CleanHome

Convenient Service

Boyi Zhang

List

- Team member
- Project Introduction
- Problem Statement
- Personas
- MVP demo
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- Backlog
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OUR TEAM

Boyi Zhang

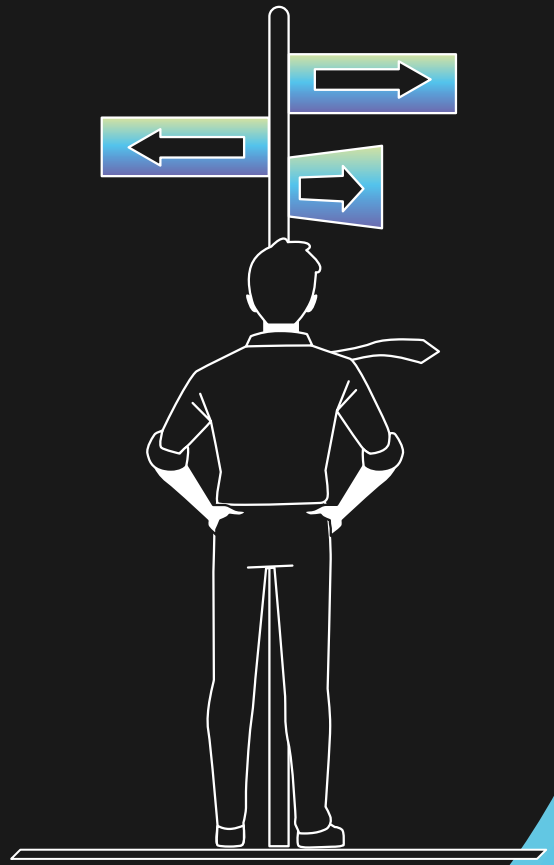
Product manager

Responsible

- product design
- UI design
- Implement project code
- Collect user feedback
- Ensure that the project meets user needs

INTRODUCTION

Cleanhome. As a convenient service platform, Cleanhome provides a one -stop housekeeping service for people's daily life, including cleaning, maintenance, gardening and other services.



Problem Statement

There are many problems with traditional Housekeeping services, such as difficulties make a appointment and guaranteeing service quality.

Aa one-stop service platform, we can solve most user needs, not just cleaning.

Project Name:	Cleanhome
Team:	Boyi Zhang
Project Description:	Housekeeping services can be booked at your available times with free cancellation and changes **For** customers **who** book housekeeping **the** Cleanhome **is a** web app **that** Easily book housekeeping services **unlike** Traditional phone calls to book housekeeping services, available time also needs to be discussed by phone **our application** Not only are the available times obvious, but they can be changed and canceled at any time for free. We also provide user feedback to improve the quality of our services.
Benefit Outcomes:	1. Users can book services according to their favorite date and time 2. Just click on the service you need to see the available time and make a choice 3. Free changes and cancellations
Github Link:	https://github.com/htmw/2023S-bzhang/wiki

Project Description Summary

Persona 1

Demographics
Name: Oliver
Age: 35
Location: New York, NY
Job: Stock manager
Salary: $100,000-$120,000/year
Family: living alone

Profile
As an experienced stock manager, Oliver not only has to go to work on time every day, but also prepares for tomorrow's trading after get off work. Because of his work, he always likes to dress professionally and has a lot of suits at home.

+
+

Frustration
- He has a big apartment and doesn't have time to clean it.
- No time to take the suit to dry cleaning

Goals
- Need cleaning service
- Need to take the suit to dry cleaning

Persona 2

Demographics
Name: Anna
Age: 32
Location: New Jersey, NY
Job: Full time housewife
Salary: $0/year
Family: Lives with her husband and has three children

Profile
She lives in a house with his family. Every day, she cooks for her three children and her husband and cleans the house. Occasionally the yard needs to be cleaned.

Frustration
- The house is too big, it's tiring to clean it every time.
- When cleaning the garden, the tools are too heavy for her to clean
- Cleaning takes too much time every time and needs some time to do her own interests

Goals
- Cleaning services are needed to clean part of the home
- Need to clean the weeds and water the garden

Persona 3

Demographics
Name: Frank
Age: 25
Location: New York, NY
Job: Bank employee
Salary: $48,000-$60,000/year
Family: Lives with his girlfriend and a dog

Profile
As a fresh graduate, he needs to go to the bank to work on time every day. But sometimes because of work, it is necessary to exchange to a bank in another place. Her girlfriend is studying at NYU. He and his girlfriend live in a rented house in New York. They have a dog together.

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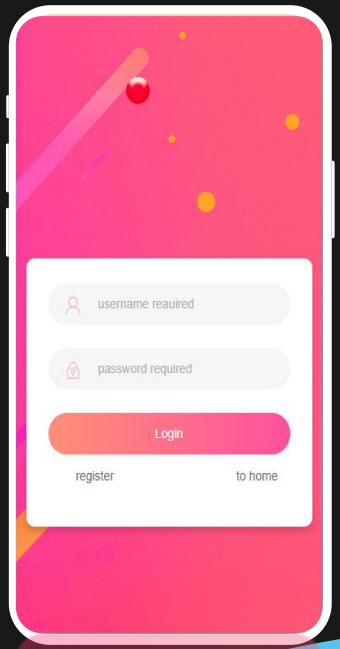
Frustration
- Moving and cleaning is too tiring, he doesn't want to do it himself

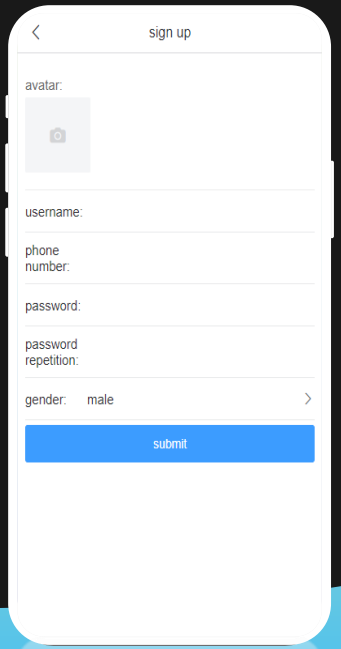
Goals
- Need cleaning service after they move
- Clean the newly rented apartment

MVP DEMO

Login page

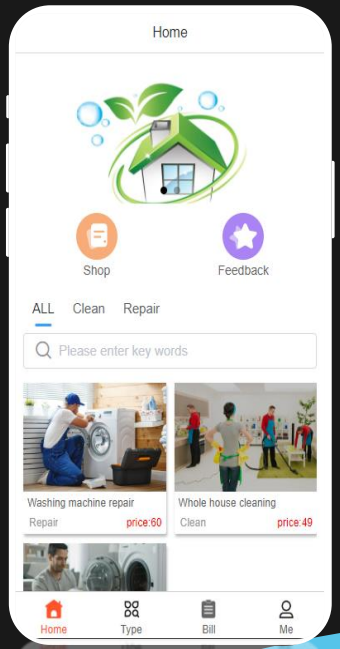


Signup page

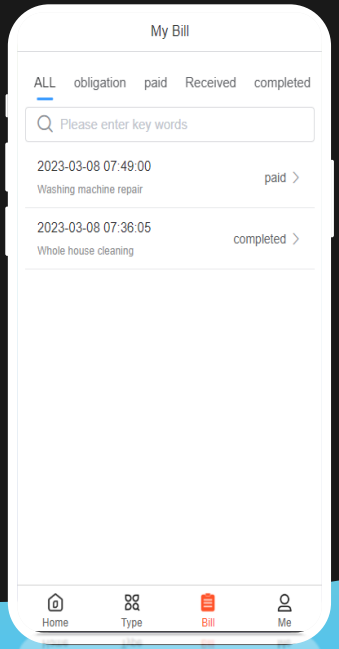


MVP DEMO

Home page

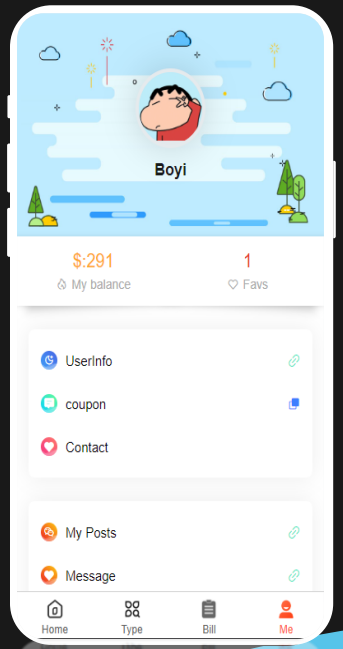


Order page

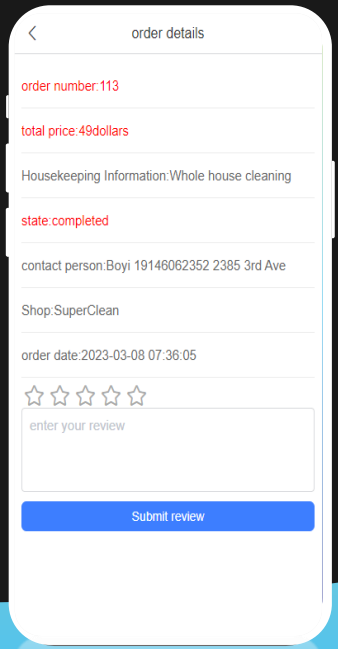


MVP DEMO

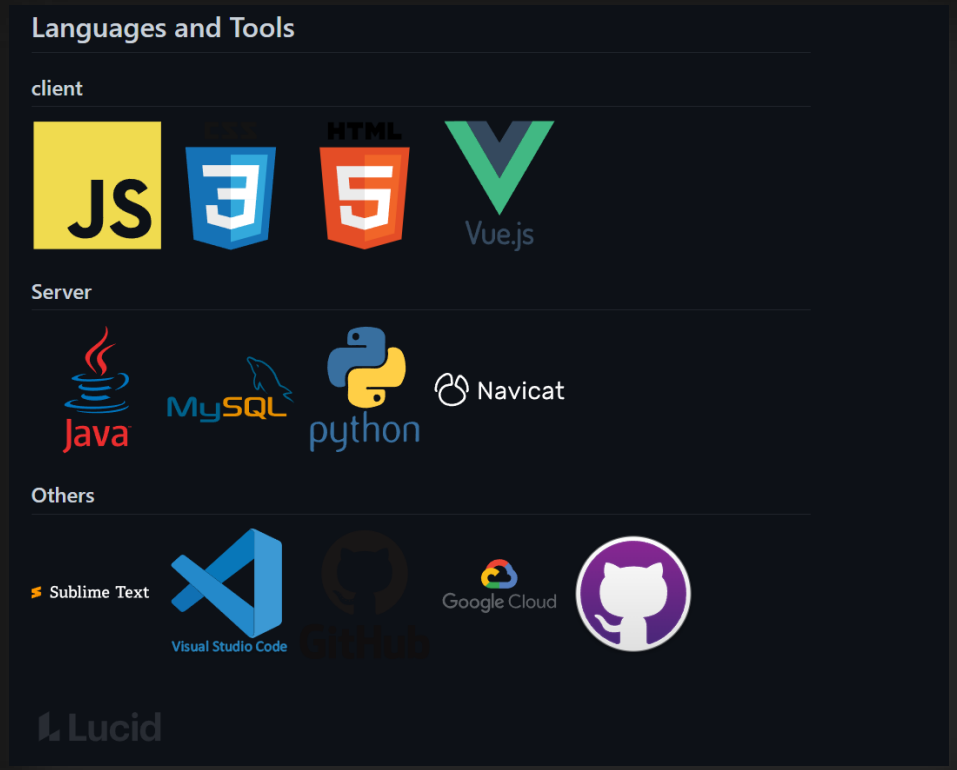
Profile page



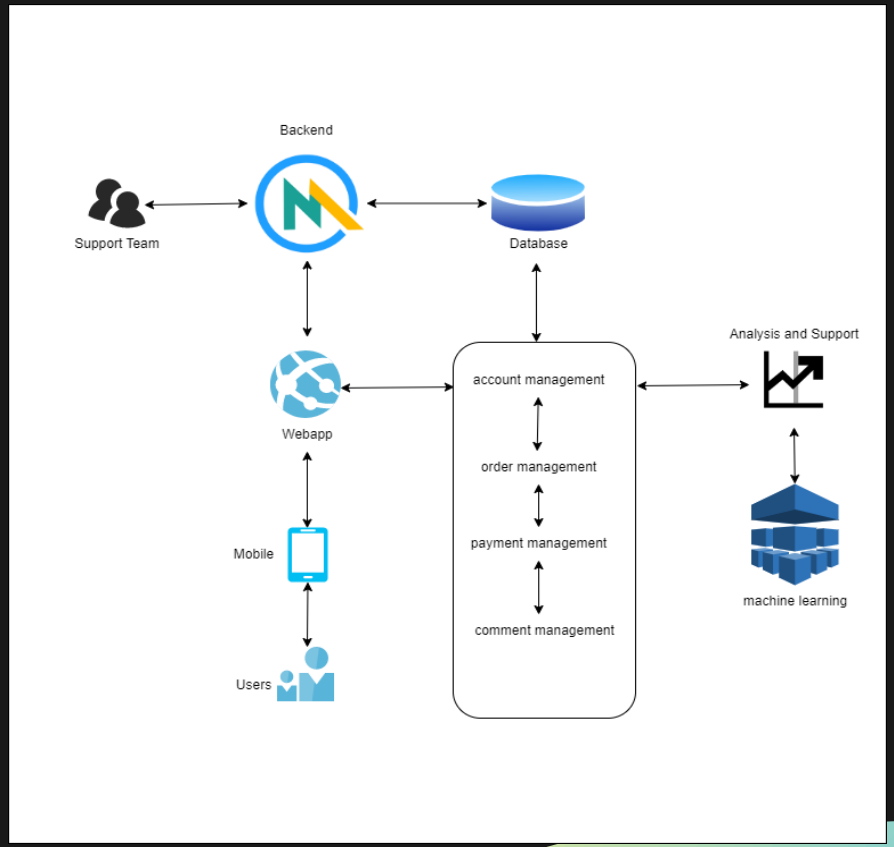
Feedback page



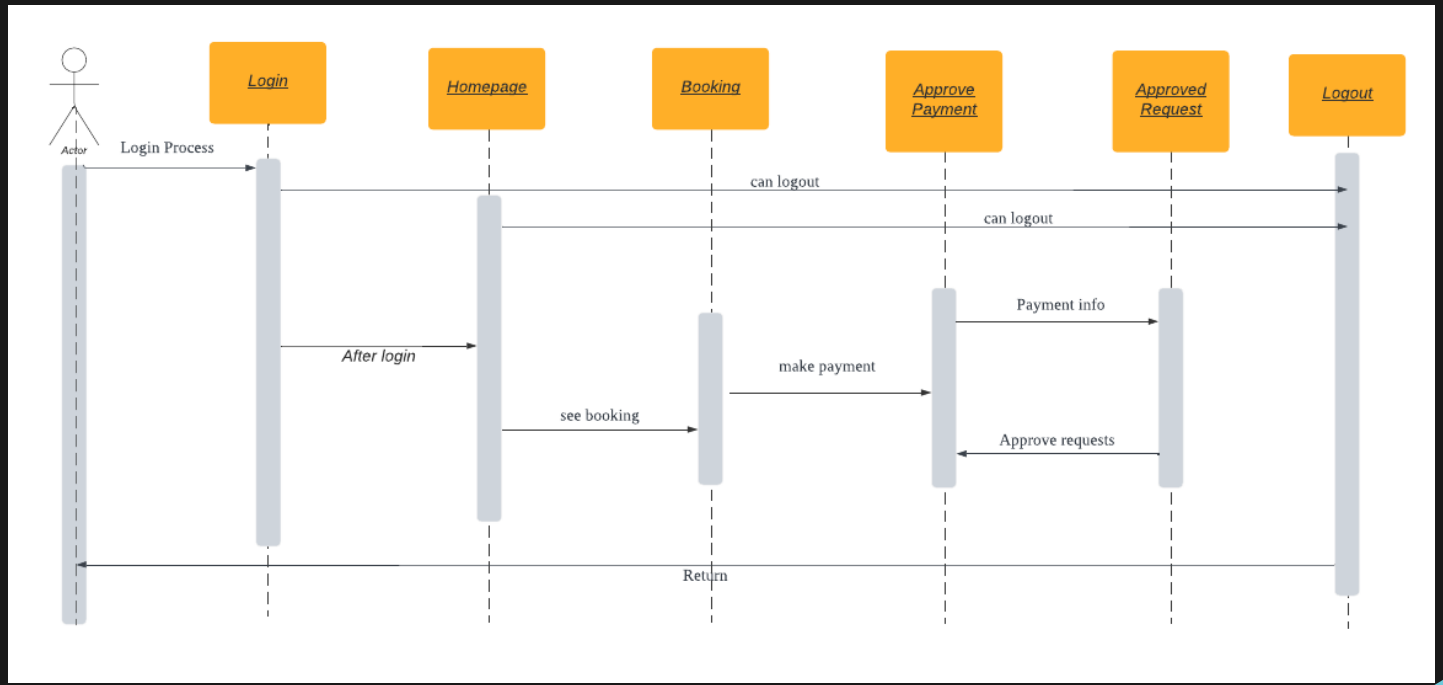
Technology Tools



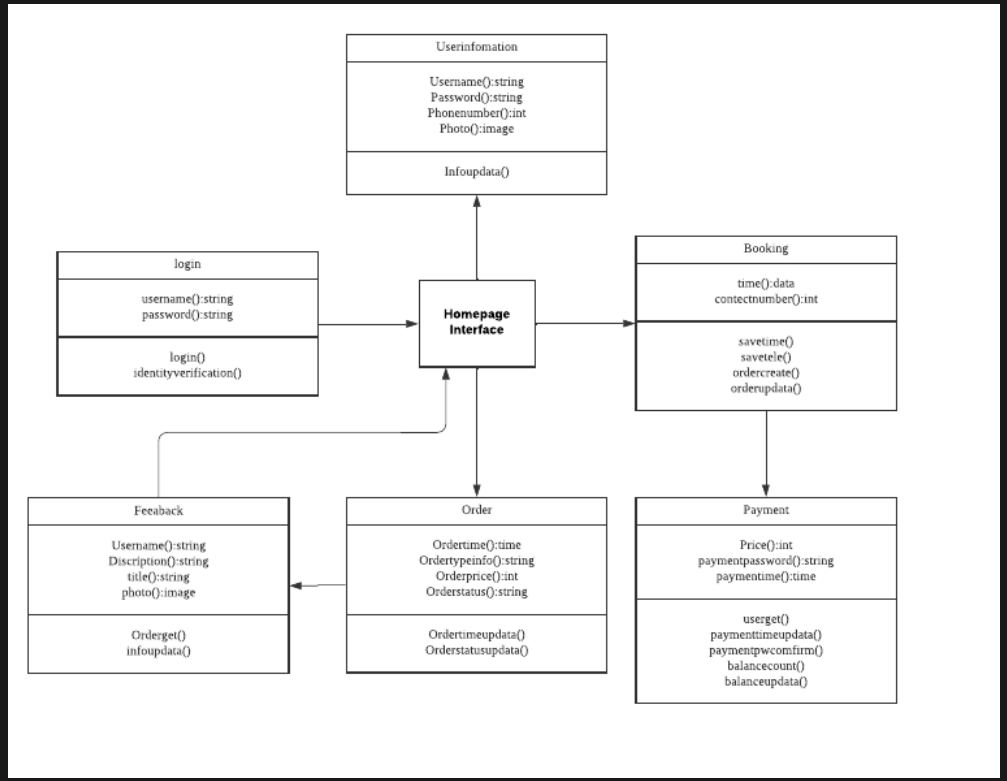
Conceptual Diagram



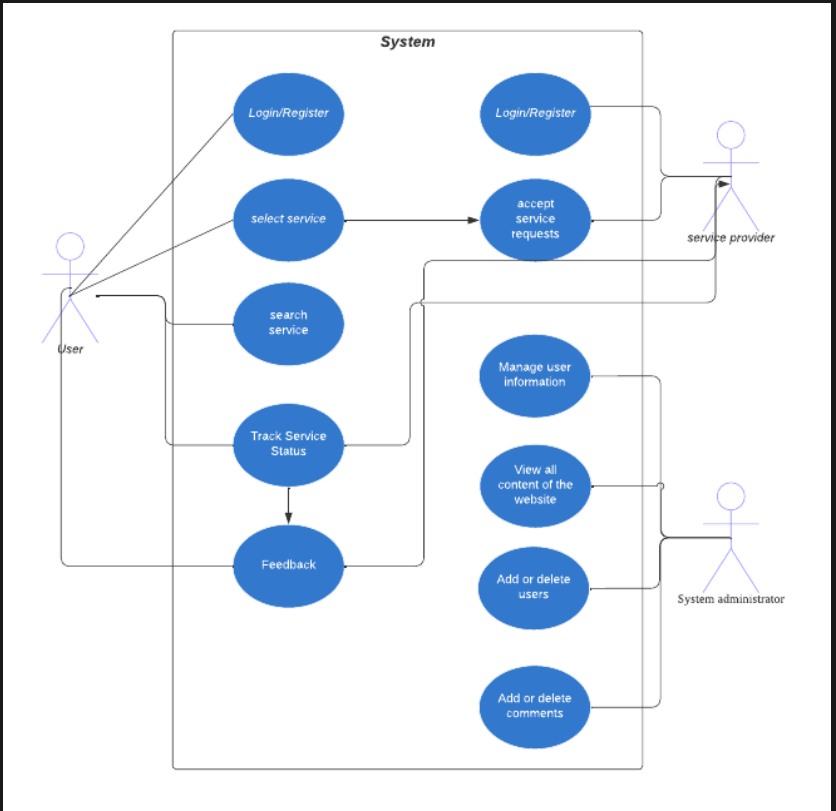
Sequence Diagram



Class Diagram



Use Case Diagram



User Stories

serial number	Role	Requirement	Reason	Status	Place
1	Customer	I want to have a separate account	No need to re-enter information every time	Done	Sign up
2	Customer	I want to log in with my account or email	easy login	Done	Login
3	Customer	I want to upload my avatar on my account	It makes me feel like I'm different	Done	personal information
4	Customer	I want to be able to modify my personal information at any time	Sometimes move or change phone number	Done	personal information
5	Customer	I want to click on the service I need to make an appointment directly	easy for me to operate	Done	main page
6	Customer	I want to directly select a time slot to make an appointment	Save time by not typing	Done	Book
7	Customer	I want to find the service I need by searching	Let me find the service I need faster	Done	search bar
8	Customer	I want to add a description when submitting an order	Clarify what staff need to do	Done	Book
9	Customer	I want to bookmark my favorite services	It's easy to find when you book next time	Done	main page
10	Customer	I want to check if my order is booked successfully	If the order is not successful, you can place a new order	Done	Book
11	Customer	I want to check the status of my order, is there someone to service	Check if someone is coming for the service	Done	Order
12	Customer	I want to be able to cancel my order at any time	There may be some temporary changes that require cancellation of the order	Done	Order
13	Customer	I want to see all services	What services can I find that I need	Done	main page
14	Customer	I want to give some feedback	I can give feedback if I am not satisfied	Done	feedback
15	Customer	I want to be able to pay in the app	Simple payment, no need to prepare cash	in progress	Payment
16	Customer	I want to check my account balance	confirm how much money i have	in progress	Payment
17	Customer	I want to be able to query the time of payment	I can confirm when I placed the order	Done	Payment
18	Customer	I want to see what services I have ordered before	Confirm what I ordered before	Done	Order
19	Customer	I wish there was a navigation bar	The page I need that is easy to find	Done	main page
20	Customer	I want to be able to categorize services	Quickly find the service you need	Done	main page
21	Customer	I want to give feedback on the service so other users can review it	Give useful advice and ensure quality of service	Done	feedback
22	Customer	I would like to receive an SMS or email to confirm my order information	have a written booking instrument	in progress	Order
23	Customer	I want to advance or postpone my booking	Easy to change order information	Done	Order
24	Customer	As an already logged in user, I want to log out of my login	keep my privacy	Done	Logout
25	Customer	I want to know the price of the service on the main interface	It is convenient for me to judge whether this service is suitable for me	Done	main page
26	Customer	I want to see if I have reviewed one of my orders	Will not repeatedly evaluate a service	Done	Order
27	Customer	I want to save my payment method	Convenient for next payment	in progress	Payment
28	Customer	I want to see some information about service	Confirm whether it is the service I want	Done	Information
29	Customer	I want more merchants to provide services on the platform	This can compare the price and service quality to choose my favorite	Done	Shop
30	Customer	I hope to see what service can be displayed when the order is viewed	Let me know clearly what the order is I booked	Done	Order

Accecptance Crieria

ID	User stories ID	Summary of requirment	Acceptance results	state
ts-1	1, 2	With account registration and login function	Complete the account registration function on the first interface, allowing users to have an independent account and password	Done
ts-2	3	Users want to be able to upload images	Provide users with the function of uploading pictures on the registration interface and display them in their personal information	Done
ts-3	4	User wants to be able to edit personal information	Provide information changes on the personal information page, allowing users to change personal information	Done
ts-4	5, 13, 20, 25	Users want to have detailed service information on the main interface and categorize	Display service categories and classifications on the main interface, display service details and prices	Done
ts-5	6, 10	The user hopes to click on the service to make a reservation directly, and there will be a success prompt	Click on the service card to enter the reservation interface, there will be a prompt after the reservation is successful	Done
ts-6	7	Users want to book by picking a time instead of typing	Establish time selection function in the reservation interface	Done
ts-7	8	The user wishes to add a description when booking	Add a description box to the reservation interface, allowing users to type in detail to describe the details of the service they need	Done
ts-8	11, 12, 18	Users want to be able to view order history and details and cancel orders	Display the service content time of the order on the order interface, and establish the order cancellation function	Done
ts-9	14, 21	Users want to be able to give feedback on the service	Create a feedback feature that allows users to give feedback on the service by selecting a few stars and a description	Done
ts-10	15, 16, 27	Users expect to be able to pay and save payment methods on the app	Users can pay in multiple ways on the app, display the balance on the personal interface and save the previous payment method	in progress
ts-11	19	Users want to be able to search for services on the main interface	Create a search bar on the main interface to search and display services	Done
ts-12	22	The user hopes to receive an email or SMS reminder after the reservation is successful	Send a text message or email to the user for confirmation when the order is generated	in progress
ts-13	23	The user wants to modify the order time or information	Create the function of modifying the order in the order interface, allowing users to directly modify the order	Done
ts-14	24	Users want to have the function of logging out	Create a log out button in the personal interface, and the user will log out and return to the login interface after clicking	Done
ts-15	26	Users want to see if they have rated an order	Display the order status on the order page, completed, evaluated, etc.	Done
ts-16	28	Users expect to be able to view event information	Create an activity information function on the main page, and users can enter the page by clicking the picture of the activity	Done
ts-17	29	Users want to be able to view shop	Create a shop button on the main interface, click to view the merchant	Done

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30	Customer	I hope to see what service can be displayed when the order is viewed	Let me know clearly what the order is I booked	Done	Order

Test Case

User Story ID	Unit to test	Assumptions	Test data	Expected Result
US-2	Login	Users can log in through the registered account and password	Username: Boyi Password:123456	Successfully entered the homepage
US-2	Login	Check if the password is correct when the user logs in	Username: Boyi Password:12345678	Password error is displayed
US-7	Homepage	Find the service you need through the search bar on the Homepage	Whole house cleaning	Successfully showing whole house cleaning services
US-7	Homepage	Services should be categorized and arranged		Check if the classification of the service is correct
US-9	Favs	Click Favorite on a certain service interface, Favs can display this service		After clicking Favorite, Favs successfully displays this service
US-12	Order	Users can cancel the order in the order interface		The order is deleted after the user cancels the order
US-3	Person Info	Users can change their avatar on the personal information interface	Image	After the user updates the avatar, the latest avatar is displayed on the personal information interface
US-14	Feedback	Users can give feedback after the order is completed	text	Users can view their own feedback by themselves, and administrators can see feedback in the backend
US-15	Payment	Users can make online payments		Users can recharge with payment methods such as bank cards
US-15	Payment	After payment, the balance is updated		Check if the balance is correct after paying for the order
US-1	Sign up	The user registers an account by entering the necessary information	Username: any Password:any phonenumber:any	After registration, use login to successfully enter the Homepage
US-1	Sign up	When registering, check whether the username is duplicate	Username: Boyi	Duplicate Username! is displayed under the username
US-24	Logout	Users can log out in the personal interface		Successfully return to the login interface after the user logs out
Task	Backend	Add users, delete users and change user information		Check if user information is updated or deleted
Task	Backend	Check the user information and confirm that it is correct	Username: Boyi Password:123456	Compare with my personal account information and check if I can view all users
Task	Backend	Check the order information and confirm the operation authority of the order		Confirm whether the order information is consistent and change or delete the order information, check whether it is updated
Task	Backend	Check the feedback information		Ability to view feedback from all users
Task	Backend	The backend should have a search function for all users and orders etc.		Run a search on each item to check if the information matches

Sprint 1 backlog

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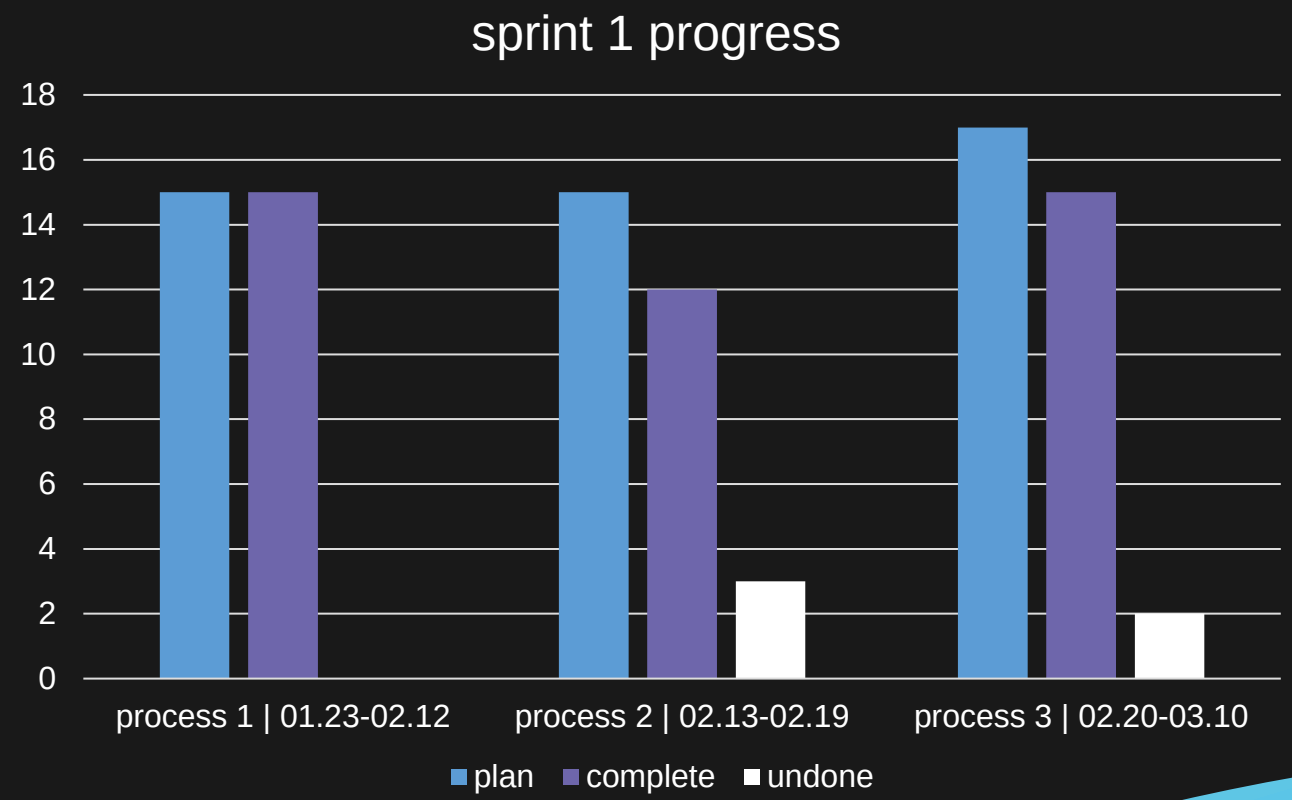
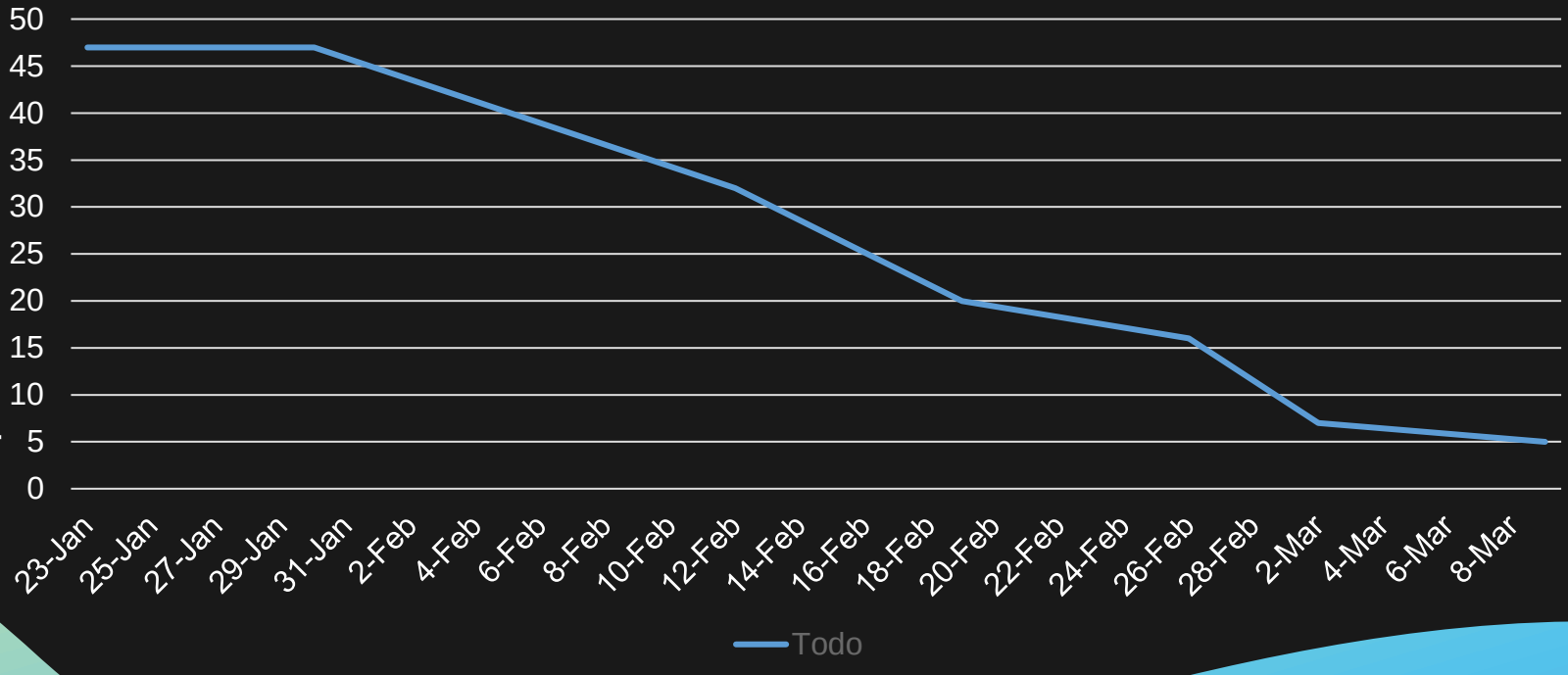
ts-12	Customer	The user hopes to receive an email or SMS reminder after the booking is successful	Send a text message or email to the user for confirmation when the order is generated	in progress	

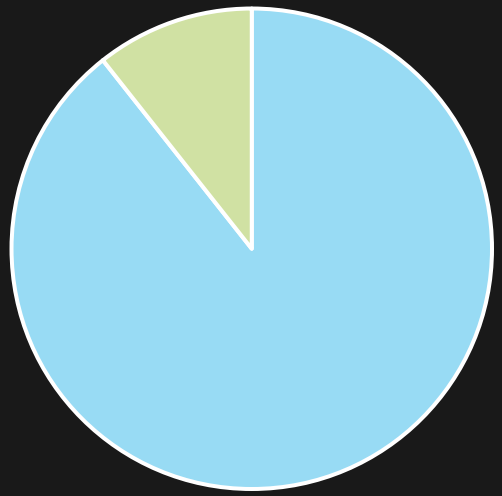

sprint 1 progress
18
16
14
12
10
8
6
4
2
0
process 1 | 01.23-02.12
process 2 | 02.13-02.19
process 3 | 02.20-03.10
plan
complete
undone

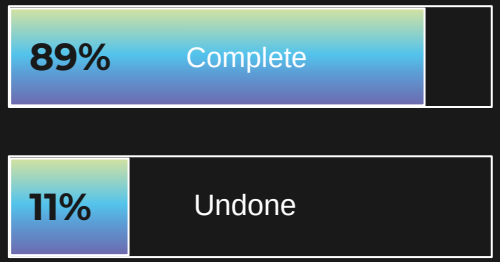
Sprint 1 Burndown Charts



Program Completion

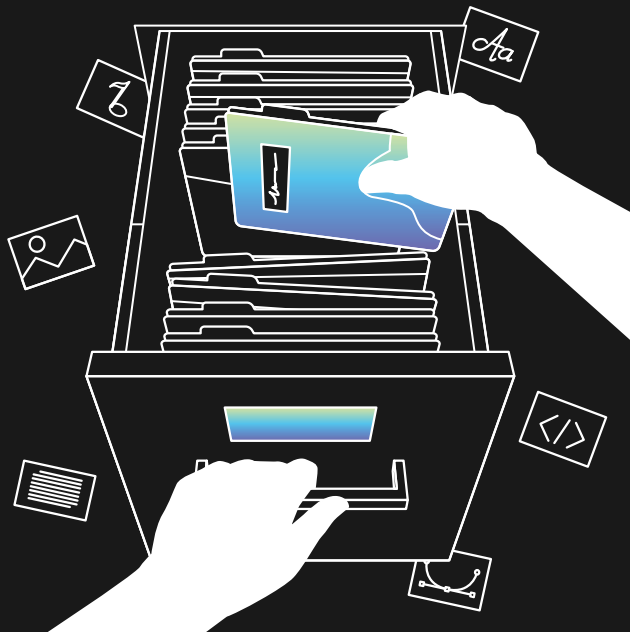
Total: 47
Complete: 42
Undone: 5
task completion: 89%





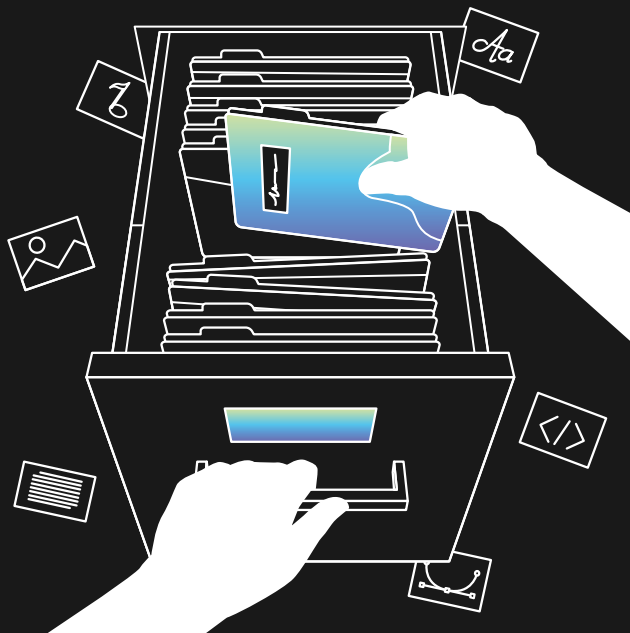
What went well?

- Completed most of the mission plans
- Followed the rules of agile programming
- Minimal Viable Product achieved



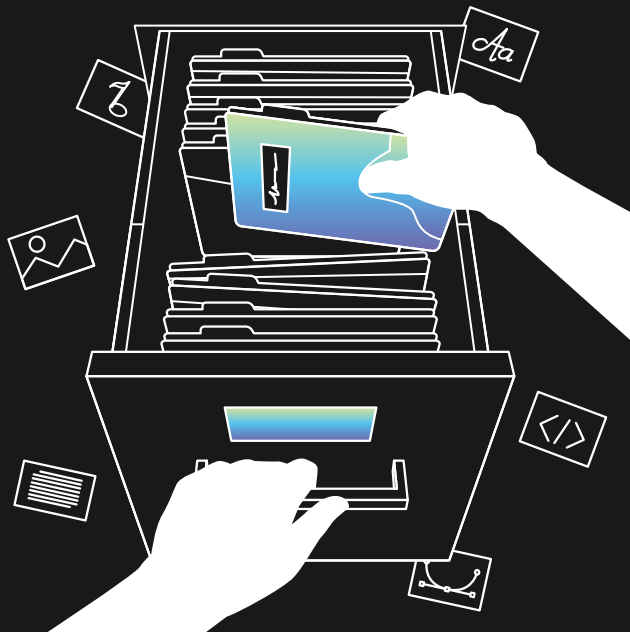
what can be improved?

- Keep the version update on github
- make the plan better
- Complete the plan on time

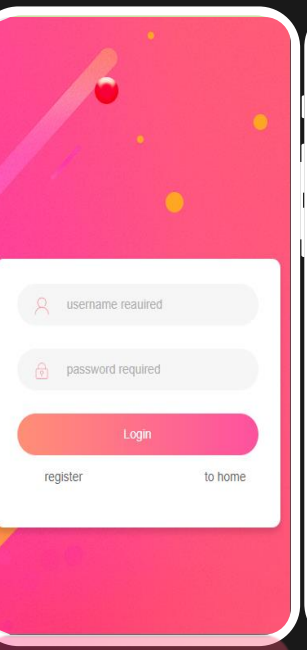


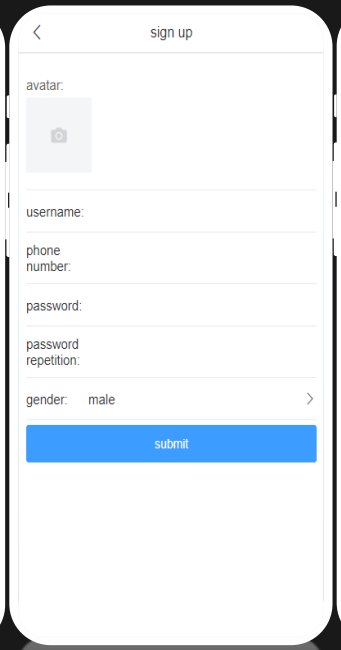
What to do next?

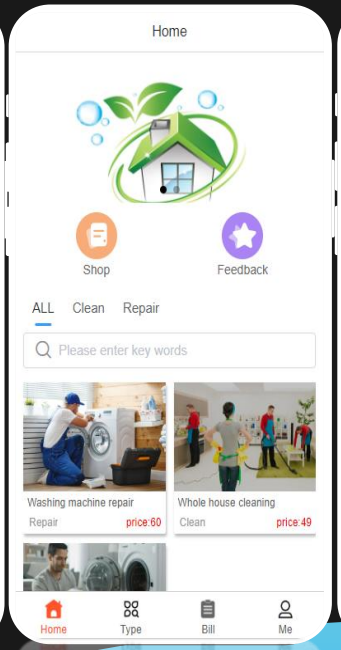
- Analyze User Behavior Habits with ML
- Complete previous unfinished tasks
- Optimize project UI and functions
- Planning for Sprint 2 with paper work

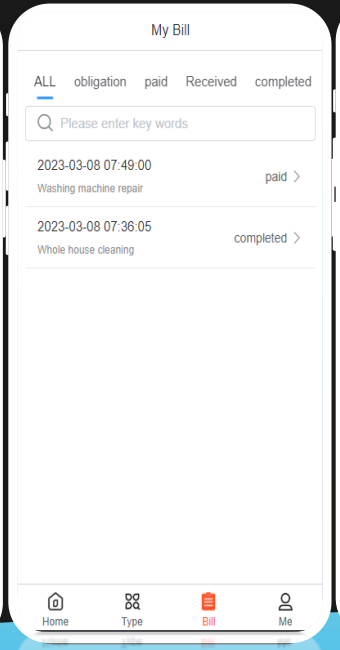


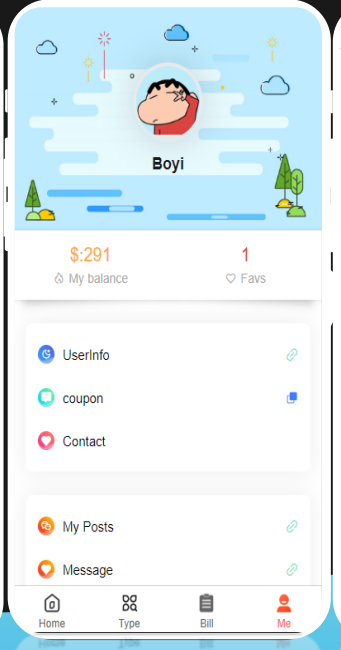
MVP App screenshots

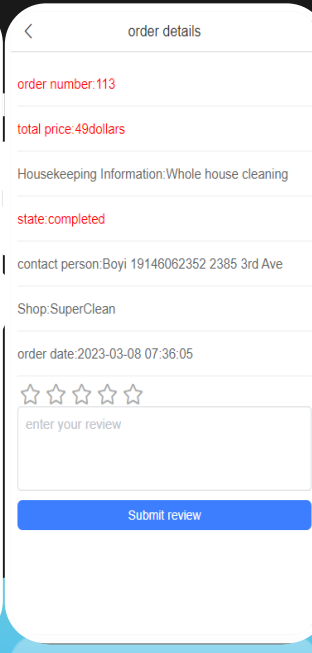




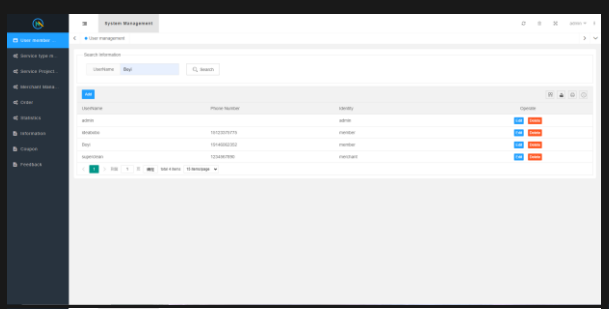


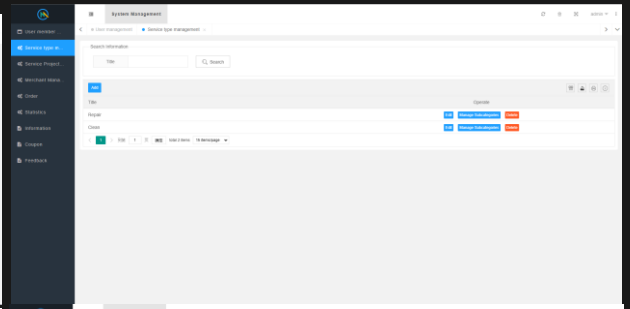


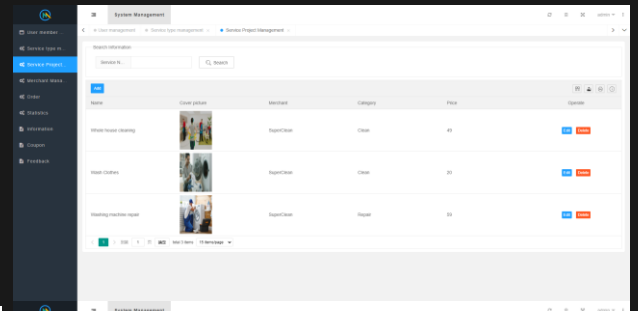


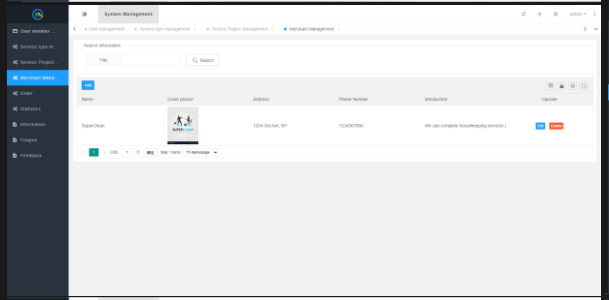


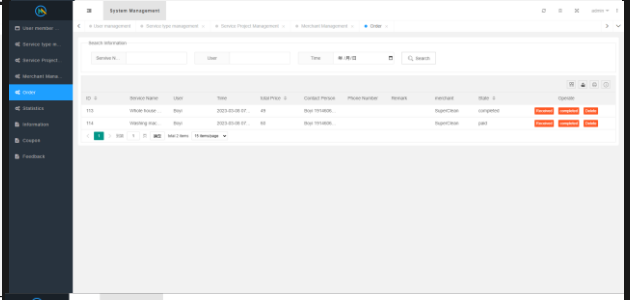
MVP API screenshots

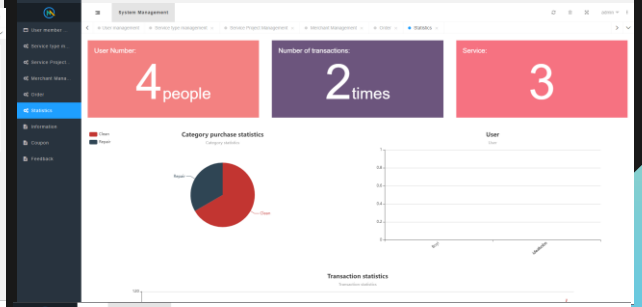


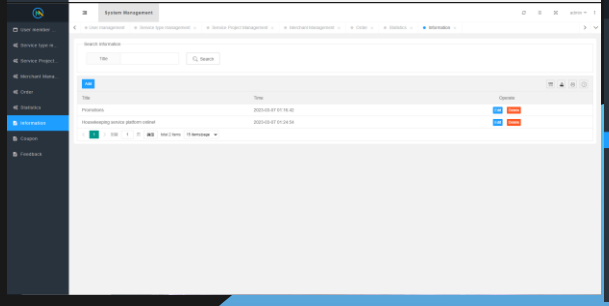


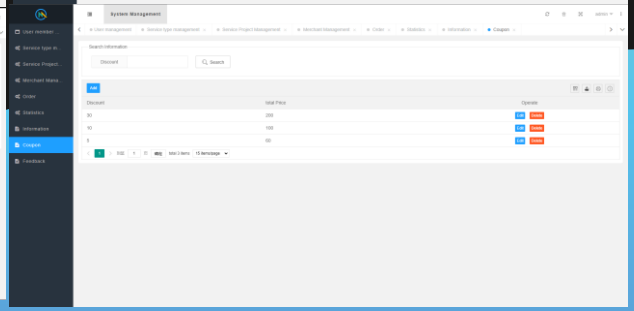


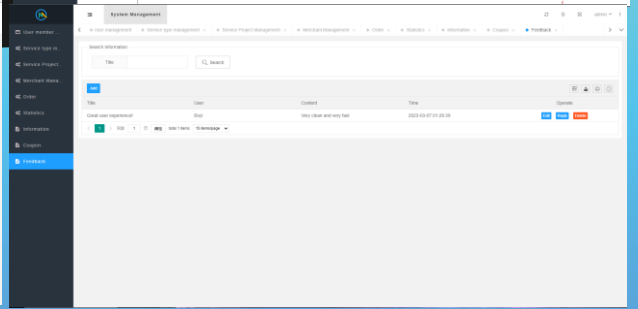












Link

Github: https://github.com/htmw/2023S-bzhang/wiki

MVP Demo video: https://youtu.be/zfEO-UfZSYw