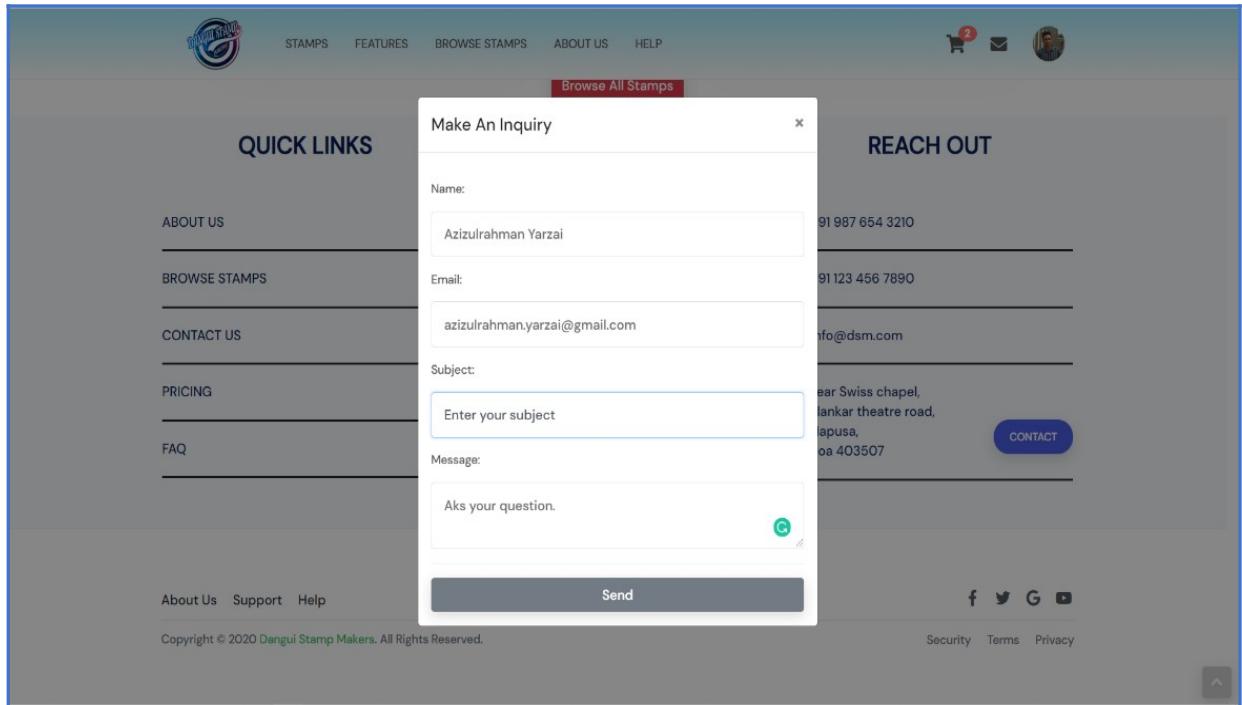
- User/Customer can browse the stamps and selects whichever stamps he or she wants.



- Following page displays the company's address, contact details and also provides location via google maps.



- The FAQ option lets the user send feedback or ask questions related to the products.



- Following page displays details about the company and its goals.

The screenshot shows a website for "Dangui Stamp Makers". At the top, there's a navigation bar with links for STAMPS, FEATURES, BROWSE STAMPS, ABOUT US (which is underlined in green), and HELP. There are also icons for a shopping cart with a '2' and a user profile. Below the navigation, the page title "ABOUT US" is centered above a green horizontal bar. Underneath, the section "OUR MISSION" is heading. A paragraph follows, stating: "We take orders for Nylon stamp, Pre-Ink stamps and Amul Ice Cream (free delivery within 1km radius) Also we deliver stamps in Goa." Another paragraph explains the company's primary objective: "At Dangui Stamp Makers, our primary objective is to ensure that all customers get value for their money. To achieve this objective, we provide high quality products at very competitive prices." A third paragraph discusses the popularity and benefits of stamps: "Although stamps were first used many years ago, their popularity is still increasing as days go by. They are a perfect way of marking your impression. If you want to create a strong brand for your business, stamps are the way to go. They can help reduce work load by significant proportions. To make parcels and documents appear more credible, consider embossing your business logo. Even though they are quite affordable, stamps are very effective tools and can go a long way in enhancing productivity at the office." A fourth paragraph highlights the use of personalized stamps: "One of the promotional tools that many business make use of is personalized stamps. Stamps that carry business logos look attractive and can help promote the business through their bold impressions. Remember that a logo is regarded as the face of a business, and most people would identify an organization if they come across its logo. For that reason, you should consider placing your business' emblem on all official documents. To achieve this objective, you only need to integrate the design on stamps. They are preferred by doctors, engineers, lawyers, accountants and other professionals because of their affordable cost, efficiency and portability." The final paragraph encourages purchasing from them: "You can purchase customized stamps from Dangui Stamp Makers. Choose your preferred font size, stamp size, font style, stamp shape and design. Custom stamps can make your organization seem better than competitors. Get a signature stamp or an ordinary stamp containing acronyms of your company in distinctive font styles."

## iv. Manage Profile and Account

- Following page displays customer profile where the user can make changes to it.

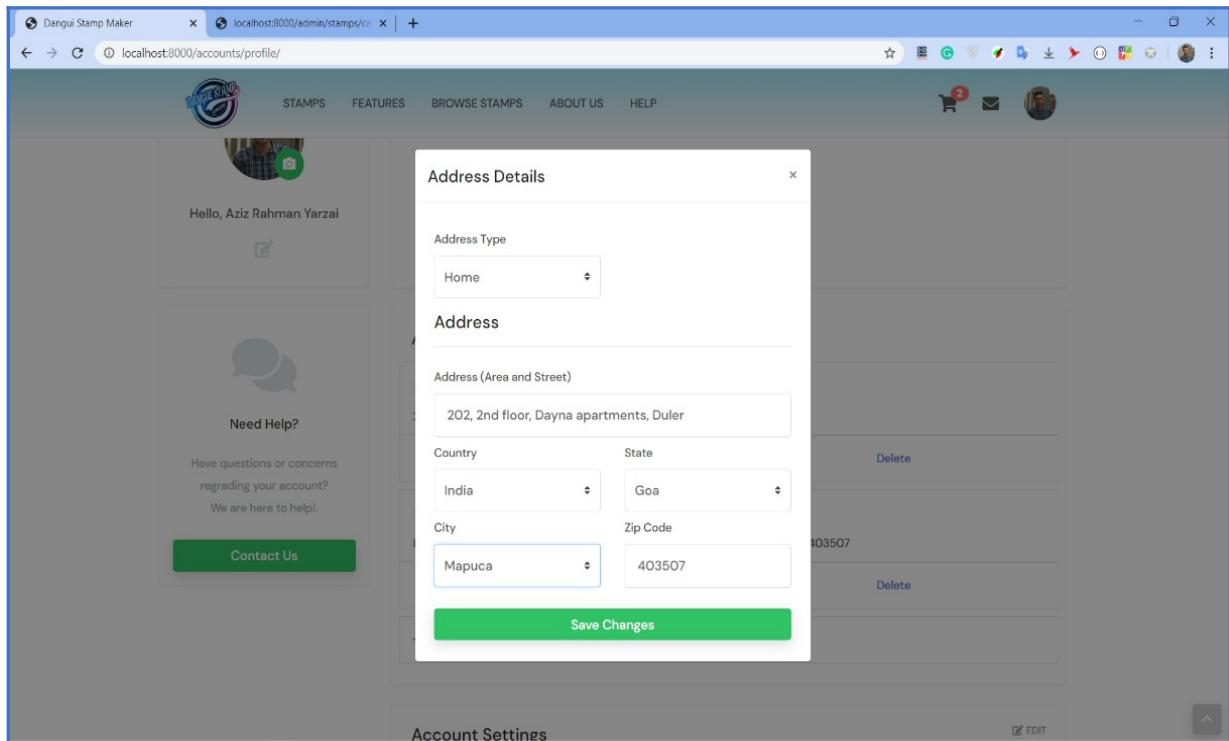
The image displays two screenshots of a web-based account management interface for 'Travel Stamps'. The top screenshot shows the 'Personal Details' section, which includes a user profile picture, a greeting message ('Hello, Aziz Rahman Yarzai'), and a 'Need Help?' section with a message about account concerns and a 'Contact Us' button. The bottom screenshot shows the 'Address Details' section, which lists a home address in Duler, Mapuca, Goa India 403507, and a work address at Dnyanprassarak Mandal's College and Research Centre, Assagao, Goa India 403507. It also includes sections for 'Account Settings' (with an 'Active' status), 'Email Addresses' (listing azizulrahman.yarzai@gmail.com), and 'Phone' (listing 9834270242). Both screenshots show a navigation bar with links for STAMPS, FEATURES, BROWSE STAMPS, ABOUT US, and HELP, along with a shopping cart icon, email notifications, and a user profile icon.

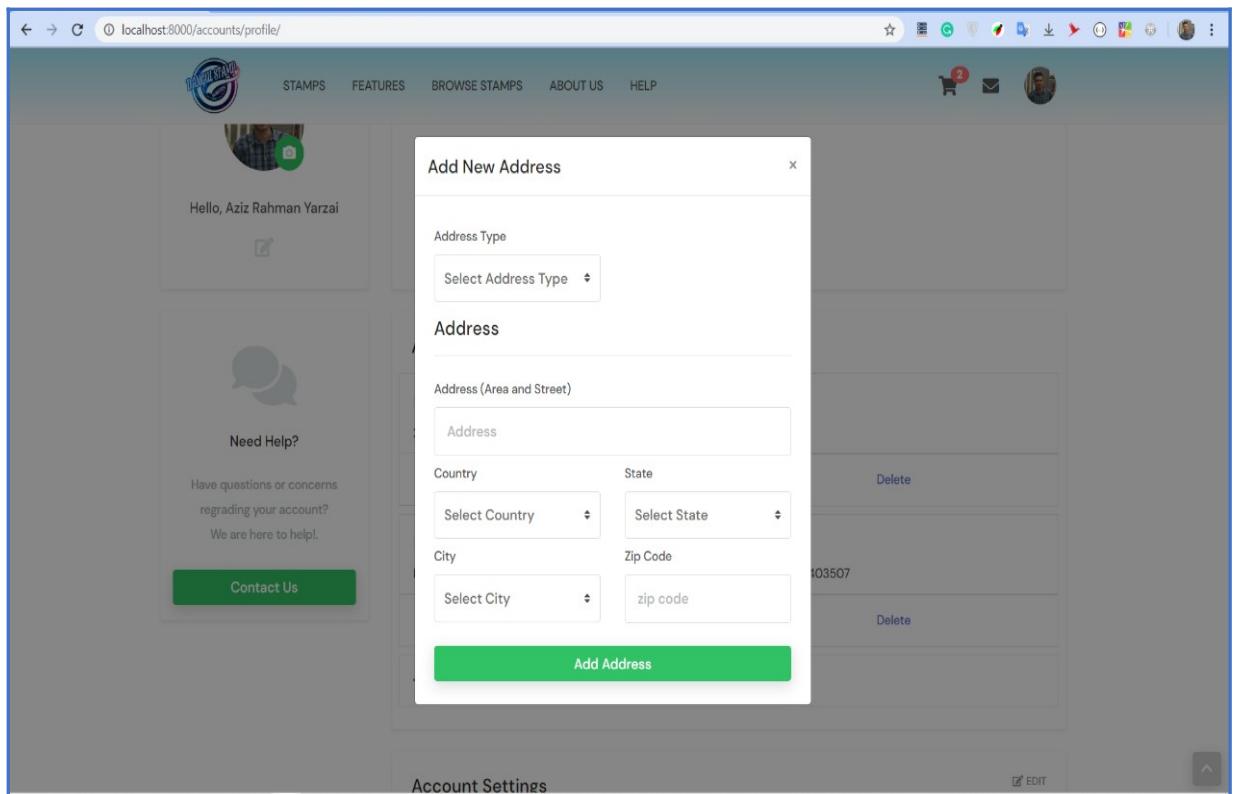
The screenshot shows a user profile page with a blue header bar. Below it, there are two sections: 'Phone' and 'Security'. The 'Phone' section contains a mobile number (9834270242) with an 'EDIT' button. The 'Security' section contains a password (represented by dots) with an 'EDIT' button. At the bottom, there are links for 'About Us', 'Support', 'Help', 'Copyright © 2020 Dangui Stamp Makers. All Rights Reserved.', 'Security', 'Terms', 'Privacy', and social media icons for Facebook, Twitter, Google, and YouTube.

- User can make changes like
  - Personal Details.

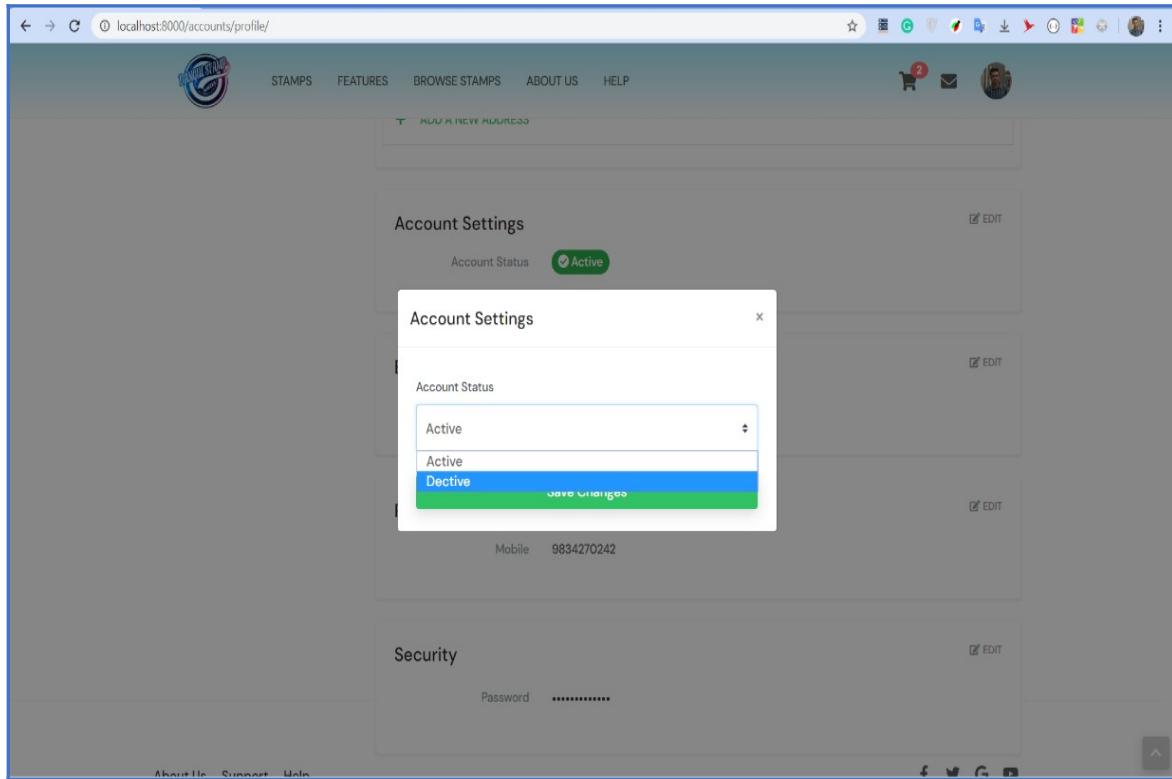
The screenshot shows a browser window with a URL of localhost:8000/accounts/profile/. The main page has a navigation bar with 'STAMPS', 'FEATURES', 'BROWSE STAMPS', 'ABOUT US', 'HELP', and a user icon with a '2' notification. Below the navigation is a green header bar with 'Account', 'Orders', and 'Wish List'. A central 'Personal Details' modal dialog is open, containing fields for 'First Name' (Aziz Rahman), 'Last Name' (Yarzai), 'Date of Birth' (1998-02-04), and 'Gender' (Male). A 'Save Changes' button is at the bottom of the modal. The background of the page shows a user profile picture and a 'Need Help?' section.

- Changes to current address and can add new address.

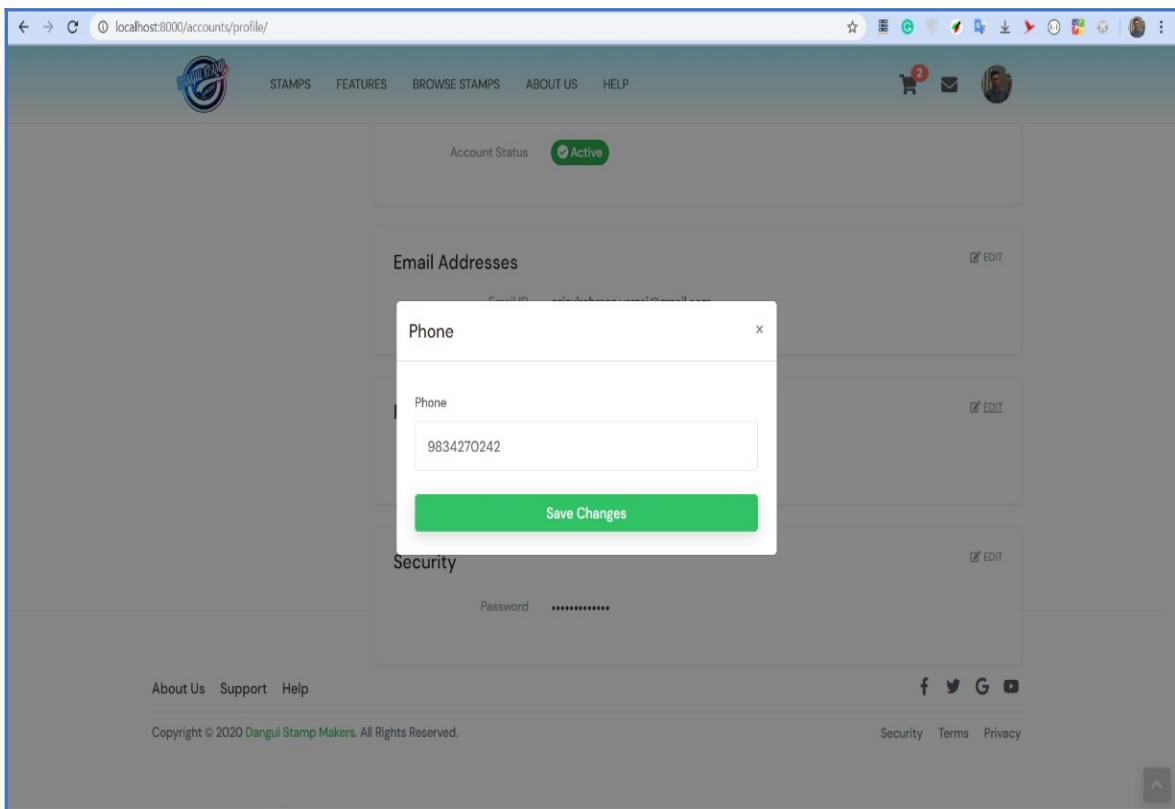




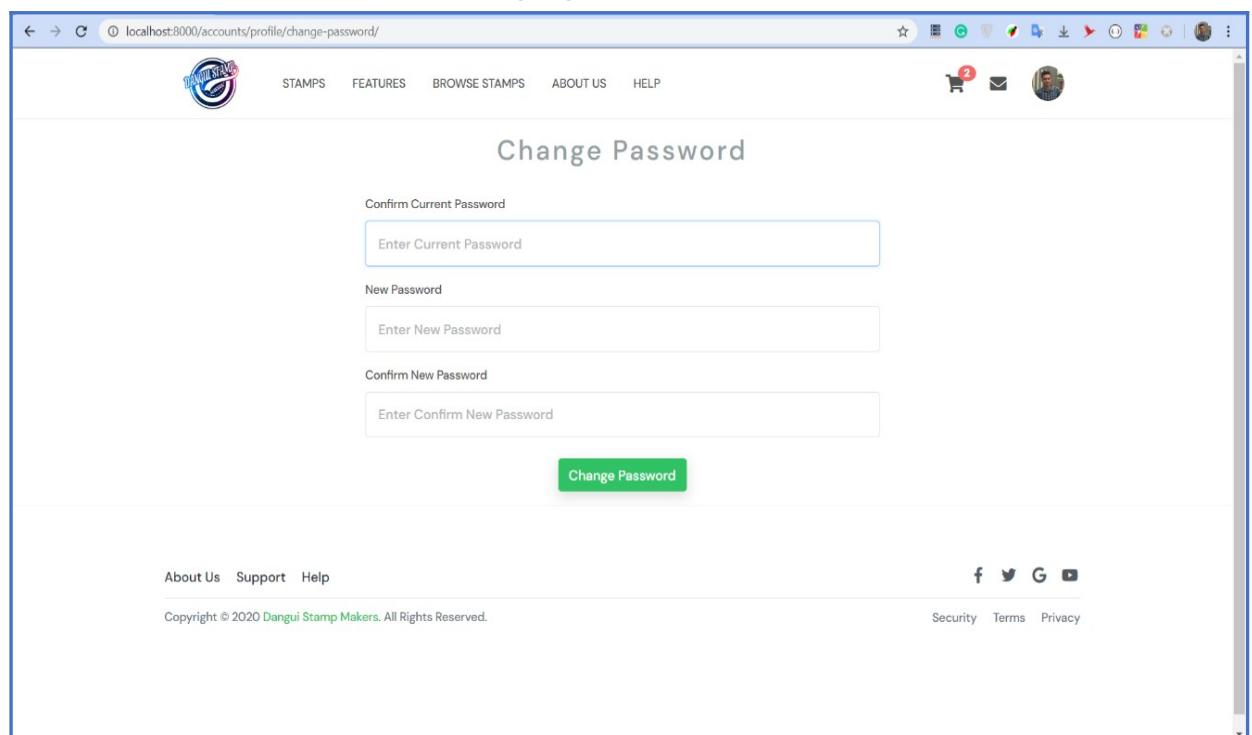
- User can deactivate the account active or set it to active.



- Changing Phone Number.



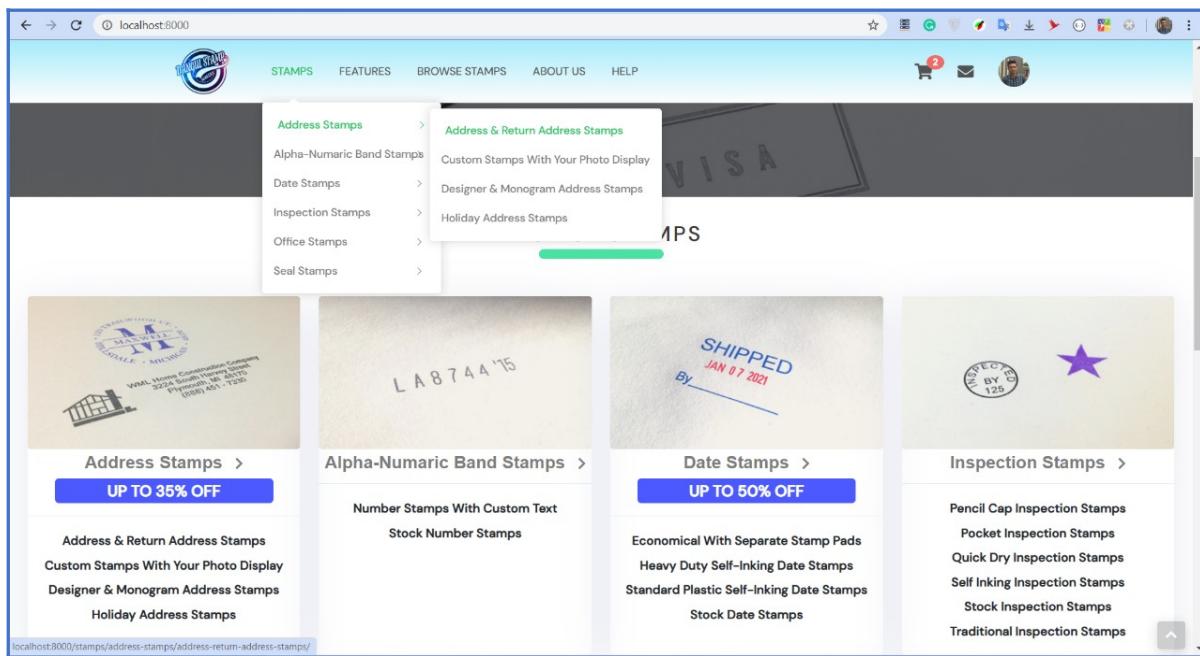
- Changing Password.





## v. Selecting Stamp categories and types

- By clicking on stamps user can directly see different categories of stamps and after selecting a category it will display the types of stamps in that category.
- User can also browse the stamps from the home page and select a particular category and type.

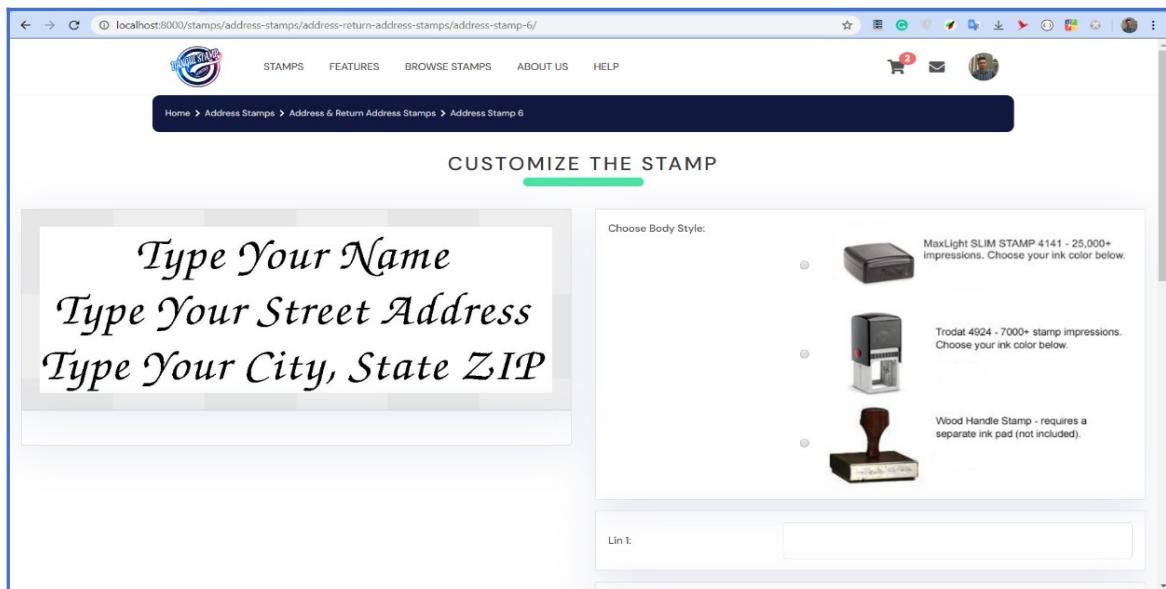


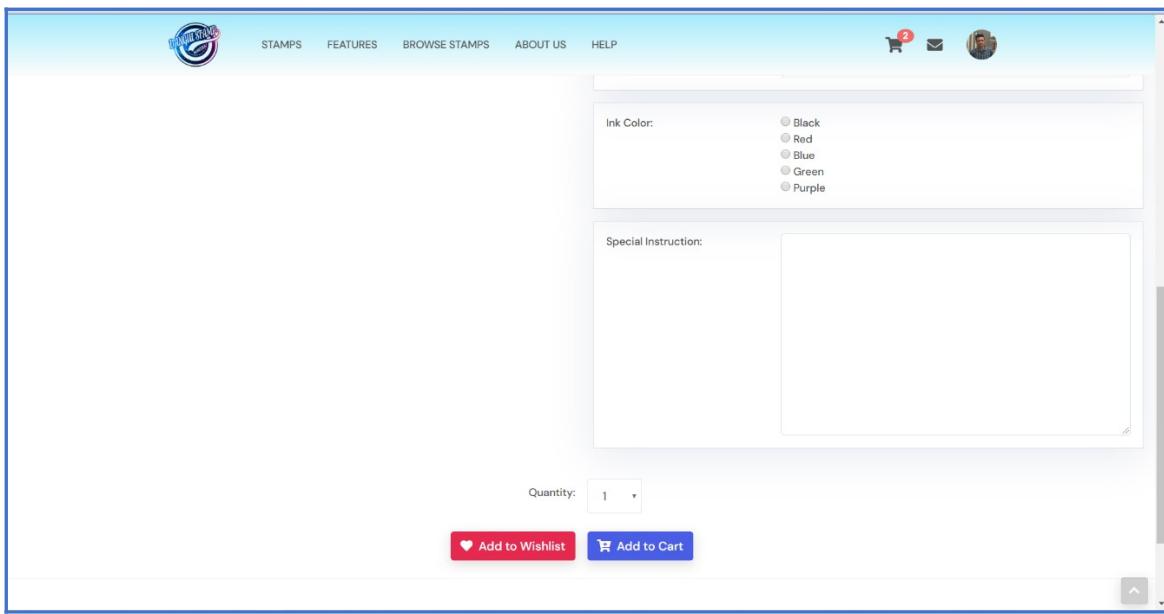
## ● Categories

## ● Types

## vi. Customization

- After selecting a stamp, customization window will be displayed.
- User can customize the stamp by typing the text that should appear on stamp, the font, shape and size etc.





## vii. Cart

- This displays all the items that the user has added to the cart.
- The user can delete an item from the cart, increase or decrease the quantity.
- User can either proceed to make payment or can continue shopping.

localhost:8000/carts/

YOUR SHOPPING CART

YOUR ITEMS		CHECKOUT	
Type Your Name Type Your Street Address Type Your City, State ZIP	Address Stamp 6 Price: ₹1420.00 Qty: 2	₹1420.00	<a href="#">Increase Quantity</a>
Type Your Name Type Your Street Address Type Your City, State ZIP	Address Stamp 5 Price: ₹650.00 Qty: 1	₹650.00	<a href="#">Increase Quantity</a>
Your total is: ₹2070.00			
<a href="#">Continue Shopping</a>		<a href="#">Checkout</a>	

256 BIT CASH ON DELIVERY MasterCard Net Banking VISA RuPay

About Us Support Help

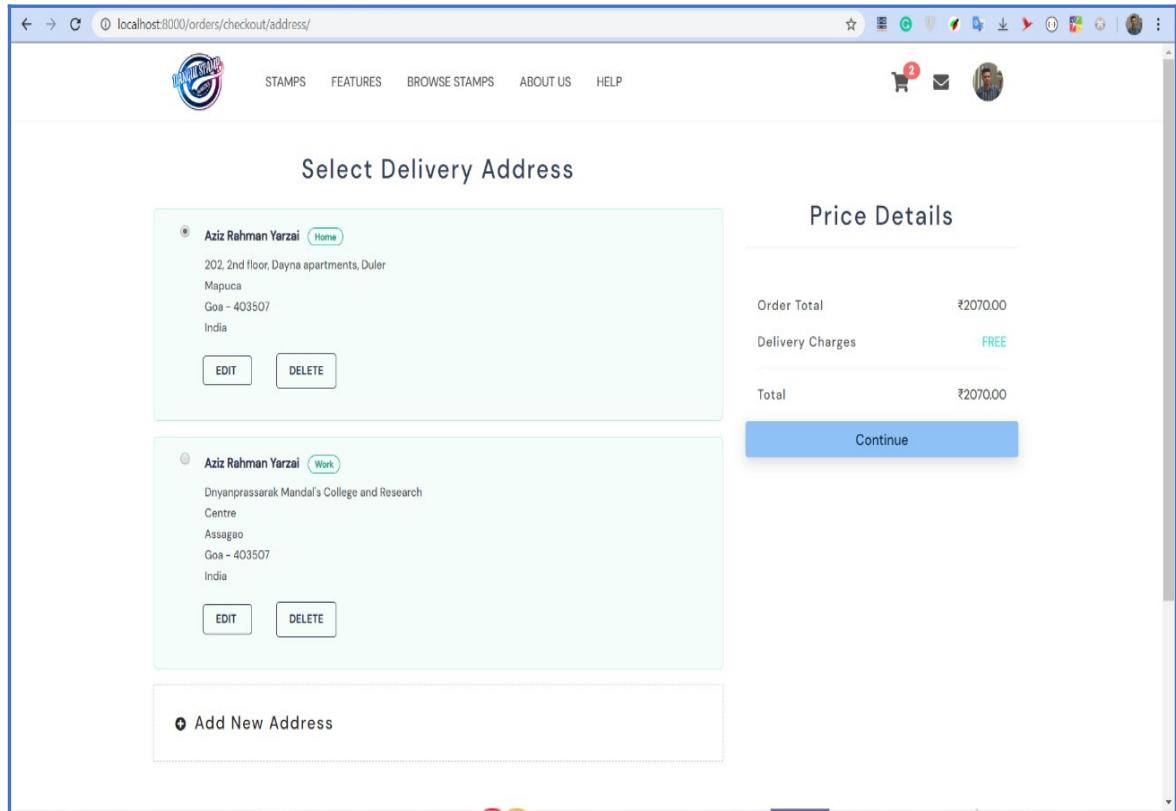
Copyright © 2020 Dangui Stamp Makers. All Rights Reserved.

localhost:8000/carts/add/9/

f g m Security Terms Privacy

## viii. Delivery page

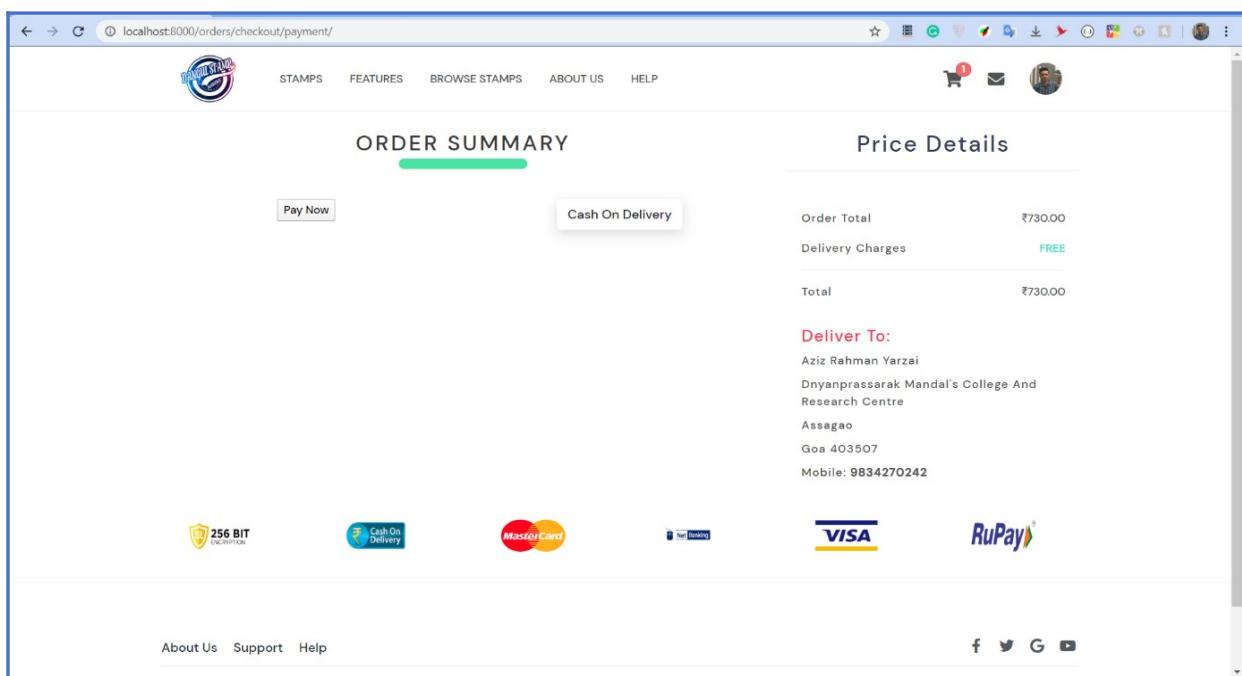
- After clicking on Checkout, following page will be displayed, where user can type its address for delivery.
- User can also put multiple addresses and select one among them for delivery.



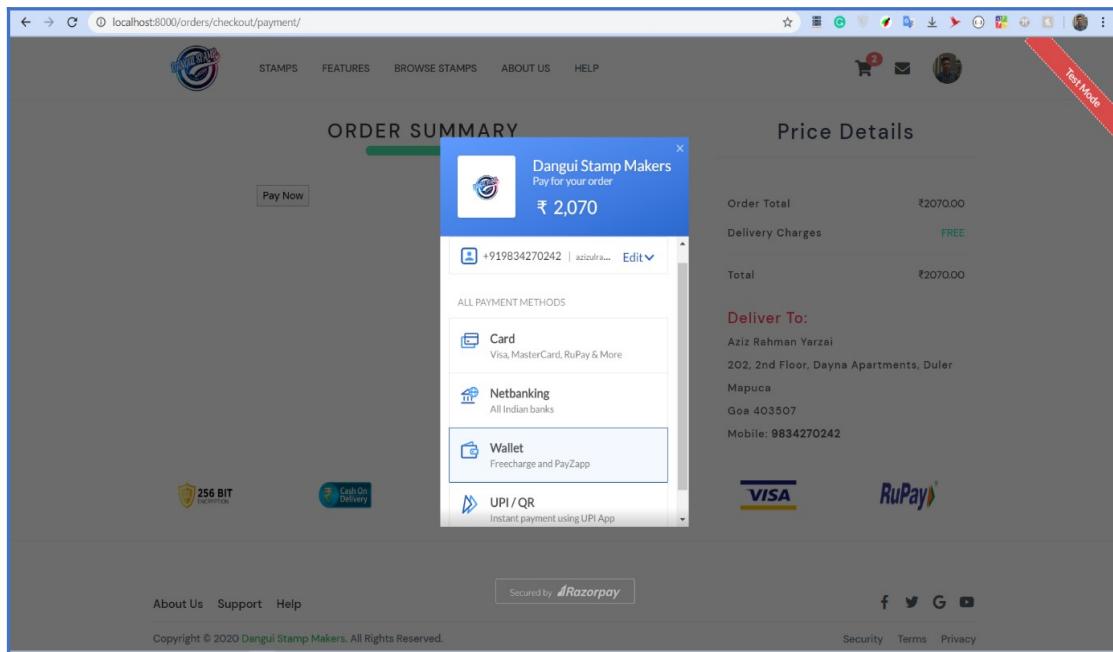


## ix. Payment page

- The user first will be displayed order summary page and then user can click on Pay now button.

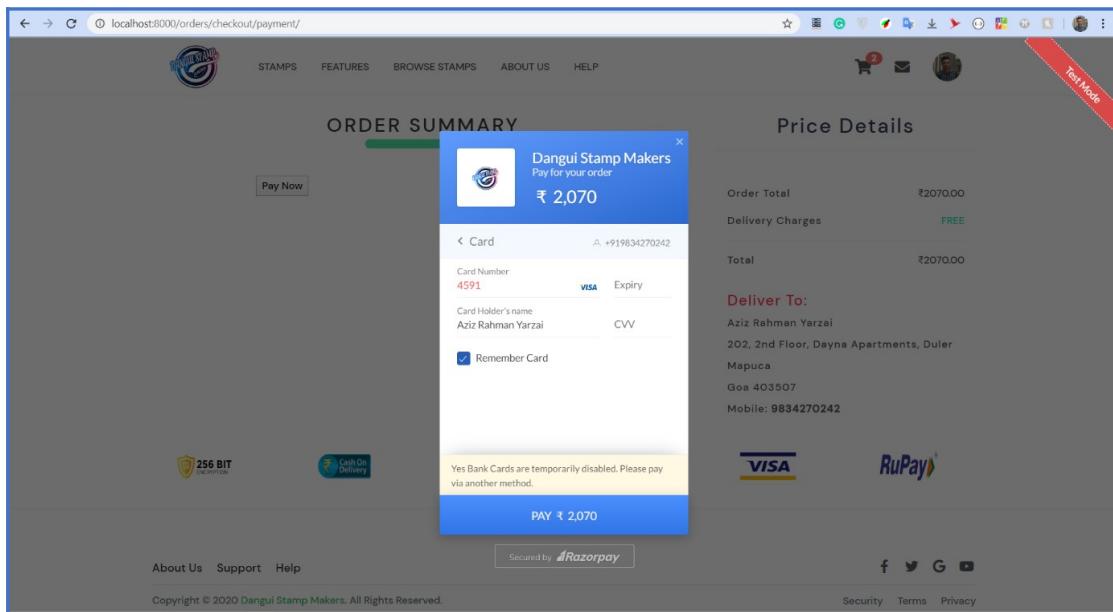


- After clicking on Pay now user will be displayed page which shows different modes of payment.



- User can choose any mode to make payment.

- Payment using card.



- Payment using Net banking.

The screenshot shows a payment gateway for Dangui Stamp Makers. At the top, there's a navigation bar with links for STAMPS, FEATURES, BROWSE STAMPS, ABOUT US, and HELP. A shopping cart icon with a '2' notification, an envelope icon, and a user profile icon are also present. A red diagonal banner in the top right corner says 'Test Mode'. The main area has a 'Test Mode' banner at the top right. On the left, there's an 'ORDER SUMMARY' section with a 'Pay Now' button. In the center, a modal window titled 'Dangui Stamp Makers Pay for your order ₹ 2,070' shows a 'Netbanking' tab selected. It lists several bank logos: SBI, HDFC, ICICI, Axis, Kotak, and IDBI. Below these is a dropdown menu labeled 'Select a different Bank'. At the bottom of the modal is a blue 'PAY ₹ 2,070' button. The footer contains links for About Us, Support, Help, and a 'Secured by Razorpay' logo. To the right, there's a 'Price Details' section showing Order Total ₹2070.00, Delivery Charges FREE, and a Total ₹2070.00. It also displays delivery information: Aziz Rahman Yarzai, 202, 2nd Floor, Dayna Apartments, Duler Mapuca, Goa 403507, Mobile: 9834270242. Logos for VISA and RuPay are shown. Social media links for Facebook, Twitter, Google+, and YouTube are at the bottom right.

- Payment using Wallet.

The screenshot shows a payment gateway interface for Dangui Stamp Makers. At the top, there's a navigation bar with links for STAMPS, FEATURES, BROWSE STAMPS, ABOUT US, and HELP. A red banner in the top right corner says "Test Mode". Below the navigation, there's an "ORDER SUMMARY" section with a logo for Dangui Stamp Makers, the text "Pay for your order", and a total amount of ₹ 2,070. A "Pay Now" button is visible. To the right, under "Price Details", it lists "Order Total" as ₹ 2070.00, "Delivery Charges" as FREE, and "Total" as ₹ 2070.00. Below this, the "Deliver To:" section provides the delivery address: Aziz Rahman Yarzai, 202, 2nd Floor, Dayna Apartments, Duler Mapuca, Goa 403507, and the mobile number 9834270242. At the bottom, there are logos for VISA and RuPay, social media links (Facebook, Twitter, Google+, YouTube), and links for About Us, Support, Help, Copyright © 2020 Dangui Stamp Makers, All Rights Reserved, Secured by Razorpay, Security, Terms, and Privacy.

- Payment using UPI.

localhost:8000/orders/checkout/payment/

**ORDER SUMMARY**

Dangui Stamp Makers  
Pay for your order  
₹ 2,070

UPI  
+919834270242

PAY USING UPI ID  
UPI ID  
Google Pay, BHIM, PhonePe & more  
Enter your UPI ID

PAY USING QR CODE  
Show QR Code  
Scan the QR code using your UPI app

UPI payments via Yes Bank accounts are temporarily disabled. Please pay via another method.

PAY ₹ 2,070

Secured by

**Price Details**

Order Total ₹ 2070.00  
Delivery Charges FREE  
Total ₹ 2070.00

**Deliver To:**  
Aziz Rahman Yarzei  
202, 2nd Floor, Dayna Apartments, Duler  
Mapusa  
Goa 403507  
Mobile: 9834270242

About Us Support Help

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Security Terms Privacy

- UPI QR code.

localhost:8000/orders/checkout/payment/

**ORDER SUMMARY**

Dangui Stamp Makers  
Pay for your order  
₹ 2,070

UPI QR  
+919834270242

Scan the QR using any UPI app on your phone like BHIM, PhonePe, Google Pay etc.

Secured by

**Price Details**

Order Total ₹ 2070.00  
Delivery Charges FREE  
Total ₹ 2070.00

**Deliver To:**  
Aziz Rahman Yarzei  
202, 2nd Floor, Dayna Apartments, Duler  
Mapusa  
Goa 403507  
Mobile: 9834270242

About Us Support Help

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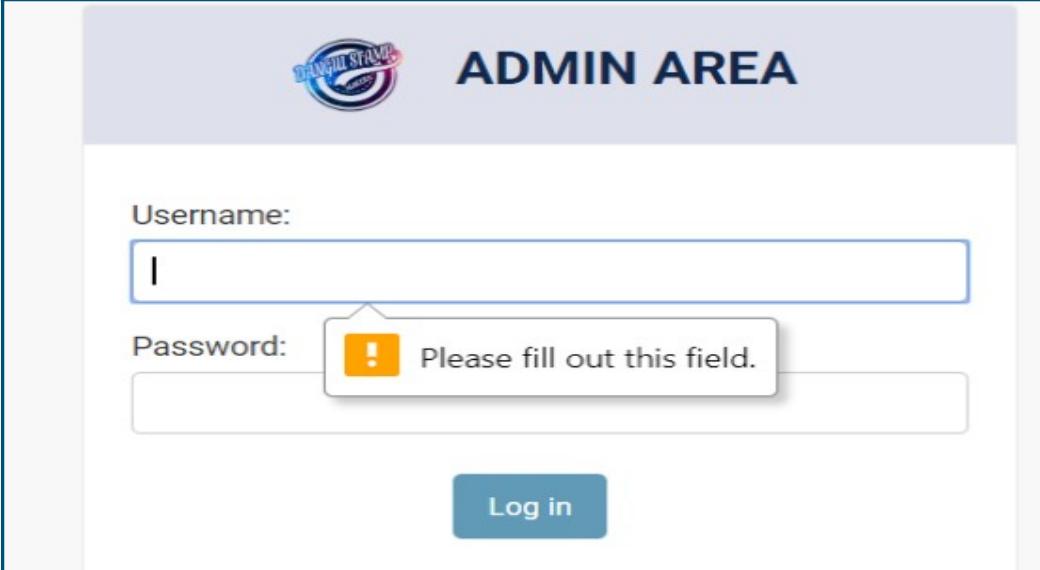
Security Terms Privacy

## 4.2 Validation test report

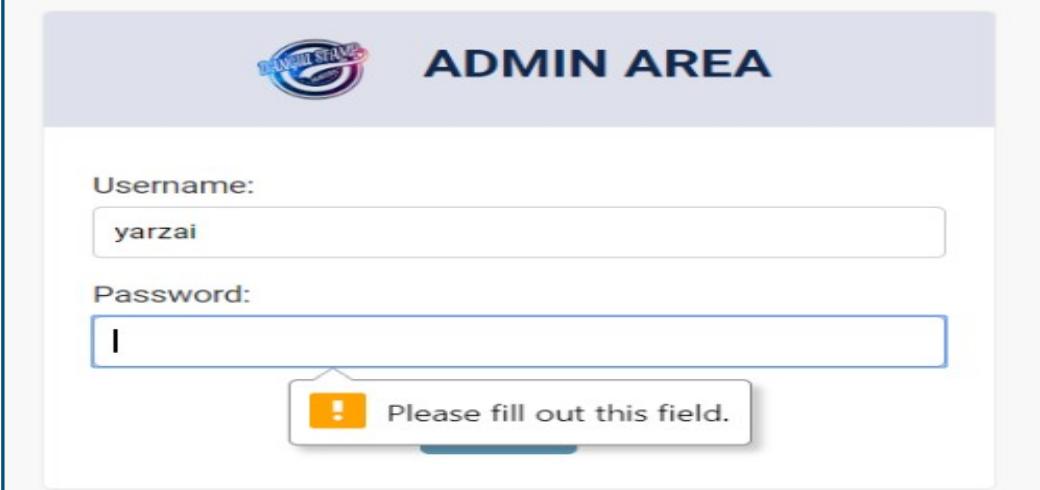
### I. Admin

#### i. Login

- Checks whether fields are left empty
- Checks for valid details



The screenshot shows the 'ADMIN AREA' login interface. At the top, there is a logo and the text 'ADMIN AREA'. Below that, there are two input fields: 'Username:' and 'Password'. The 'Username:' field contains a single character 'I'. The 'Password:' field is empty. A tooltip message 'Please fill out this field.' with an exclamation mark icon is displayed over the empty password field. A blue 'Log in' button is located at the bottom right.



The screenshot shows the 'ADMIN AREA' login interface. At the top, there is a logo and the text 'ADMIN AREA'. Below that, there are two input fields: 'Username:' and 'Password'. The 'Username:' field contains the text 'yarzai'. The 'Password:' field is empty. A tooltip message 'Please fill out this field.' with an exclamation mark icon is displayed over the empty password field. A blue 'Log in' button is located at the bottom right.

## ii. Changing Password

- Checks whether the new password satisfies all the criteria

Password change

Please correct the error below.

Please enter your old password, for security's sake, and then enter your new password twice so we can verify you typed it in correctly.

Old password:

New password:

Your password can't be too similar to your other personal information.  
Your password must contain at least 8 characters.  
Your password can't be a commonly used password.  
Your password can't be entirely numeric.

This password is too short. It must contain at least 8 characters.  
This password is too common.  
This password is entirely numeric.

New password confirmation:

### iii. Validation for changes in User Address and Cart

 **ADMIN AREA** WELCOME

Home › Authentication and Authorization › Users › Add user

Add user

First, enter a username and password. Then, you'll be able to edit more user options.

**Please correct the errors below.**

**Username:** This field is required. Required: 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

**Password:** This field is required. Your password can't be too similar to your other personal information. Your password must contain at least 8 characters. Your password can't be a commonly used password. Your password can't be entirely numeric.

**Password confirmation:** This field is required. Enter the same password as before, for verification.

**PROFILES**

Add Address

**Please correct the errors below.**

**Address type:** This field is required. ----- ▾

**Address:** This field is required.

**Country:** This field is required. Select Country ▾

**State:** This field is required. Select State ▾

**City:** This field is required. Select City ▾

**Zip code:** This field is required.

**User:** This field is required. ----- ▾  

 **ADMIN AREA**

WELCOME, **AZIZ RAHMAN**. [VIEW SITE / CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Carts > Cart items > Add cart item

Add cart item

Please correct the errors below.

Product:  \* ✓ ✚

This field is required.

Cart:  \* ✓ ✚

This field is required.

Quantity:

  Save and add another Save and continue editing SAVE

---

#### iv. Validations for making changes to category type and product

- Admin has to enter stamp type, select category and upload image of the type, failing which admin cannot proceed.

Add category

Please correct the errors below.

Name: This field is required.

Description:

Image: This field is required.  Choose File No file chosen

Discount:  0

### Add product

Please correct the errors below.

Name: This field is required.

Group: This field is required.

Description:

Height:

Width:

Diameter:

Image: This field is required.  Choose File | No file chosen

Available

Price: This field is required.

Home > Stamps > Types > Add Type

### Add Type

Please correct the errors below.

Name: This field is required.

Category: This field is required.

Description:

Image: This field is required.  Choose File | No file chosen

## II. Customer

### i. Registration

- Checks if any field is empty.
- Check for valid name, valid email address.
- Checks if password is put of above a certain length and also checks if it matches with the confirm password.

The image shows a registration form interface. At the top right is a placeholder for a user profile picture with the word "WELCOME" below it. Below that are two social login buttons: "Google" and "Facebook". The form has several input fields:

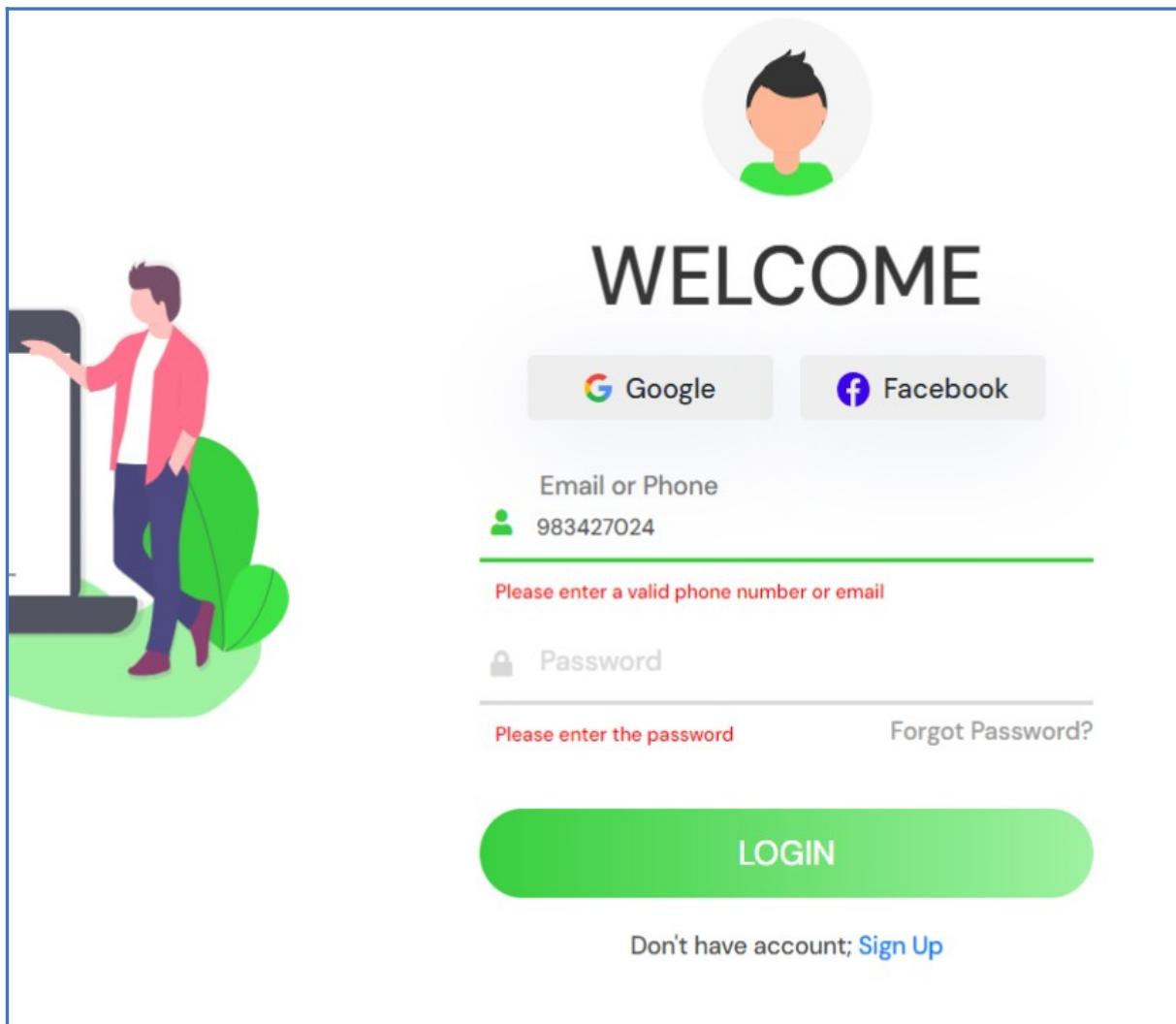
- "First Name": Input field containing "aziz32". Error message: "Letters only please".
- "Last Name": Input field. Error message: "Please enter your last name".
- "Email": Input field containing "aziz@gmail.c". Error message: "Please enter a valid email address".
- "Password": Input field. Error message: "Your password must be at least 6 character long".
- "Confirm Password": Input field. Error message: "Please enter the same value again".

A large green "REGISTER" button is at the bottom. Below it, a link says "Already have account; [Sign In](#)". On the left side of the form, there is a decorative illustration of a person standing next to a large smartphone displaying a bar chart.

---

## ii. Login

- Checks if any fields are empty.
- Checks if valid details are entered.



### iii. Profile page

- Checks whether fields are left empty.
- Checks if valid details are entered.

The screenshot shows a modal window titled "Personal Details". It contains four input fields: "First Name" (with value "Aziz Rahman 3"), "Last Name" (empty), "Date of Birth" (empty), and "Gender" (with value "Male"). Below each field is a red error message: "Letters only please" under "First Name", "Please enter your last name" under "Last Name", and "Please select your date of birth" under "Date of Birth". A green "Save Changes" button is at the bottom.

Field	Value	Error Message
First Name	Aziz Rahman 3	Letters only please
Last Name		Please enter your last name
Date of Birth		Please select your date of birth
Gender	Male	

- Validation for Address.

### Address Details

Address Type

Home

### Address

Address (Area and Street)

Address

Please enter your address

Country State

Select Country Select State

Please select your country Please select your state

City Zip Code

Select City 403dffd

Please select your city Integers only please

**Save Changes**

- Valid Email Address.

The screenshot shows a modal window titled "Email Addresses". At the top right is a close button (X). Below the title is a label "Email ID" followed by an input field containing "azizulrahman.yarzai@gmai". Underneath the input field is a red error message: "Please enter a valid email address". At the bottom of the modal is a large blue "Save Changes" button.

- Valid Phone number.

The screenshot shows a modal window titled "Phone". At the top right is a close button (X). Below the title is a label "Phone" followed by an input field containing "9834270". Underneath the input field is a red error message: "Please enter a Valid Phone Number". At the bottom of the modal is a large blue "Save Changes" button.

- Validation for changing password.

## Change Password

Confirm Current Password

\*\*\*

New Password

\*\*\*

Your password must be at least 6 character long

Confirm New Password

Enter Confirm New Password

The password is too similar to the username.

**Change Password**

## iv. Payment

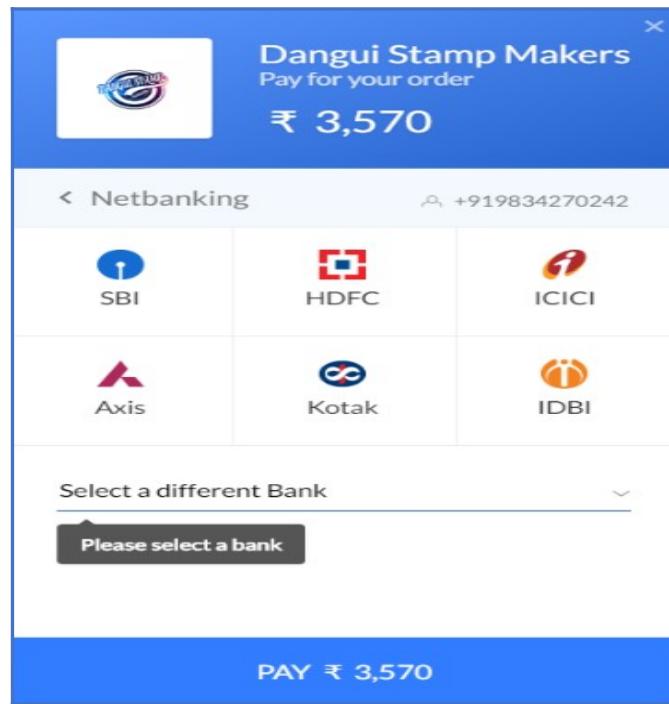
- Checks whether fields are left empty.
- Checks for valid details

➤ For card

The image displays two screenshots of a mobile payment application interface for "Dangui Stamp Makers". Both screenshots show a payment summary at the top: "Dangui Stamp Makers" logo, "Pay for your order", and a total amount of "₹ 3,570".

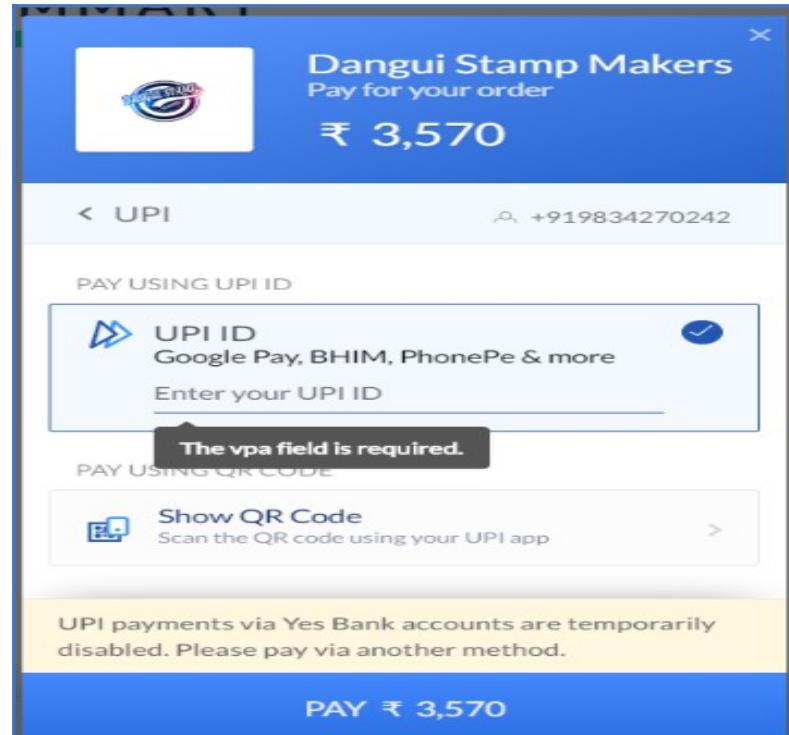
**Screenshot 1:** This screenshot shows the initial card input screen. It includes fields for "Card Number" (4591 1500 0235 0023), "Expiry" (05 / 20), "Card Holder's name" (empty), and "CVV" (empty). A message at the bottom of the input area says "Please enter name on your card".

**Screenshot 2:** This screenshot shows the same card input screen after some data has been entered. The "Card Holder's name" field now contains "Aziz". A "Remember C" checkbox is checked, and a note below it says "It's a 3 digit code printed on the back of your card." At the bottom of the screen, there is a yellow banner stating "Yes Bank Cards are temporarily disabled. Please pay via another method." Below this banner is a blue button labeled "PAY ₹ 3,570".



➤ For Net banking

➤ For UPI



## 4.3 Gantt Chart

DSM	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Project Research									
Project Planning									
Feature definition									
Design Implementation									
Development									
Project Testing									
Documentation									

---

## 5.1 Future Enhancement

- Delivery location selection using maps.
- Realtime order tracking like – Flipkart.

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## References

- <https://www.thestampmaker.com/>
- <https://www.djangoproject.com>
- [Udemy.com](https://Udemy.com)
- [w3schools.com](https://w3schools.com)