Database Design for Chip Transaction Platform

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Contents

Intro

Introduction about the background information

Design

Our basic logic for the design of our chip transaction platform

Demostration

Clear demostration of operations included in our platform

Introduction

Section 1

Intro

This project is under **option 1, branch 1, normal** difficulty.

Aim: implement a platform designed for chip transactions between consumers and producers and handle chip production procedures.

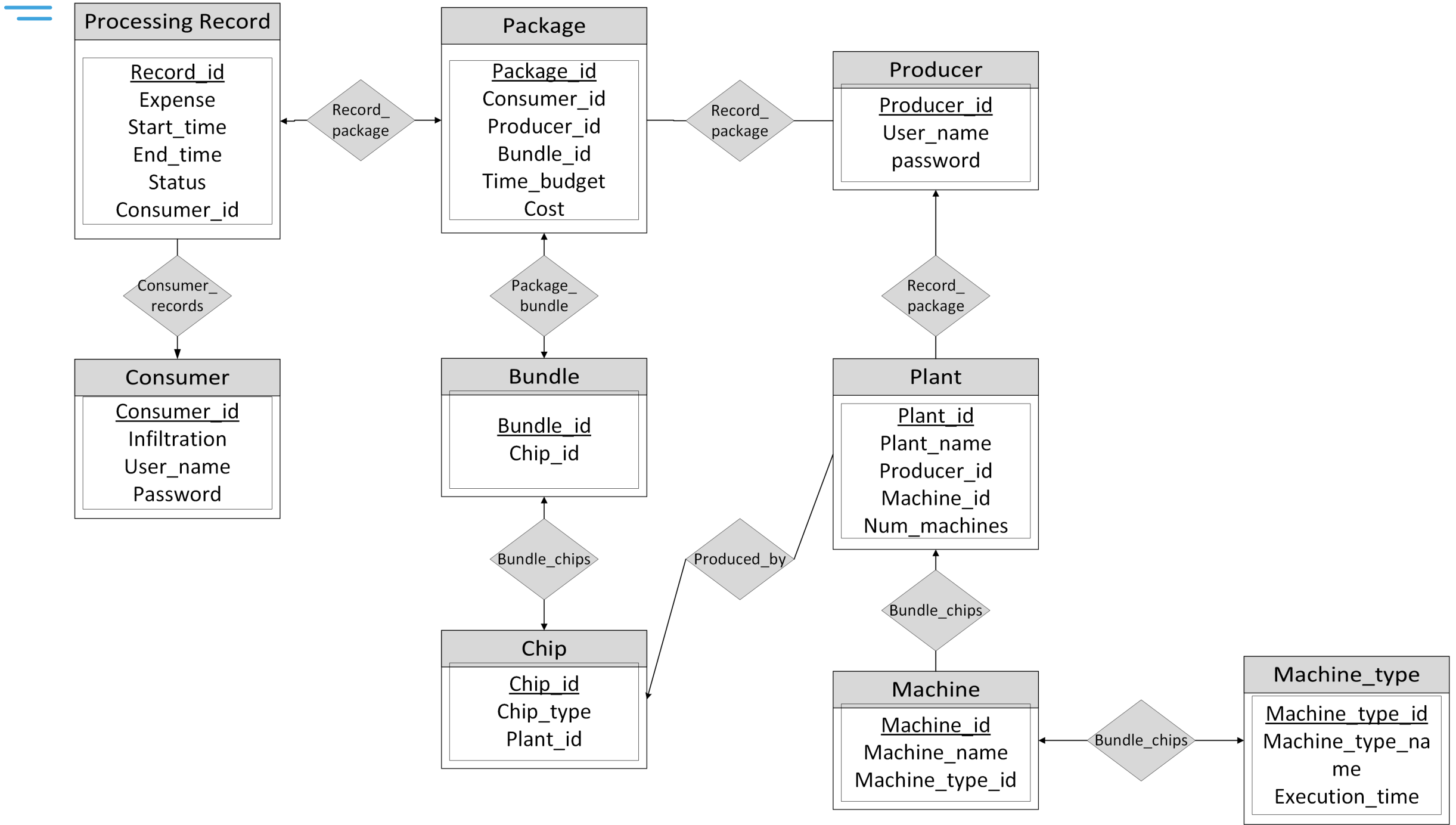
Functions

- Consumers and producers sign up and sign in
- Consumers to register/modify purchase requests
- Producers to register package information
- Producers to register/modify product (chip) description
- Assign operations to machines
- General information look up
- General information with visualization

Design

ER Diagram

Section 2


Processing Record
Record_id
Expense
Start_time
End_time
Status
Consumer_id
Record_ package
Package
Package_id
Consumer_id
Producer_id
Bundle_id
Time_budget
Cost
Record_ package
Producer
Producer_id
User_name
password
Consumer_ records
Consumer
Consumer_id
Infiltration
User_name
Password
Package_ bundle
Bundle
Bundle_id
Chip_id
Record_ package
Plant
Plant_id
Plant_name
Producer_id
Machine_id
Num_machines
Bundle_chips
Chip
Chip_id
Chip_type
Plant_id
Produced_by
Bundle_chips
Machine
Machine_id
Machine_name
Machine_type_id
Bundle_chips
Machine_type
Machine_type_id
Machine_type_na me
Execution_time

Demonstration

Section 3

HOME PAGE

127.0.0.1:5500/source/home_page.html

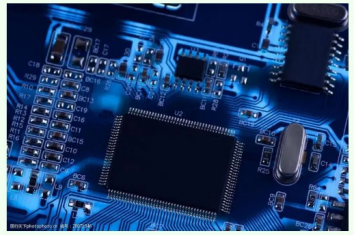
Consumer Login Producer Login

Eastern Digital Industries

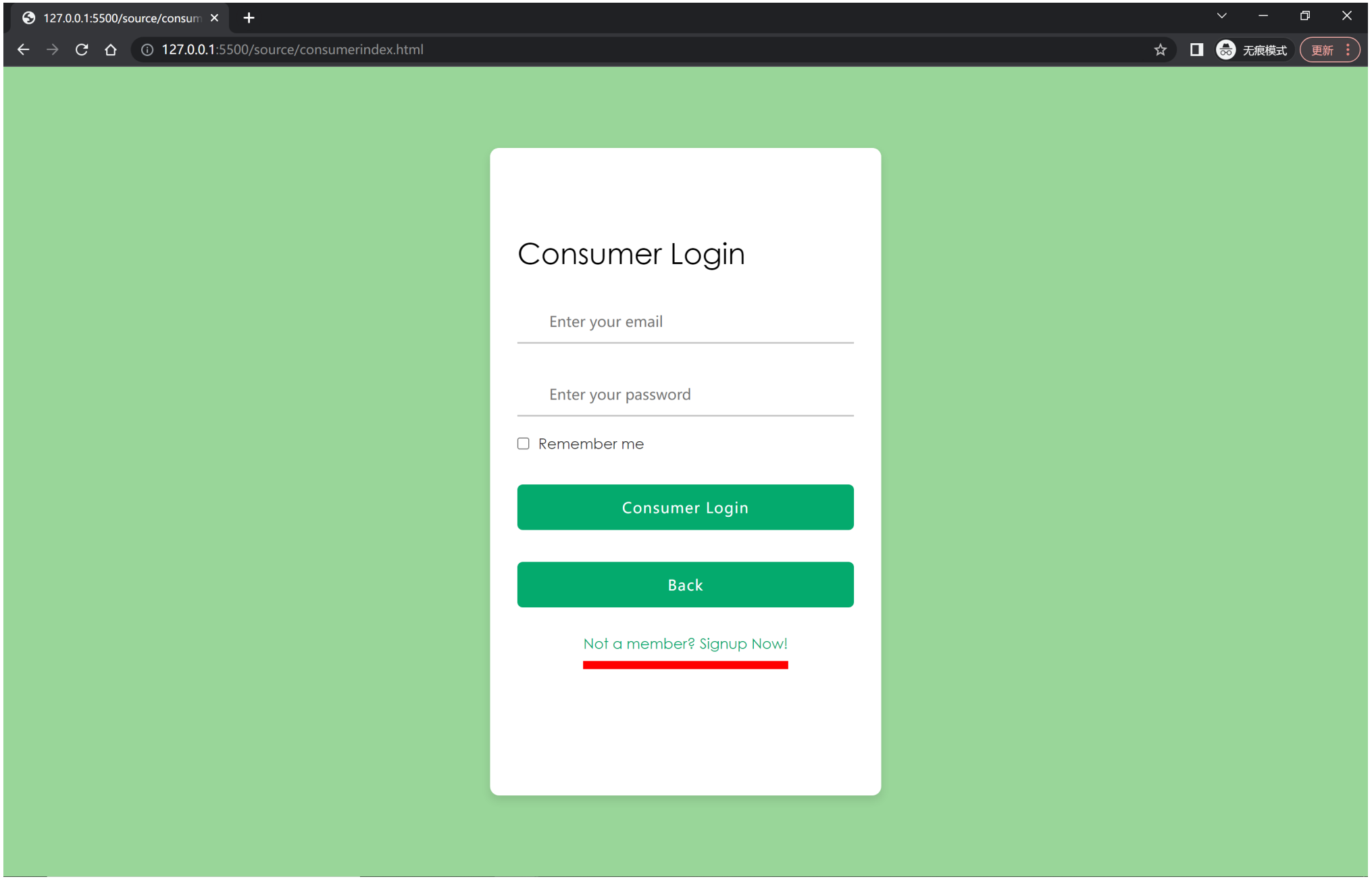
EDI

EDI is a online semiconductor chip transaction platform, we aim to implement a global, convenient, and secure platform for chip purchase and sales.

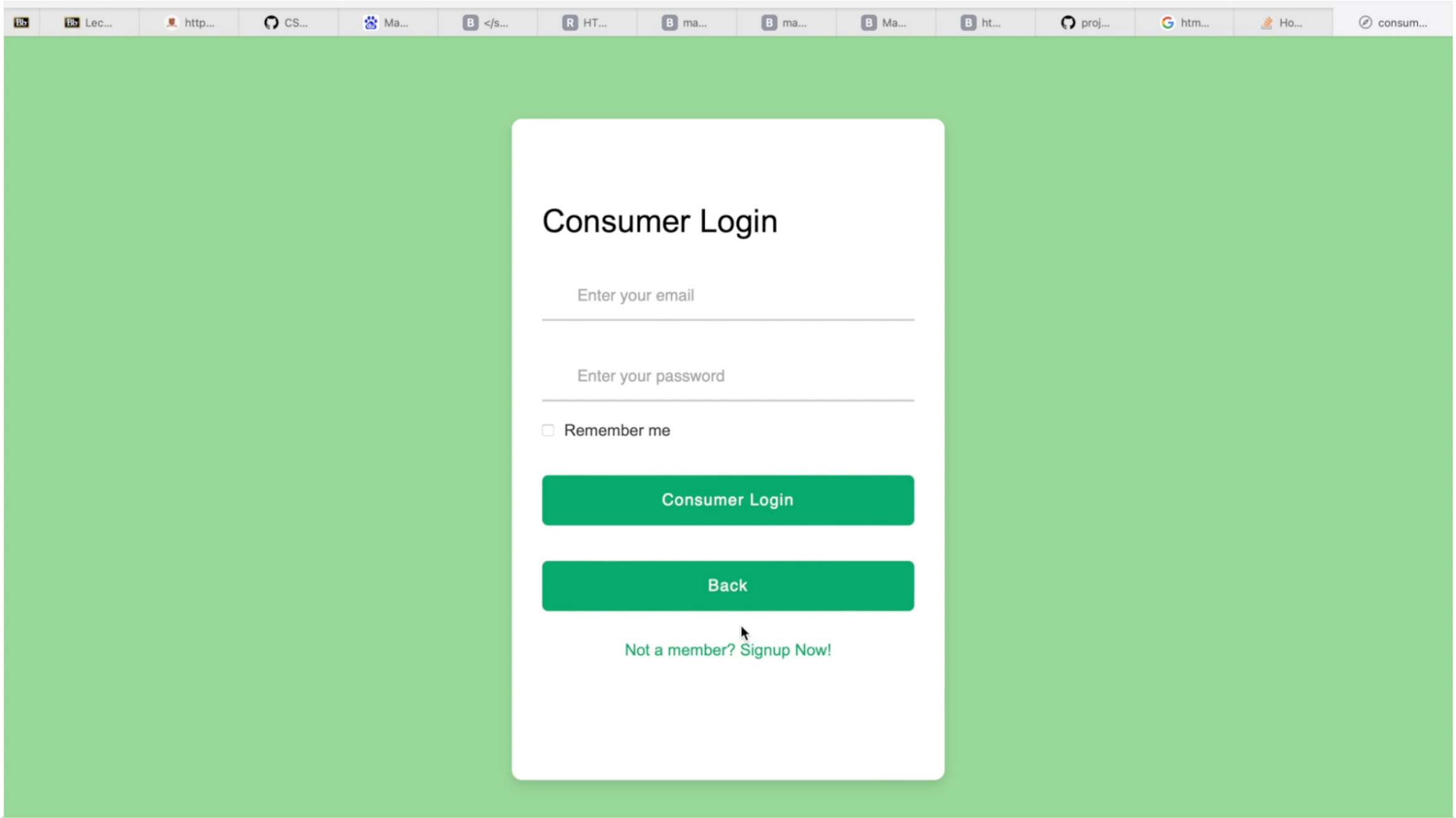
Our Products

Chip Type	Product Image	Detail	Price
G100		2 cores 4 threads	$150

LOGIN/REGISTRATION PAGE



LOGIN/REGISTRATION VIDEO



CONSUMER HOMEPAGE

consumer home page

127.0.0.1:5500/source/consumer_homepage.html

Home | Check Package | Make Purchase | Log-out | Delete Account | Account ID: 93352

Logged in as **Consumer**

Financial Services

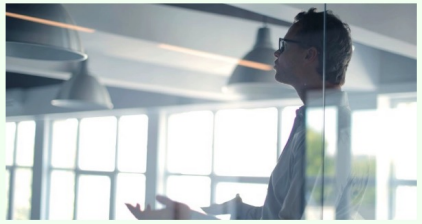
Turn your financial services know-how into business success

Distributed

Combining the best online and offline shopping experience

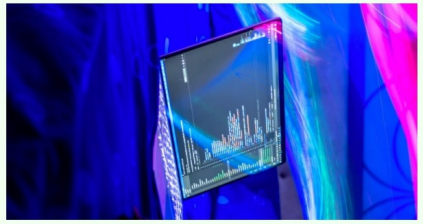
Retail

Fuel business growth based on an omnichannel customer experience



Media

Digitalize your entire media journey, fast and personalized content recommendations



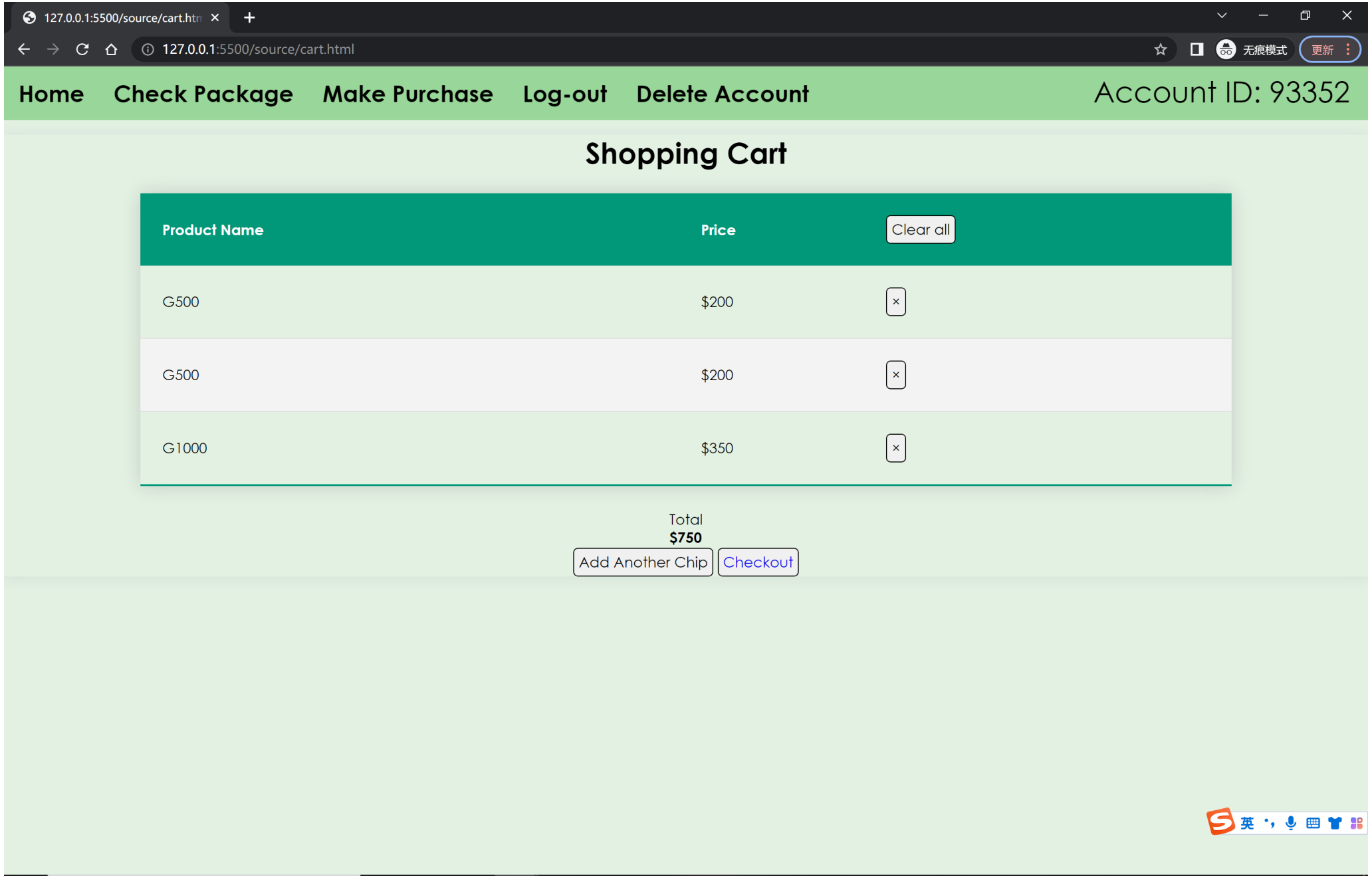
Security

Establish robust, end-to-end protection to address security challenges

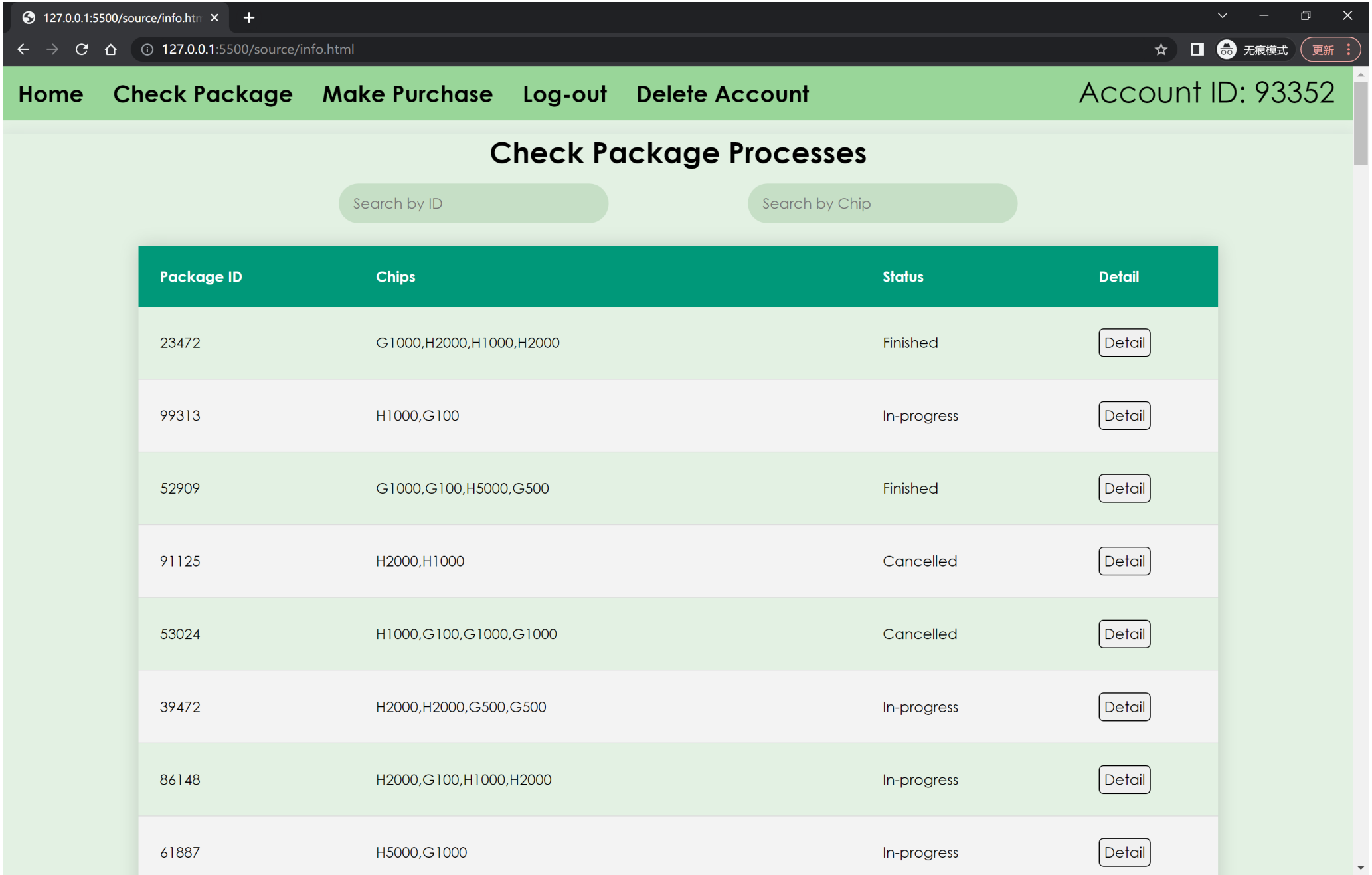
Cloud

Enable efficient management for CloudOps, DevOps, SecOps, AIOps, and FinOps

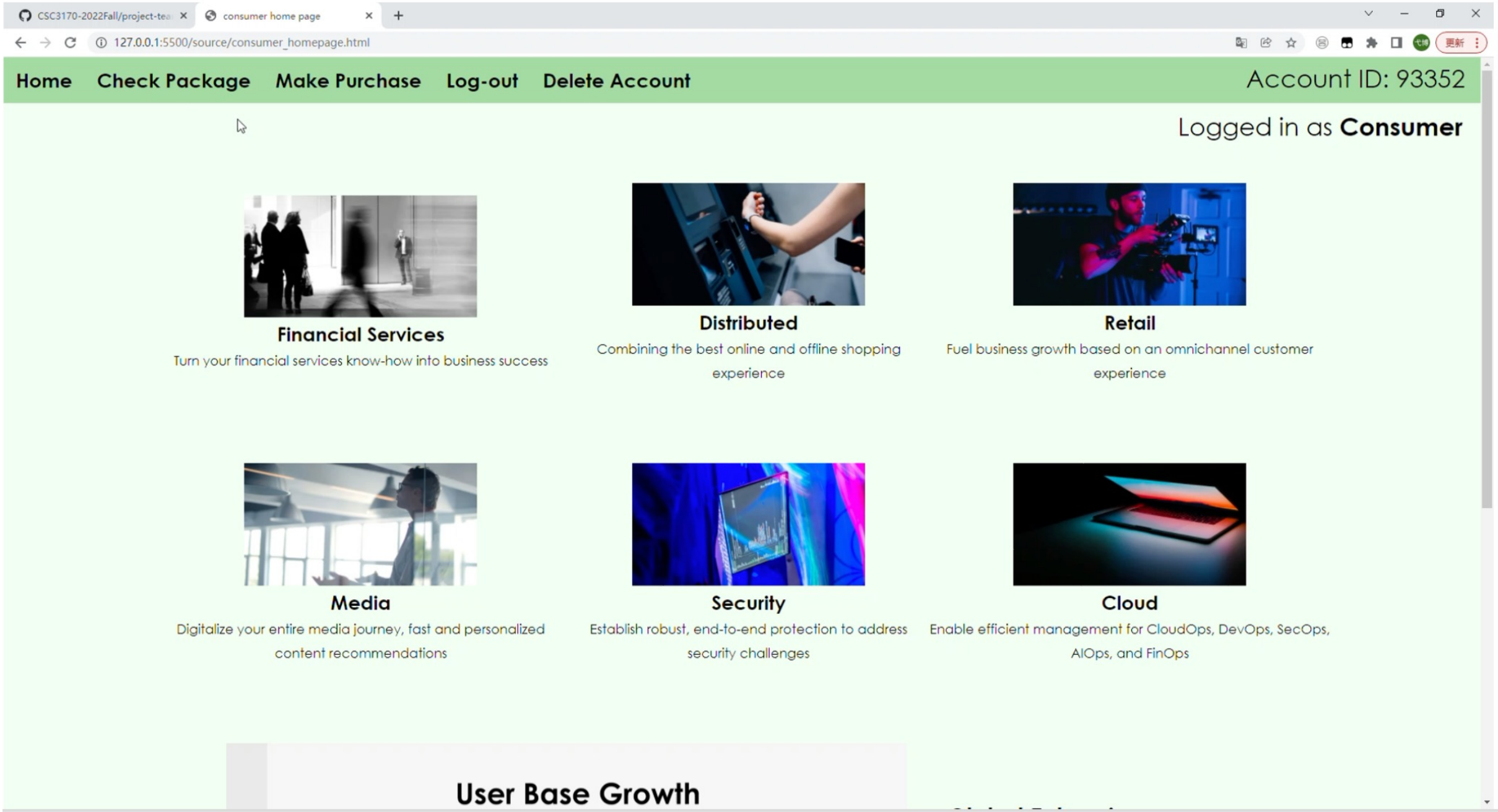
MAKE PURCHASE



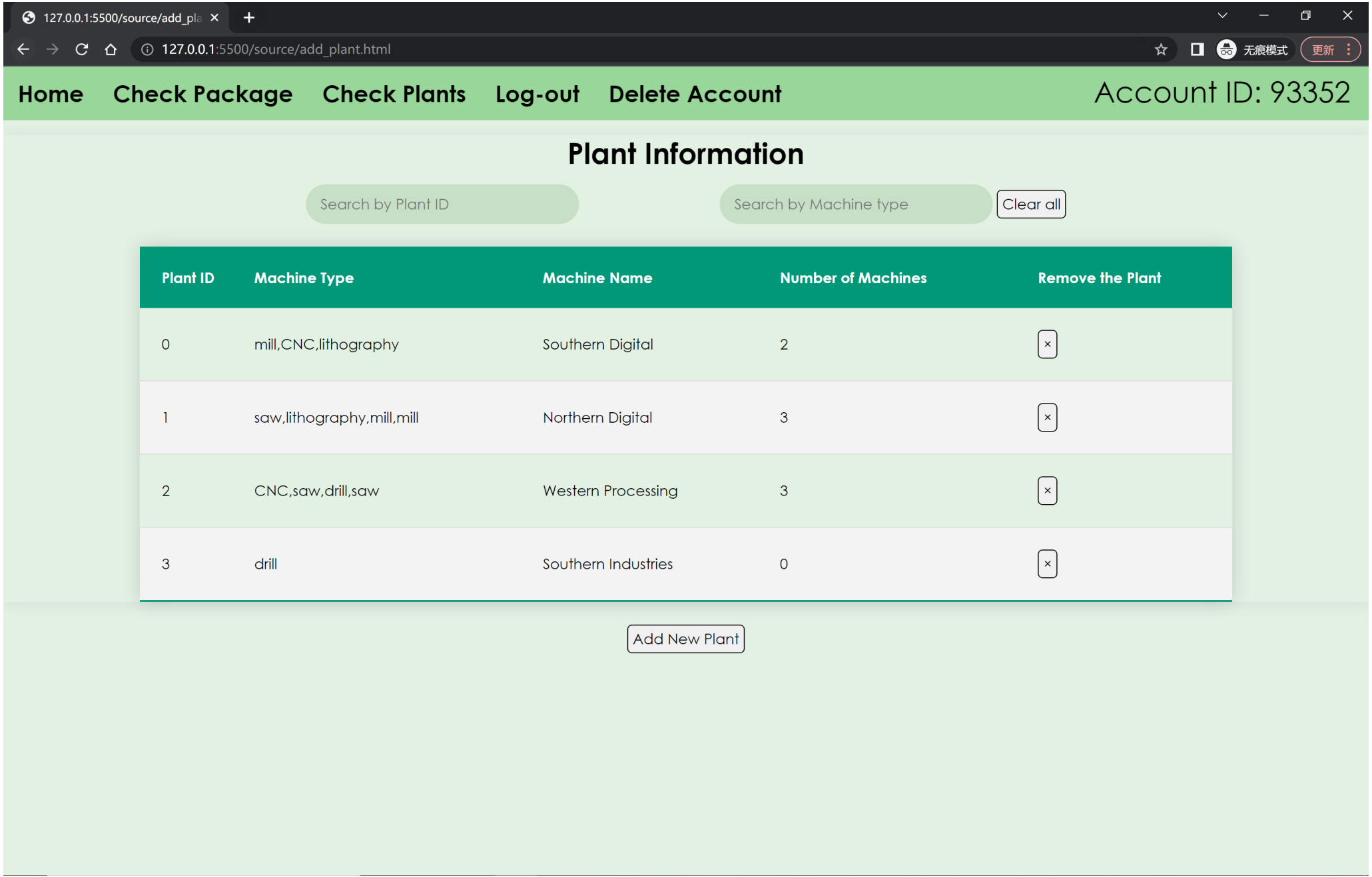
CHECK PACKAGE (CONSUMERS)



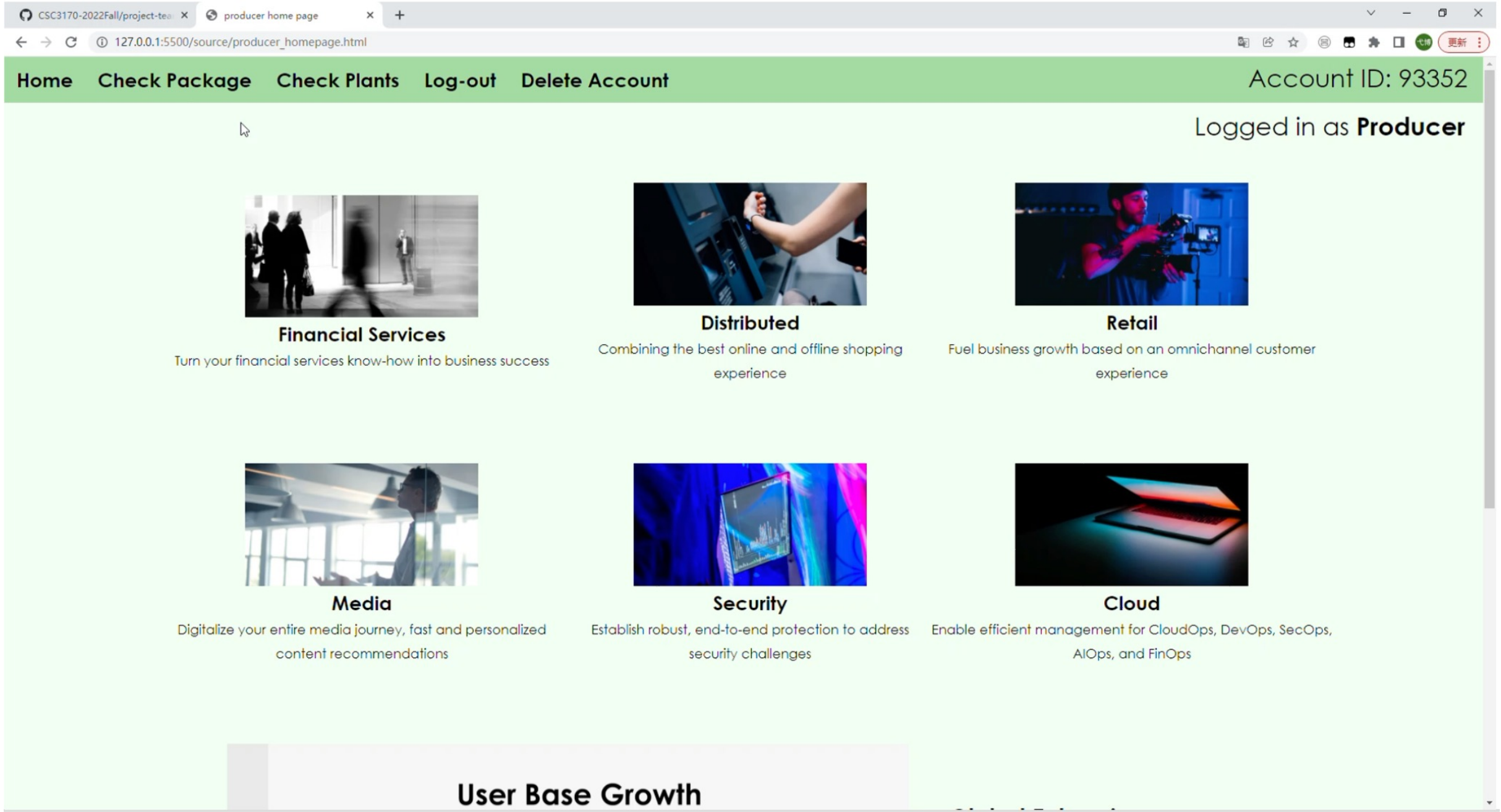
CONSUMER USERS ' AVAILABLE OPERATIONS (VIDEO)



CHECK PLANT INFO (PRODUCER)



PRODUCER USERS ‘ AVAILABLE OPERATIONS (VIDEO)



Q&A

THANK YOU