

# 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 demonstration 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

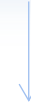


Consumers to register/modify purchase requests

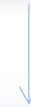


Producers to register package information

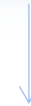
Producers to register/modify product (chip) description



Assign operations to machines



General information look up



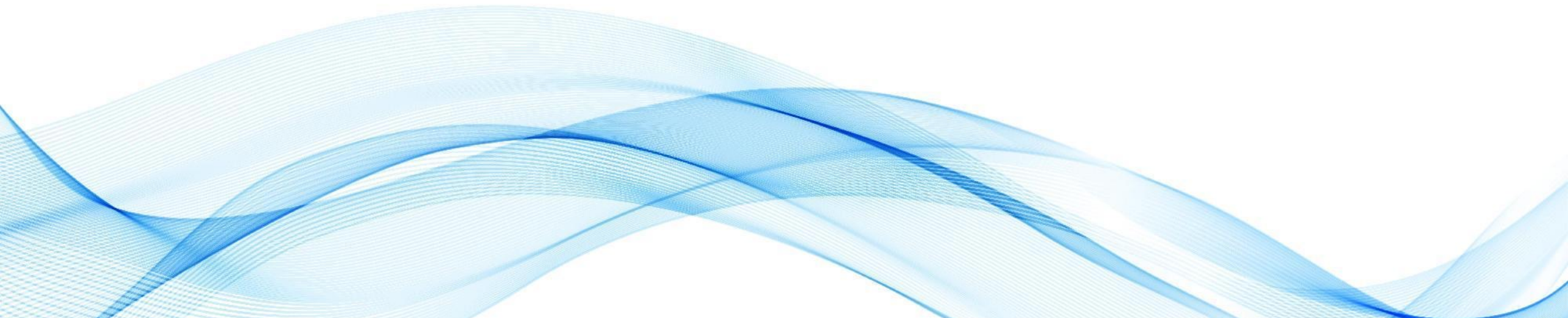
General information with visualization

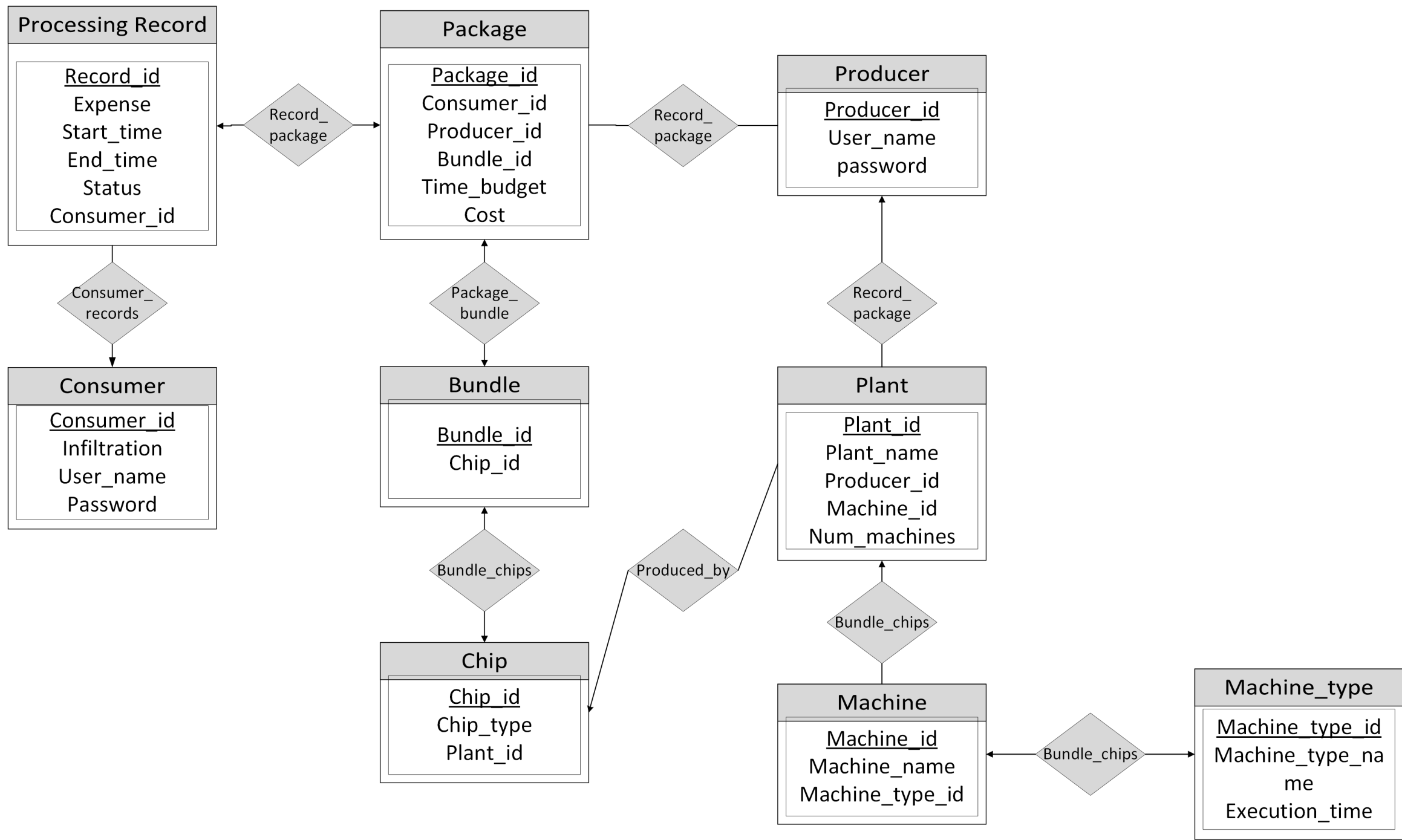


# Design

## ER Diagram

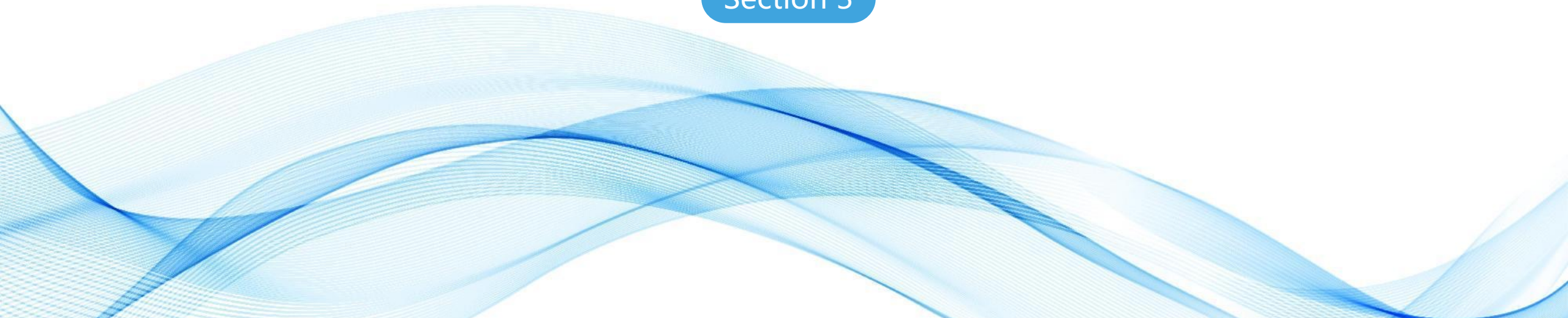
Section 2





# Demonstration

Section 3






# HOME PAGE

127.0.0.1:5500/source/home\_...  
127.0.0.1:5500/source/home\_page.html

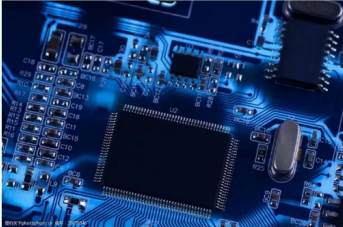

Consumer Login   Producer Login

## Eastern Digital Industries



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

127.0.0.1:5500/source/consum x +

127.0.0.1:5500/source/consumerindex.html ☆ □ 无痕模式 更新

## Consumer Login

Enter your email

Enter your password

☐ Remember me

Consumer Login

Back

Not a member? [Signup Now!](#)



# LOGIN/REGISTRATION VIDEO



## Consumer Login

Enter your email

Enter your password

☐ Remember me

Consumer Login

Back

Not a member? [Signup Now!](#)

# CONSUMER HOMEPAGE


consumer home page

127.0.0.1:5500/source/consumer\_homepage.html

无痕模式 更新


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



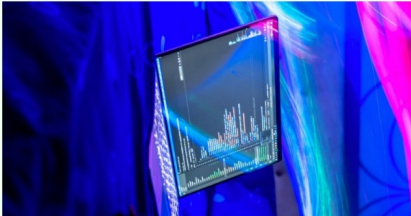
### Retail

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

127.0.0.1:5500/source/cart.htm x +

← → ↻ 🏠 ⓘ 127.0.0.1:5500/source/cart.html ☆ 🗄️ 🗯️ 无痕模式 更新 ⋮

Home   Check Package   Make Purchase   Log-out   Delete Account

Account ID: 93352

### Shopping Cart

| Product Name | Price | Clear all |
|--------------|-------|-----------|
| G500         | \$200 | ×         |
| G500         | \$200 | ×         |
| G1000        | \$350 | ×         |

Total  
\$750

Add Another Chip   Checkout

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# CHECK PACKAGE (CONSUMERS)

127.0.0.1:5500/source/info.htm x +

127.0.0.1:5500/source/info.html

☆ □ 无痕模式 更新

Home

Check Package

Make Purchase

Log-out

Delete Account

Account ID: 93352

Check Package Processes

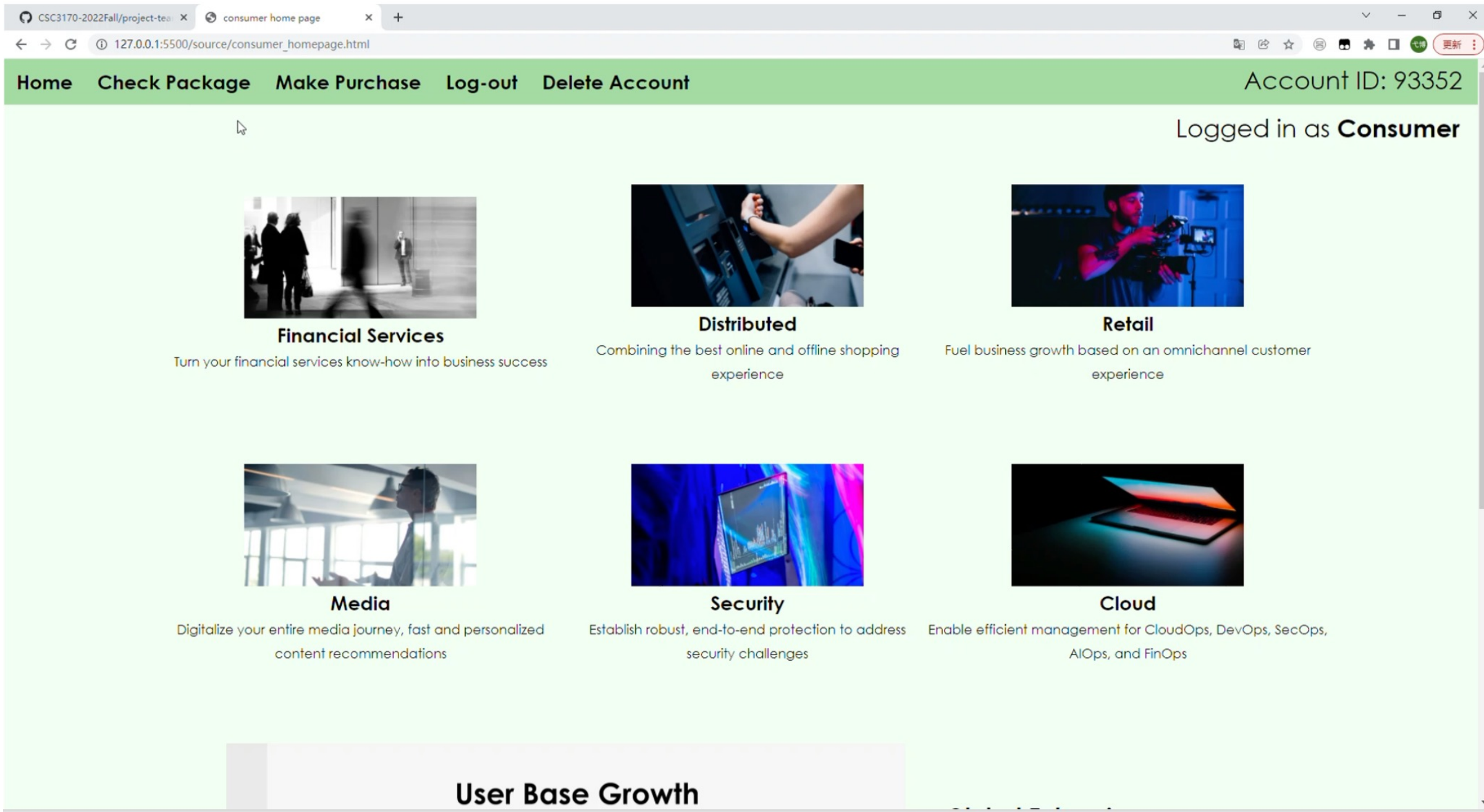
Search by ID

Search by Chip

| Package ID | Chips                   | Status      | Detail            |
|------------|-------------------------|-------------|-------------------|
| 23472      | G1000,H2000,H1000,H2000 | Finished    | <div>Detail</div> |
| 99313      | H1000,G100              | In-progress | <div>Detail</div> |
| 52909      | G1000,G100,H5000,G500   | Finished    | <div>Detail</div> |
| 91125      | H2000,H1000             | Cancelled   | <div>Detail</div> |
| 53024      | H1000,G100,G1000,G1000  | Cancelled   | <div>Detail</div> |
| 39472      | H2000,H2000,G500,G500   | In-progress | <div>Detail</div> |
| 86148      | H2000,G100,H1000,H2000  | In-progress | <div>Detail</div> |
| 61887      | H5000,G1000             | In-progress | <div>Detail</div> |

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# CHECK PLANT INFO (PRODUCER)

127.0.0.1:5500/source/add\_pla x +

127.0.0.1:5500/source/add\_plant.html

☆ □ 无痕模式 更新

Home Check Package Check Plants Log-out Delete Account Account ID: 93352

### Plant Information

Search by Plant ID Search by Machine type Clear all

| Plant ID | Machine Type              | Machine Name        | Number of Machines | Remove the Plant |
|----------|---------------------------|---------------------|--------------------|------------------|
| 0        | mill,CNC,lithography      | Southern Digital    | 2                  | ×                |
| 1        | saw,lithography,mill,mill | Northern Digital    | 3                  | ×                |
| 2        | CNC,saw,drill,saw         | Western Processing  | 3                  | ×                |
| 3        | drill                     | Southern Industries | 0                  | ×                |

Add New Plant

# PRODUCER USERS ' AVAILABLE OPERATIONS (VIDEO)

CSC3170-2022Fall/project-tea x producer home page x +


127.0.0.1:5500/source/producer\_homepage.html

更新

Home Check Package Check Plants Log-out Delete Account


Account ID: 93352

Logged in as **Producer**




**Financial Services**

Turn your financial services know-how into business success




**Distributed**

Combining the best online and offline shopping experience



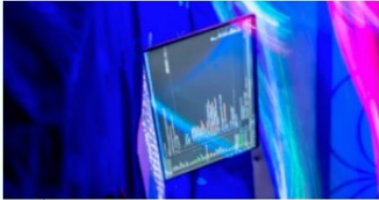
**Retail**

Fuel business growth based on an omnichannel customer experience



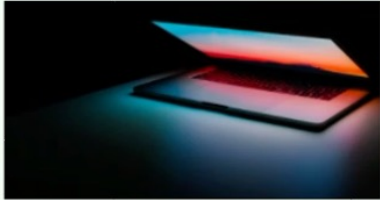
**Media**

Digitalize your entire media journey, fast and personalized content recommendations



**Security**

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

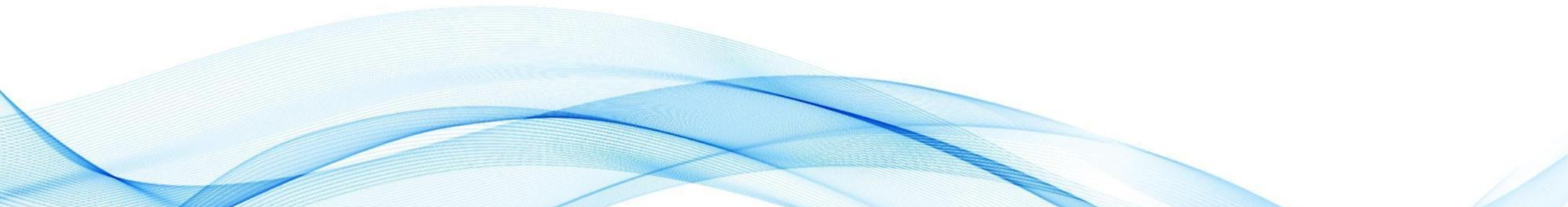


**Cloud**

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

User Base Growth

# Q&A





# THANK YOU

