Initial Project Plan

1. Plan Your Website:

Before diving into coding, take some time to plan your website. Define what features you want to include, such as user authentication, product listings, search functionality, shopping cart, and checkout process.

1. Storyboard:

Create a basic layout of the website

1. Figma:

Designing a more detailed and organized visual representation of the project using figma

1. Choose Your Tech Stack:

Could use HTML for the frontend and Python for backend framework .

1. **Design your Database:**

Decide on the structure of your database. You can use MySQL. Define the tables you'll need, such as customers, products, orders, etc.

1. Create User Authentication:

Implement user authentication to allow users to sign up, log in, and manage their accounts. You can use libraries like Passport.js (Node.js) or Flask-Login (Flask) to handle authentication.

1. Build Product Listings:

Create a page where users can view a list of products available on your marketplace. Display important details such as product name, description, price, and images. You can use HTML templates to structure the layout and CSS for styling.

1. Implement Shopping Cart:

Allow users to add products to their shopping cart and update quantities. You can use sessions or cookies to store the cart data temporarily.

1. Develop Checkout Process:

Create a checkout page where users can review their orders, enter shipping/payment information, and complete the purchase. You may need to integrate with payment gateways like Stripe or PayPal for processing payments.

1. Test Your Website:

Test your website thoroughly to identify and fix any bugs or issues.

----------------------------------------------------------------------------------------------------------

Python Code From ChatGPT:

from flask import Flask, render\_template, request, redirect, url\_for, session

from werkzeug.security import generate\_password\_hash, check\_password\_hash

app = Flask(\_\_name\_\_)

app.secret\_key = 'your\_secret\_key'

# Sample data (replace this with your database)

users = [{'username': 'user1', 'password': generate\_password\_hash('password1')},

{'username': 'user2', 'password': generate\_password\_hash('password2')}]

products = [{'id': 1, 'name': 'Product 1', 'price': 10.00},

{'id': 2, 'name': 'Product 2', 'price': 20.00},

{'id': 3, 'name': 'Product 3', 'price': 30.00}]

@app.route('/')

def index():

return render\_template('index.html', products=products)

@app.route('/login', methods=['GET', 'POST'])

def login():

if request.method == 'POST':

username = request.form['username']

password = request.form['password']

user = next((user for user in users if user['username'] == username), None)

if user and check\_password\_hash(user['password'], password):

session['username'] = username

return redirect(url\_for('index'))

return render\_template('login.html')

@app.route('/logout')

def logout():

session.pop('username', None)

return redirect(url\_for('index'))

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

A computer screen shot of a computer code

Description automatically generated

A computer screen shot of a program

Description automatically generated

Project Code using HTML:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Online Marketplace</title>

</head>

<body>

<h1>Welcome to the Online Marketplace</h1>

<ul>

{% for product in products %}

<li>{{ product.name }} - ${{ product.price }}</li>

{% endfor %}

</ul>

<a href="/login">Login</a>

</body>

</html>

A screenshot of a computer program

Description automatically generated

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Login</title>

</head>

<body>

<h2>Login</h2>

<form action="/login" method="post">

<div>

<label for="username">Username:</label>

<input type="text" id="username" name="username" required>

</div>

<div>

<label for="password">Password:</label>

<input type="password" id="password" name="password" required>

</div>

<button type="submit">Login</button>

</form>

</body>

</html>

A screenshot of a computer program

Description automatically generatedA screen shot of a computer

Description automatically generated

Buyer’s Perspective

* Open the website => Choose a product (for example: bicycle)
* Is seller open to bargaining/ fixed price ?
* Said bicycle – price = 50 pounds; Age = 2 years;  
  Condition = moderately good, recently serviced (date), etc.
* Save in Wishlist
* Message the seller, ask about proof of condition or evidence,
* Agree on a date and location (drop off/pick up point)
* On Date of pickup or delivery/buying, transaction done directly by cash or direct transfer.

Seller’s Perspective