

Department of Computer Science

University of Gujrat

PicknStitch (Online Tailoring Services)



Section: BSCS-B

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1.1. Introduction

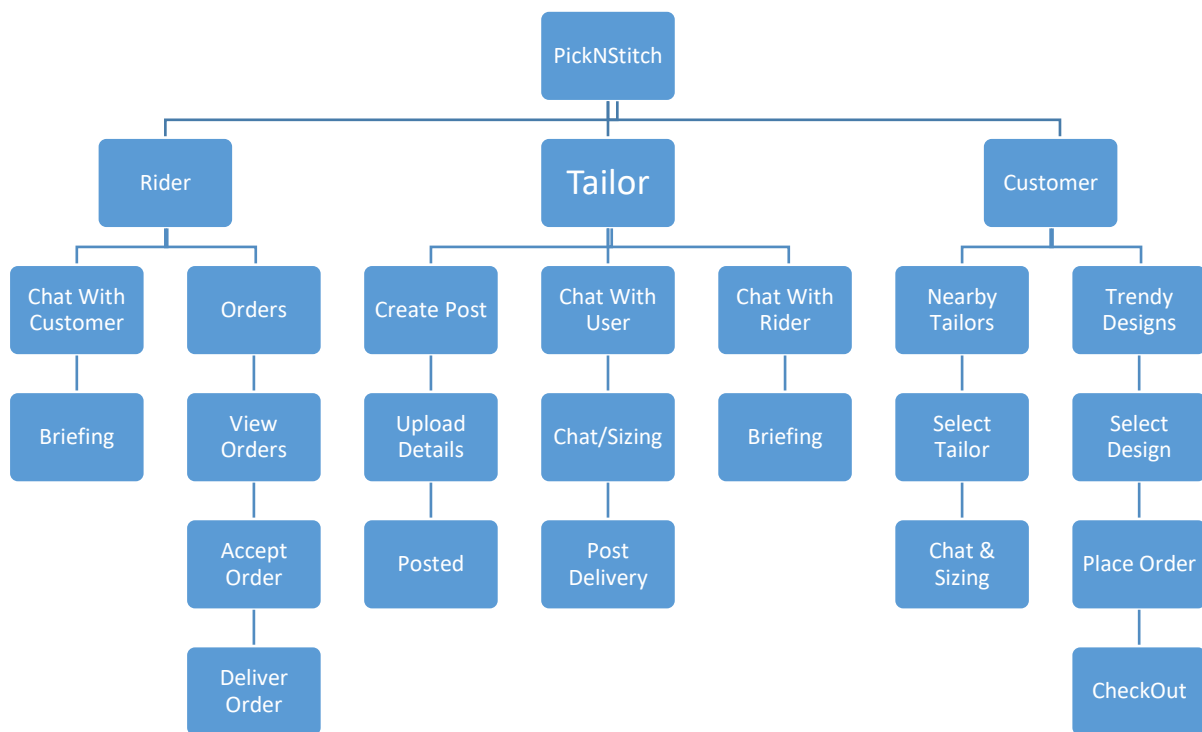
There are some problems in searching Tailors and Stitching New Clothes. Like People new in City don't know the nearby Tailors and also some busy ones don't have much time to approach a tailor physically. So in PickNStitch I am going to develop a user friendly web platform that connects skilled online tailors with the customers through the rider at their doorsteps. Firstly, a customer after login, who wants to stitch his clothes will select a tailor from Nearby Tailors page which shows the integrated map and registered Tailors near your location on it. Then he will do chat with a specific tailor, after the chat & sizing the Tailor will post the delivery and a rider accept the delivery order and will do the delivery of clothes from customer to Tailor. After the complete stitching the Tailor again post a delivery request and a rider after accepting delivery request will deliver clothes from tailor to the user and payment will be Cash on Delivery. Tailors are also can post there new variety of clothes as a post and if some user want to buy this than he also able to place order and some rider after accepting will do delivery to him.

1.2. All Users & Requirements

Para #	Initial Requirements	Use Case Name
1.0	The System "Shall" Implement distinct Registration for customers, tailors, and riders to access their respective accounts.	UC_Registration
1.0	The System "Shall" Implement distinct logins for customers, tailors, and riders to access their respective accounts.	UC_Login
2.0	The System "Shall" Enable customers to choose tailors from nearby locations through an integrated map which shows different tailors around the city on the website.	UC_Nearby_Tailors
3.0	The System "Shall" Allow customers and tailors to engage in a chat for discussions, sizing, and order specifications. Customer can do a detail Discussion.	UC_Chat Module
4.0	The System "Shall" enable Tailors to post request for the delivery of clothes from Customer to tailor & Tailor to Customer.	UC_Post_Delivery
5.0	The System "Shall" enable Riders to see the posted orders for the deliveries.	UC_Orders
6.0	The System "Shall" enable Tailors to post their new variety of clothes as a clothing post or trendy design.	UC_Create_Post
7.0	The System "Shall" allow customers to explore the trendy design section.	UC_Trendy_Designs

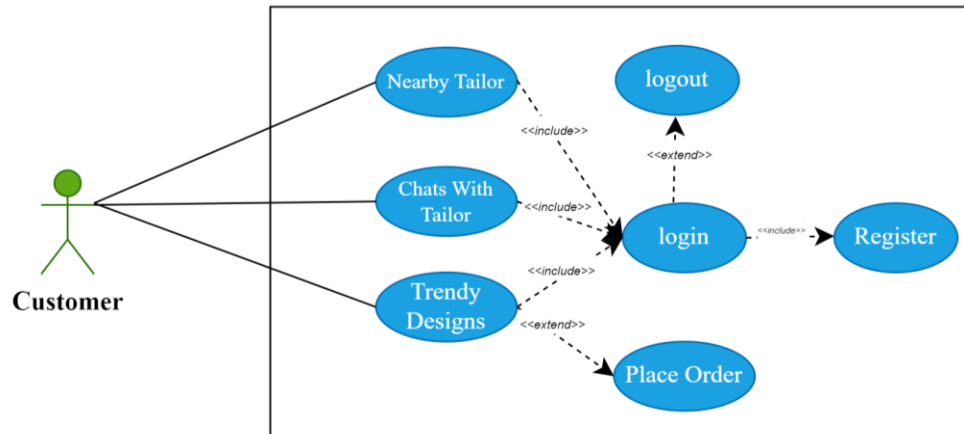
8.0	The System “Shall” allow customers to place order for a specific trendy design of their choice.	UC_Place_Order
9.0	The System “Shall” allows rider to View and accept the delivery of the customer’s and tailors who post.	UC_Accept_Order

1.3. Organization Chart

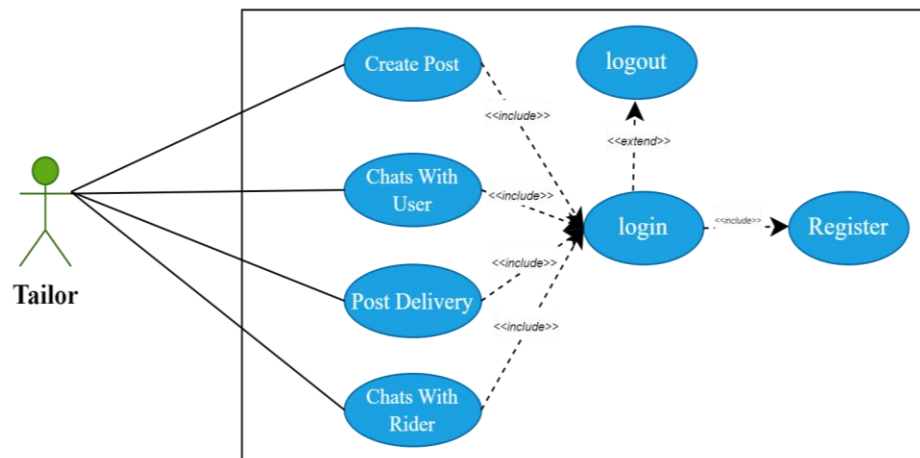


1.4. Use Case Individual

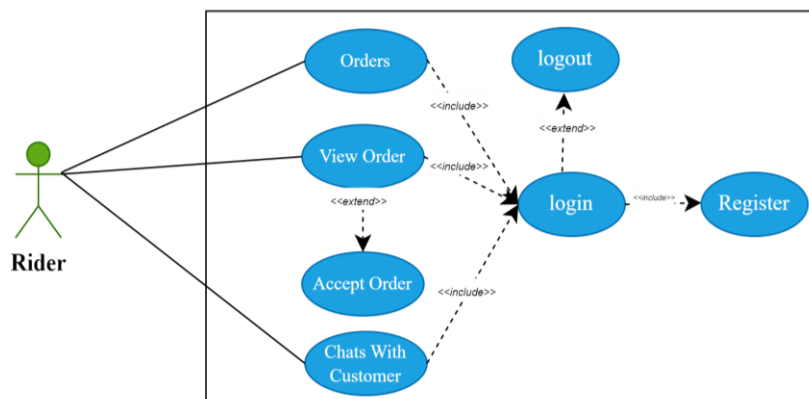
Individual Use case Diagram of Customer:



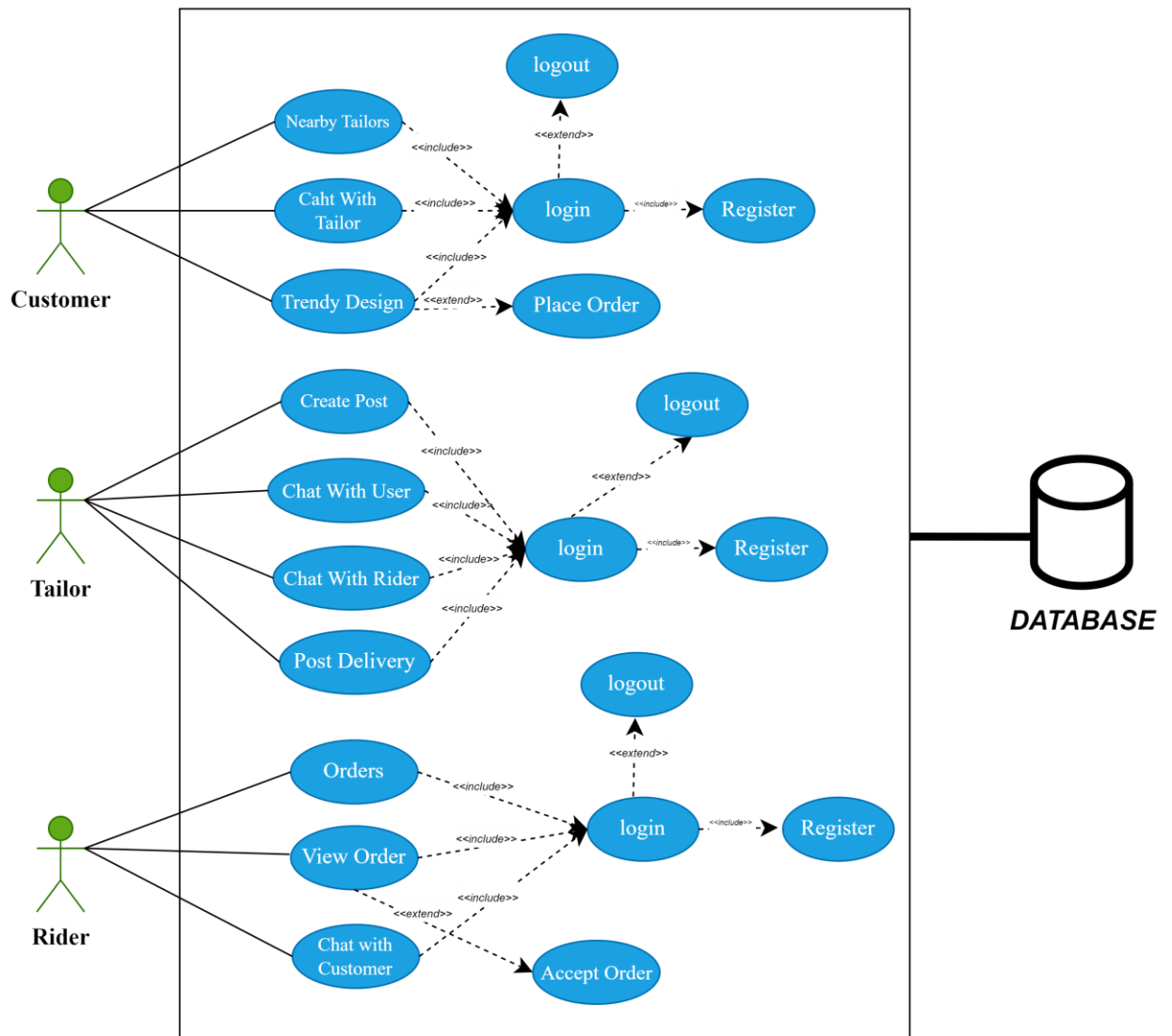
2.4.1. Individual Use case Diagram of Tailor:



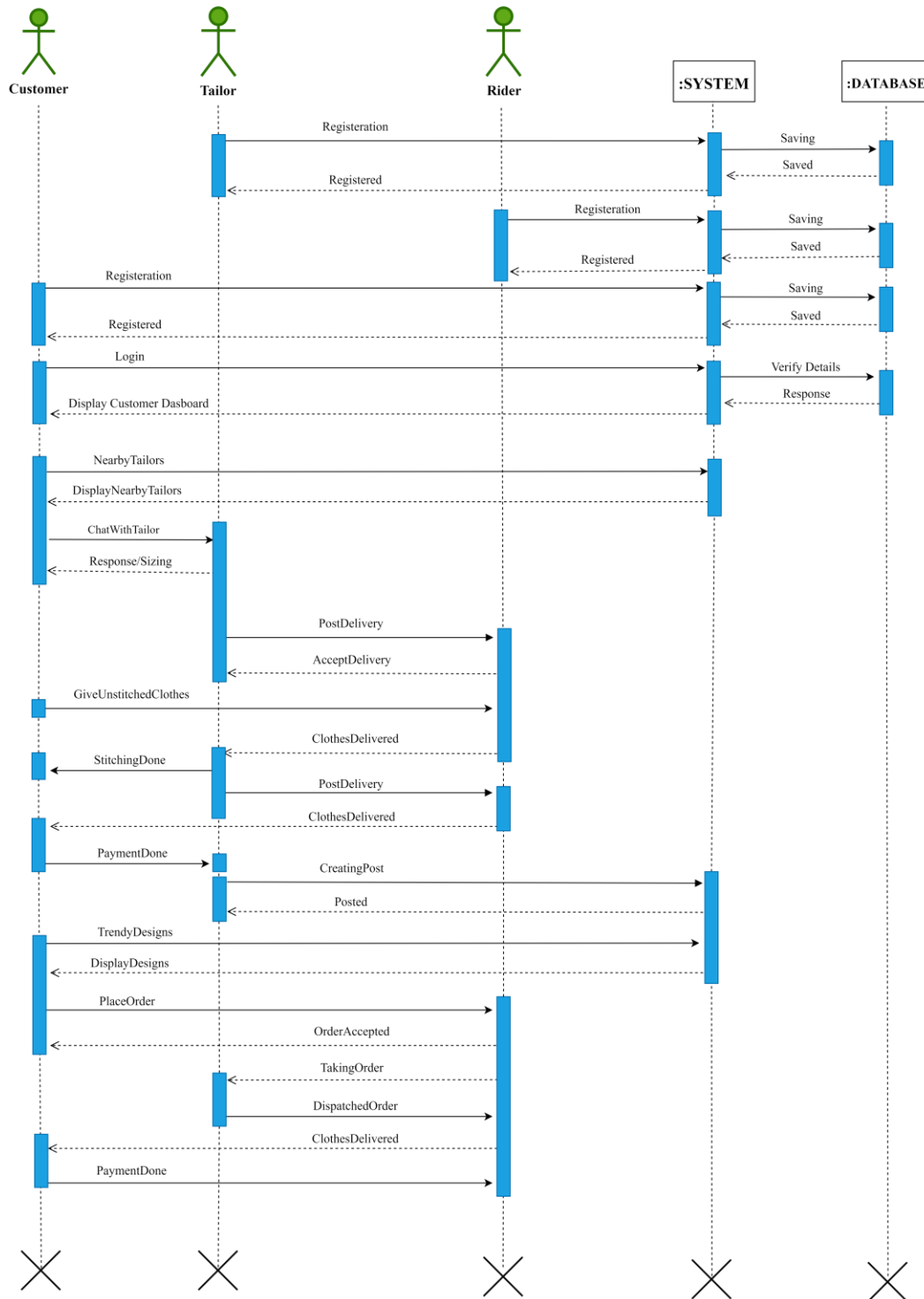
2.4.2. Individual Use case Diagram of Rider:



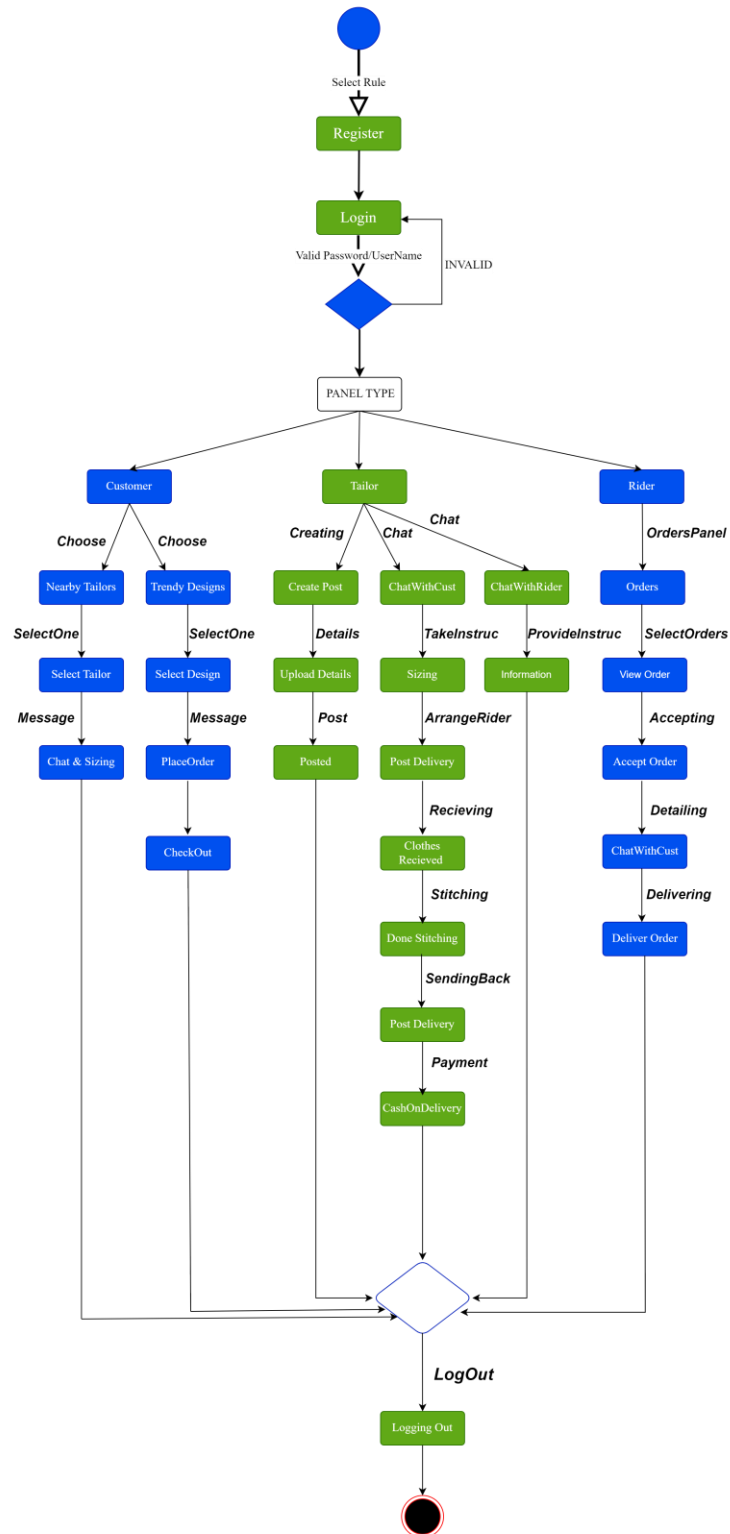
1.5. Use Case Analysis Level



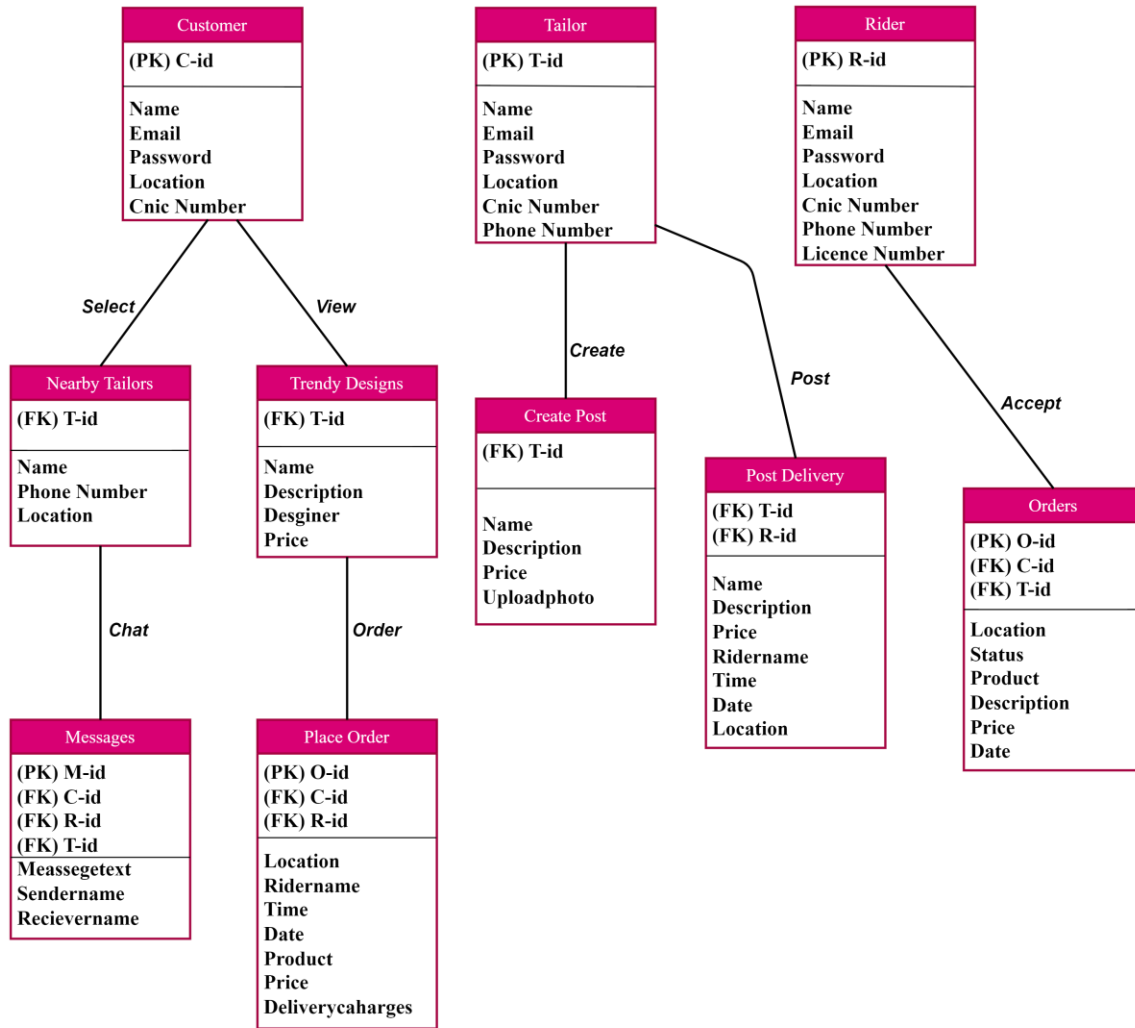
1.6. Sequence Diagram



1.7. State Chart Diagram



1.8. ERD



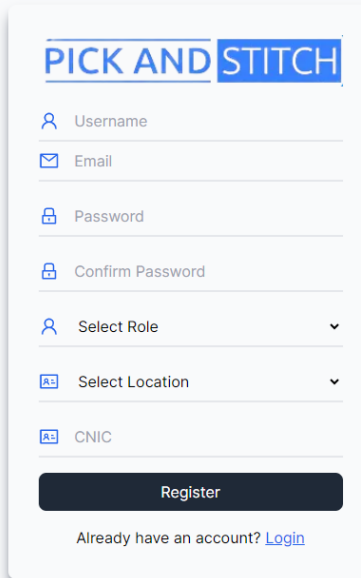
1.9. Frontend Design / User Manual

1.Customer User Manual

Registration and Login:

Go to the PickNStitch website.

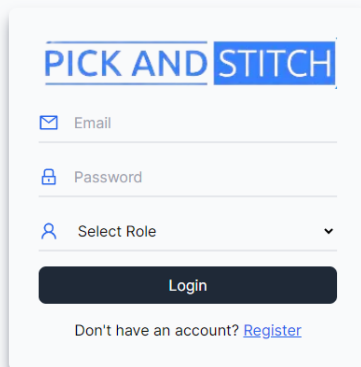
Click on "Register" and fill in your personal details.



The registration form for Pick AND STITCH includes the following fields and elements:

- PICK AND STITCH** logo at the top.
- Username** field with a person icon.
- Email** field with an envelope icon.
- Password** field with a lock icon.
- Confirm Password** field with a lock icon.
- Select Role** dropdown menu with a person icon.
- Select Location** dropdown menu with a location pin icon.
- CNIC** field with an ID card icon.
- Register** button.
- Link: [Already have an account? Login](#)

After registering, log in with your email and password.

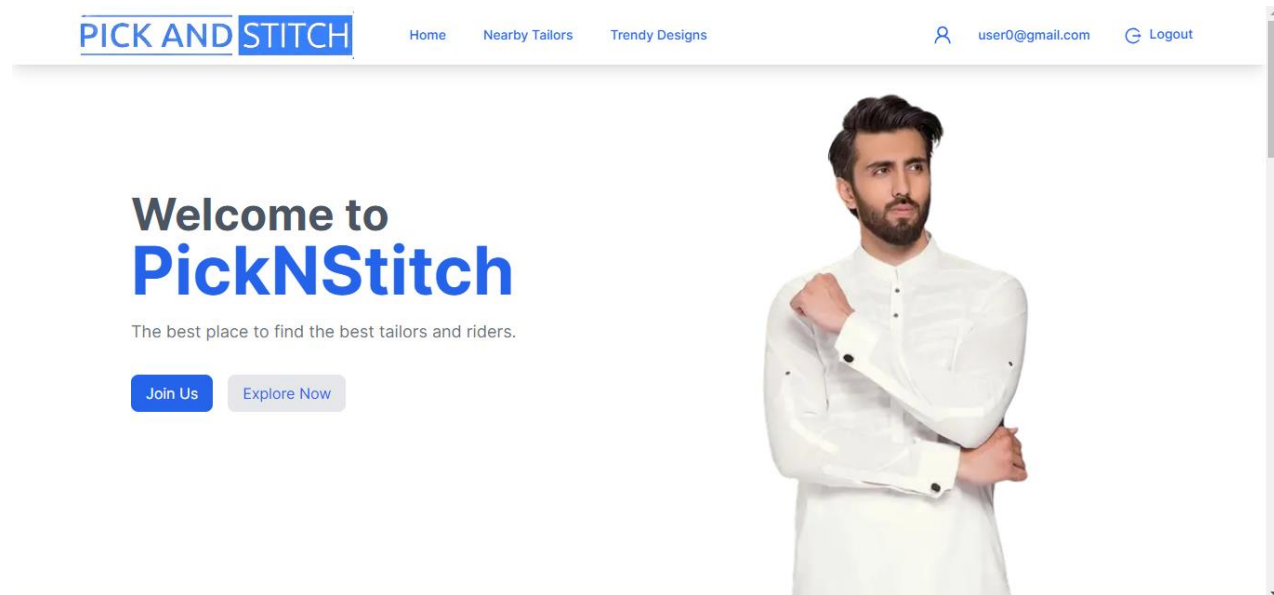


The login form for Pick AND STITCH includes the following fields and elements:

- PICK AND STITCH** logo at the top.
- Email** field with an envelope icon.
- Password** field with a lock icon.
- Select Role** dropdown menu with a person icon.
- Login** button.
- Link: [Don't have an account? Register](#)

Home Page Overview:

After logging in, you will see two main buttons on the navigation bar: "Nearby Tailors" and "Trendy Designs".

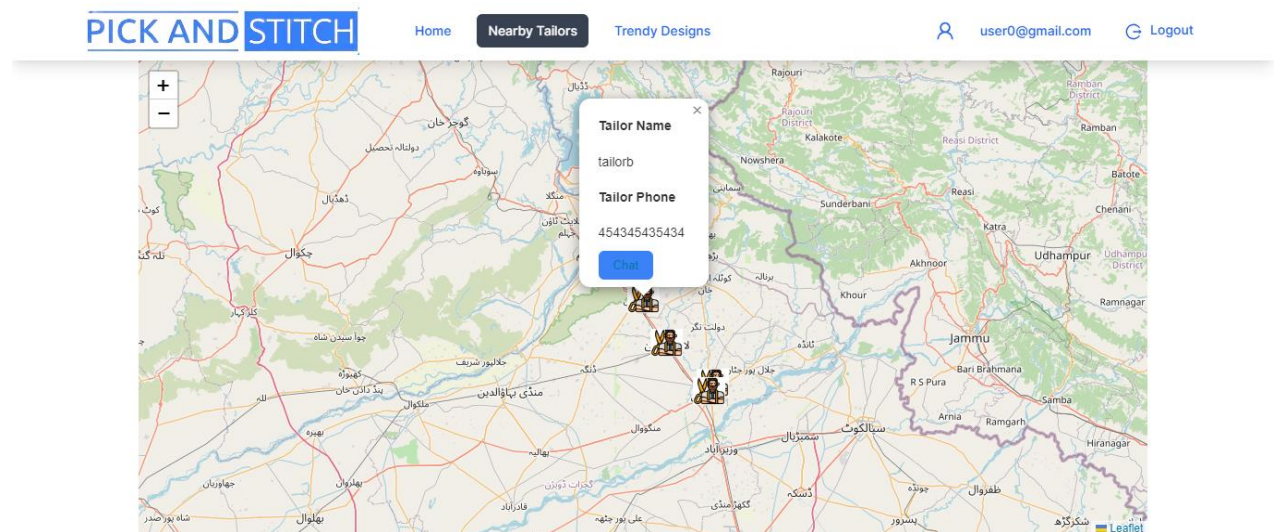


Using Nearby Tailors:

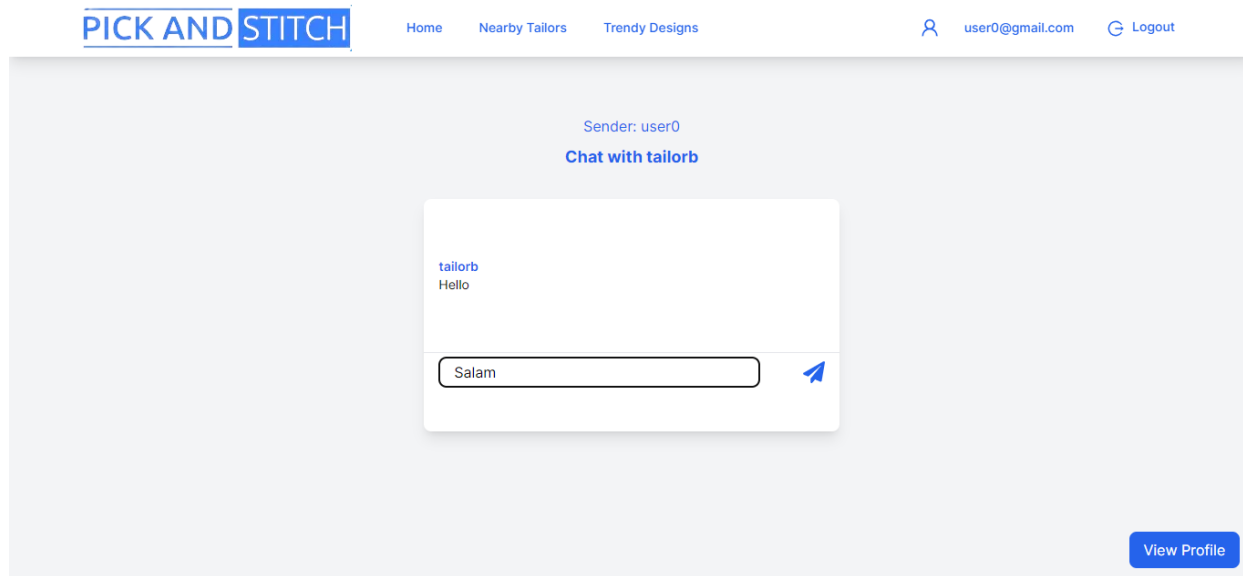
Click on "Nearby Tailors".

A map will display showing registered tailors as icons.

Click on a tailor icon to see their name, phone number, and a chat button.



Click "Chat" to start a conversation about clothing sizes or other requirements.

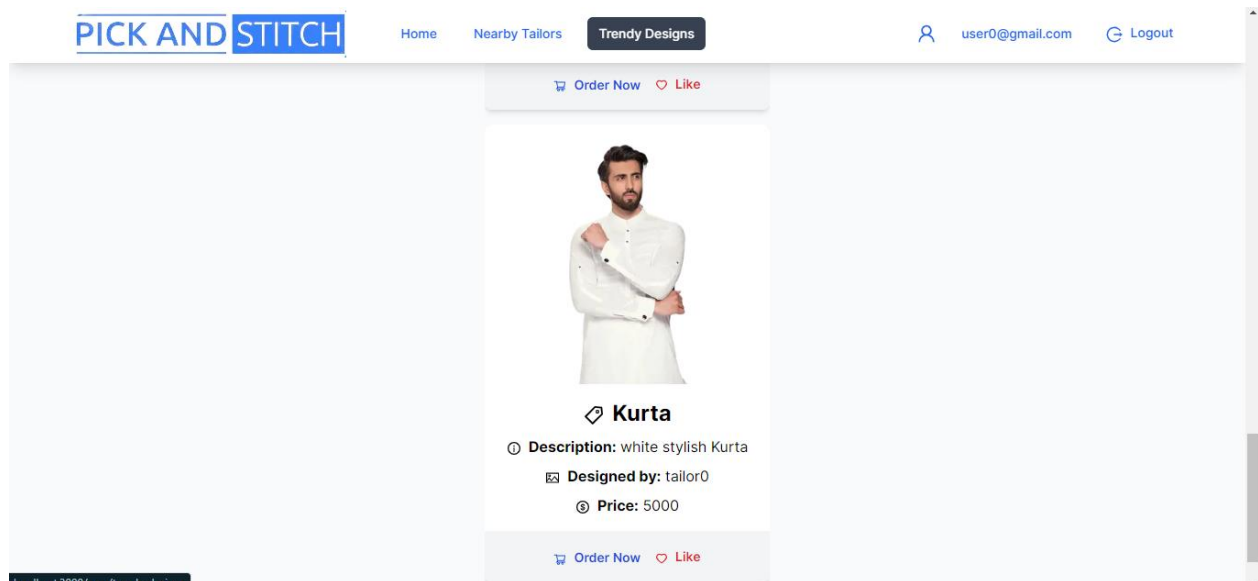


Browsing Trendy Designs:

Click on "Trendy Designs".

Scroll through posts of different clothes, each showing the cloth name, tailor name, and price.

Click "Order Now" on a post you like.



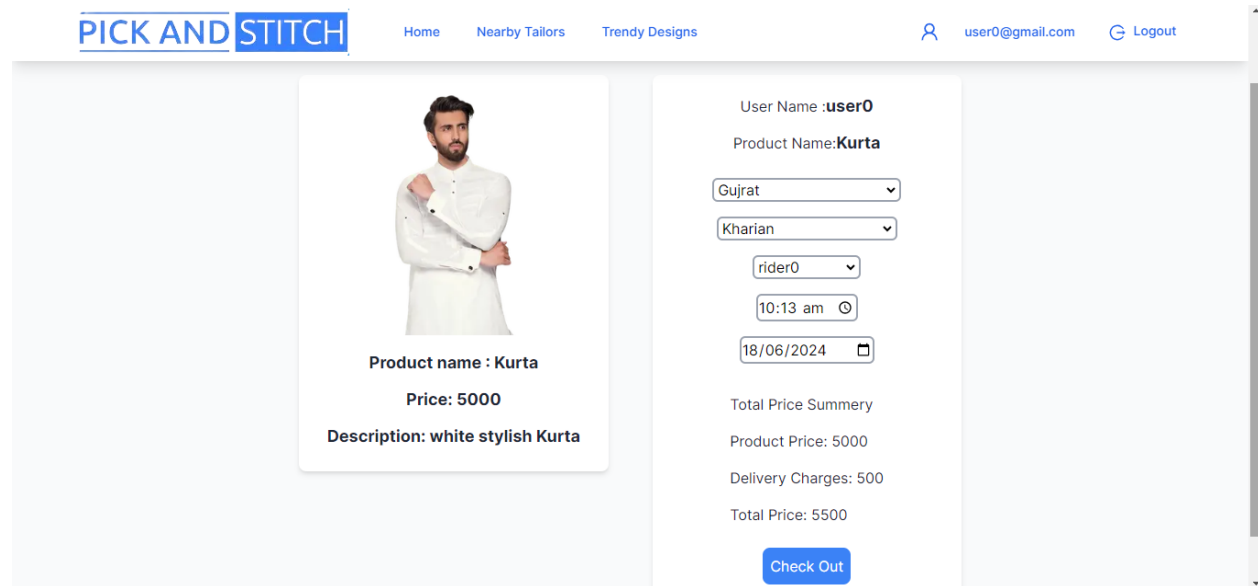
Placing an Order:

After clicking "Order Now", you will be taken to an order page.

Fill in your delivery location details.

Select a specific rider for delivery.

Confirm your order.



PICK AND STITCH

Home Nearby Tailors Trendy Designs

user0@gmail.com Logout

User Name :user0

Product Name:Kurta

Gujrat

Kharian

rider0

10:13 am

18/06/2024

Total Price Summery

Product Price: 5000

Delivery Charges: 500

Total Price: 5500

Check Out

Product name : Kurta

Price: 5000

Description: white stylish Kurta

Logout:

Click on the "Logout" button on the navigation bar to exit your account.

2. Tailor User Manual

Registration and Login:

Go to the PickNStitch website.

Click on "Register" and choose the "Tailor" option.

Fill in your business details and register.

Log in with your credentials.

Home Page Overview:

After logging in, you will see three main buttons on the navigation bar: "Create Post", "Chat with Customer", and "Post Delivery".

Creating a Post:

Click on "Create Post".

Fill in the details of the clothing item and upload a photo.

Click "Post" to publish it on the "Trendy Designs" page for customers.

The screenshot shows the 'Create Trendy Post' form in the 'PICK AND STITCH' application. The header includes the logo and navigation links: 'Create Post', 'Chat with User', 'Chat with Rider', a user profile icon, 'tailor0@gmail.com', and 'Logout'. The form itself is titled 'Create Trendy Post' and shows the 'Tailor Name' as 'tailor0'. It contains several input fields: a text field for 'Kurta', a larger text area for 'White stylish Kurta', a text field for '5000', and a file upload section with a 'Choose File' button and the filename 'hero.png'. A blue 'Submit' button is at the bottom of the form.

Chatting with Customers:

Click on "Chat with User".

View messages from customers and respond to their inquiries about your services.

Discuss and finalize clothing designs and measurements.

The screenshot shows the 'Messages for tailor0' chat interface. The header is identical to the previous screenshot, but the 'Chat with User' button is highlighted. The chat area displays two messages from 'user0': 'yooo' and 'ewfnifje'. Each message has a blue 'Reply' button to its right.

2.5 Managing Deliveries:

Click on "Post Delivery".

Enter the details of the delivery, including current location, destination, product name, description, and time.

This will post a delivery request to riders.

Once the clothing is ready, post another delivery request for the finished product to be delivered to the customer.

PICK AND STITCH

Create PostChat with UserChat with Rider

tailor0@gmail.comLogout

Post Delivery Details

Kurta

Kurta for delivery.

120

rider0 - Kunjah

09:17 am

21/06/2024

Jalalpur

ShahBola

Post Delivery

Chatting with Riders:

Click on "Chat with Rider".

Coordinate with riders regarding pick-ups and deliveries.

PICK AND STITCH

Create PostChat with UserChat with Rider

tailor0@gmail.comLogout

rider0 - Kunjah

Chat with rider0 - Kunjah

salam

localhost:3000/tailor/chat-with-rider

2.7 Logout:

Click on the "Logout" button on the navigation bar to exit your account.

3. Rider User Manual

Registration and Login:

Go to the PickNStitch website.

Click on "Register" and choose the "Rider" option.

Fill in your personal and vehicle details.

Log in with your credentials.

Home Page Overview:

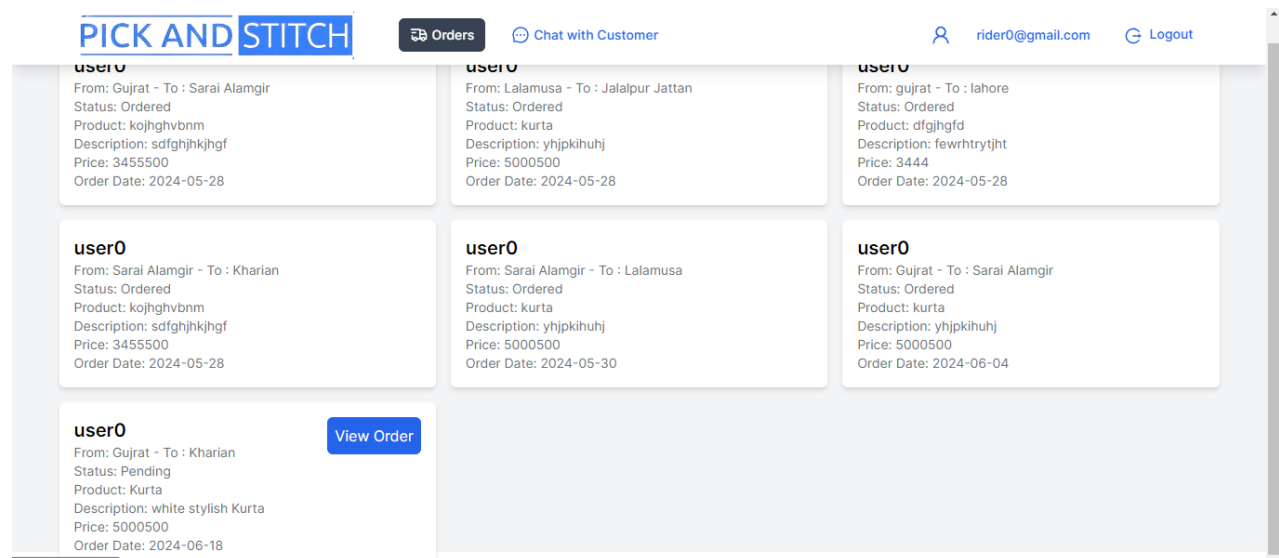
After logging in, you will see two main buttons on the navigation bar:

"Orders" and "Chat with Customer".

Viewing and Accepting Orders:

Click on "Available Orders".

View a list of delivery requests showing current and destination locations and the person who posted the order.



Select an order to view more details and click "Accept" to take up the delivery task.

PICK AND STITCH

OrdersChat with Customer

rider0@gmail.comLogout

Order Details

Back

Customer Name user0	Order ID 6671bff6fa1f1426612be1e5	Order Date 2024-06-18	Status Pending
Start Location Gujrat			End Destination Kharian
Product Name Kurta			Product Price 5000500
Product Description white stylish Kurta			

Accept Order

Performing Deliveries:

Follow the provided route to pick up the item from the customer's location.

Deliver the item to the tailor or from the tailor to the customer as per the order instructions.

Chatting with Customers:

Click on "Chat with Customer".

Communicate with customers to confirm pick-up and delivery details.

Update customers on delivery status.

PICK AND STITCH

OrdersChat with Customer

rider0@gmail.comLogout

Rider Name: rider0
user0

rider0
hjvvhvb

rider0
juhjkbbj

Type your message...

Logout:

Click on the "Logout" button on the navigation bar to exit your account.

1.9. Tools and Technology with reasoning

Tools:

Visual Studio Code, Postman, MongoDB Compass, Draw.io, Photoshop.

Frontend Framework/Language/Libraries:

React.js

Socket.io-client

Backend Framework/Language/Libraries:

Node.js

Express.js

Socket.io

Google Map Integration

Database:

Mongo DB