

VIETNAM INTERNATIONAL UNIVERSITY – HO CHI MINH CITY
INTERNATIONAL UNIVERSITY



WEB APPLICATION DEVELOPMENT PROJECT

Ecommerce Project

Members of Group:

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GitHub Link: https://github.com/tieuduong241096/2017S2-WEB_LAB-

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Introduction

This section will bring you the background information of our web product. The abstract description about the product that our team will design. Furthermore, the constraints which will affect our project is also included in this part.

About us

Information	Details
Team members	3 members: Dương , Lâm , Duy
Business	Web Application Development Project: E-Commerce Web
Customer	International University – Viet Nam National University Ho Chi Minh City
Contact	Office: 6 th floor, A Block, International University, Thu Duc, HCMC. Email: Tel:

Objective

- To develop a web application that allows a registered customer to purchase a variety of items by a list of registered shops.
- To provide an easy to use Interface.

Basic Requirements

- Customer
 - Secured registering and managing their profiles.
 - Easy navigation through pages.
 - Secured Payment gateway.
- Shop owner

- Secured registering and managing their profiles.
 - Add, delete or modify the already posted products.
- Administrator
 - Authority to approve and reject requests for new items.
 - Can control customers and shop owners actions.

Project Scope

- *Scope – In*
 - Websites for desktop, which is compatible with IE, Mozilla, Chrome etc.
 - Purchase products available in the website.
- *Scope – Out*
 - Payment Gateways to be linked through APIs.
 - Not compatible for mobile users.
- *Users*
 - Customers
 - Shop owners
 - Administrators

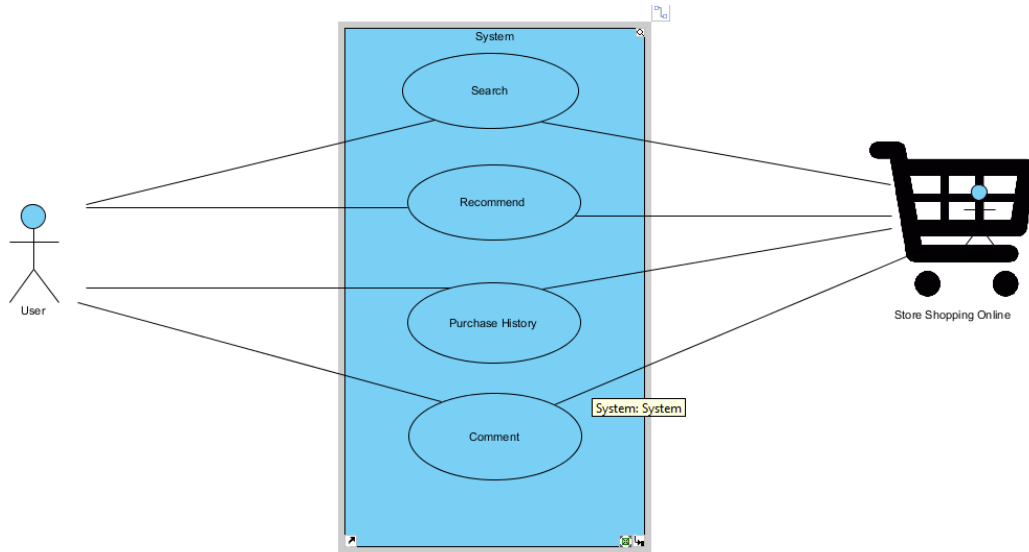
Organization and Roles

Our team includes three members. Each of us have separate missions, responsibilities, and working roles which affect the progress of the project. The roles and every contact information for each members are shown in the following table:

Name	Role	Contact	Email Address
Le Thanh Dai Duong	Leader, Search function, Database creator, Documentation	0972814029	
Ninh The Lam	Developer, History Purchase function, Database creator, Documentation	0967765001	
Vuong Khac Duy	Developer, Recommend Items function, Feed back function, Documentation	0902844839	

User Analysis

Use Case Diagrams



Use Case Description

- *Search Product:*

Name: Search Product

Description: The list of products is showed when the user input the name of products which they want to find.

Identifier UC1

Inputs: Input desired product name

Output: Show all products that have the letters that user typed in

Basic Course

<u>ACTOR(User)</u>	<u>SYSTEM</u>
1.Input Product name	Display the all of products
2.Click on The product	Display the photo and name of product

Precondition: None

Post condition: None

User Story: As a customer, I want to search the products.

- *Purchase History:*

Name: Purchase History

Description: Show the list of purchase information of the user

Identifier: UC2

Inputs: User ID

Output: Information of purchase history

Basic Course

<u>ACTOR(User)</u>	<u>SYSTEM</u>
<u>1.</u> Login	Display login page
<u>2.</u> Input User Name and Password	
<u>3.</u> Submit	<ul style="list-style-type: none">• Check username and password• If true, show the purchase history• Else return to Login

Precondition: Users have to log in with their own account.

Post condition: None.

User story: Customers can check the purchase history in the future.

- *Recommend Items:*

Name: Recommend Items

Description: Show a several items which are in top purchase.

Identifier UC3

Inputs: none

Output: The list of recommend product based on mutual friends interested

Basic Course

<u>ACTOR(User)</u>	<u>SYSTEM</u>
1. Access to home page	<ul style="list-style-type: none">• Show the list of recommend products.

Precondition: None

Post condition: None

User story: The list of recommend products.

- *Feedback:*

Name: Feedback

Description: Show list feedback of customers on each item.

Identifier UC4

Inputs: none

Output: The list of comment of customers on each item.

Basic Course

<u>ACTOR(User)</u>	<u>SYSTEM</u>
1 .Access to home page	<ul style="list-style-type: none">• Show the list of recommend products.
2_ Click on each item	<ul style="list-style-type: none">• Show list feedback on each items

Precondition: None

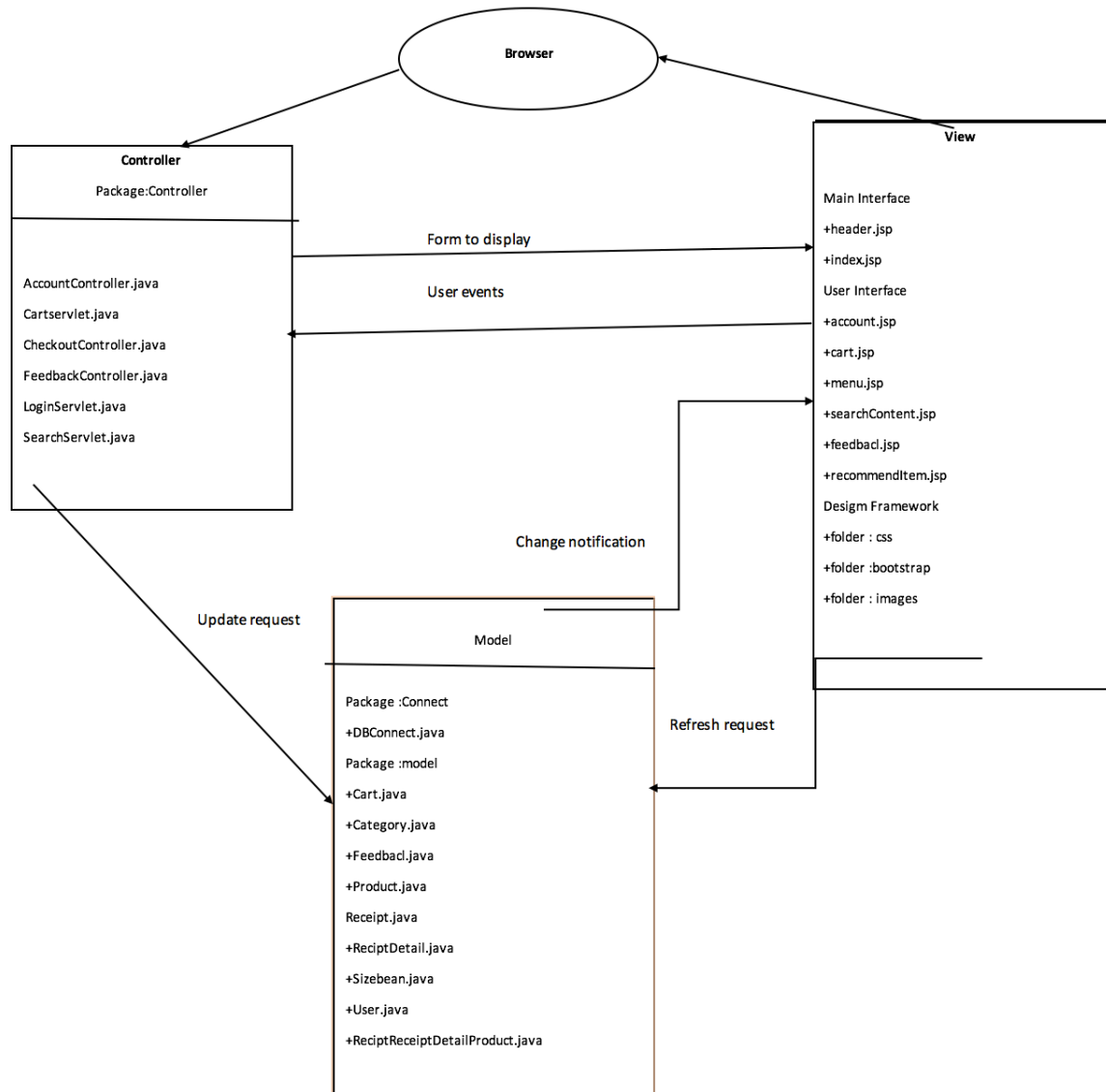
Post condition: None

User story: The list of recommend products.

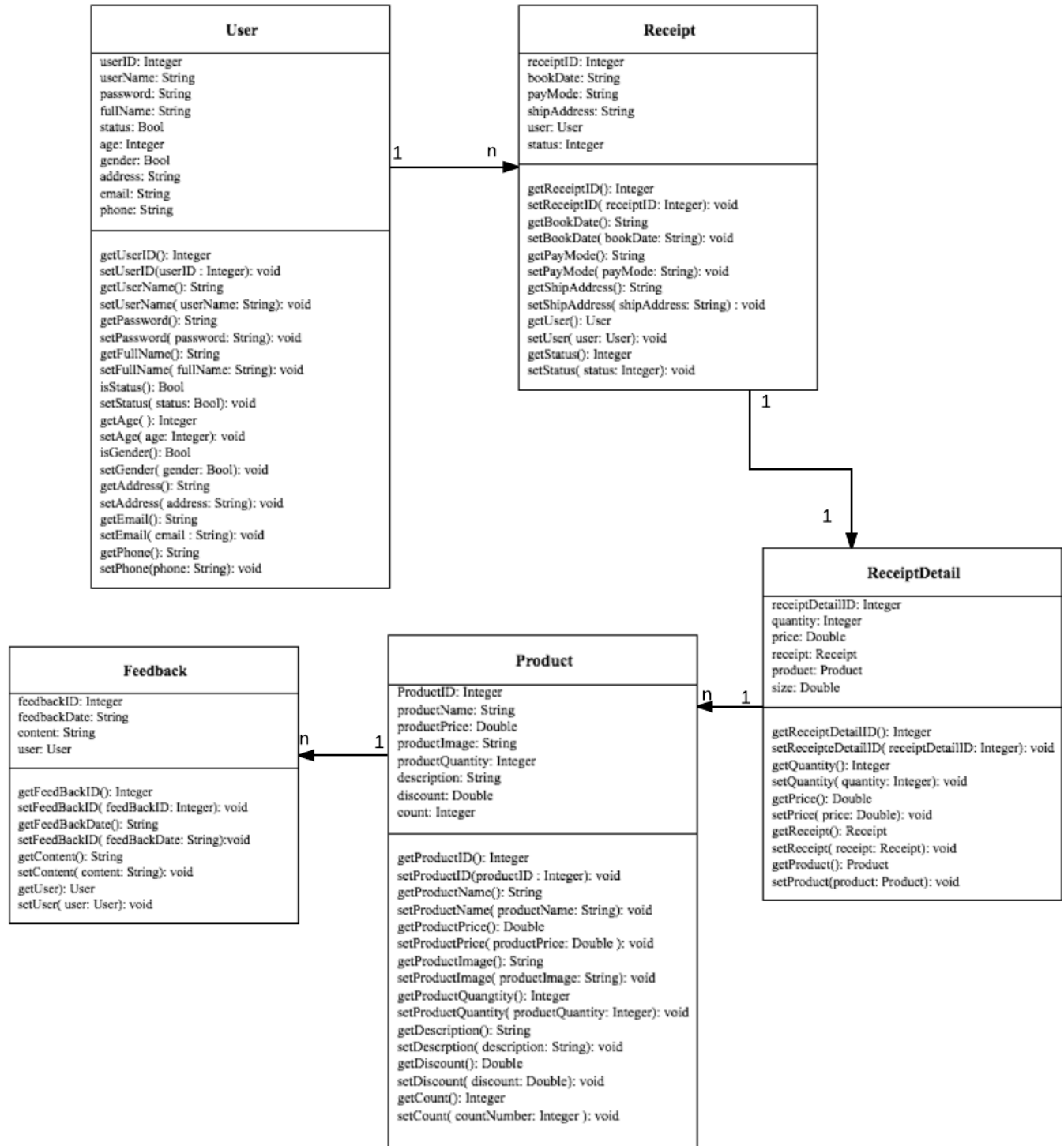
Design

System Architecture

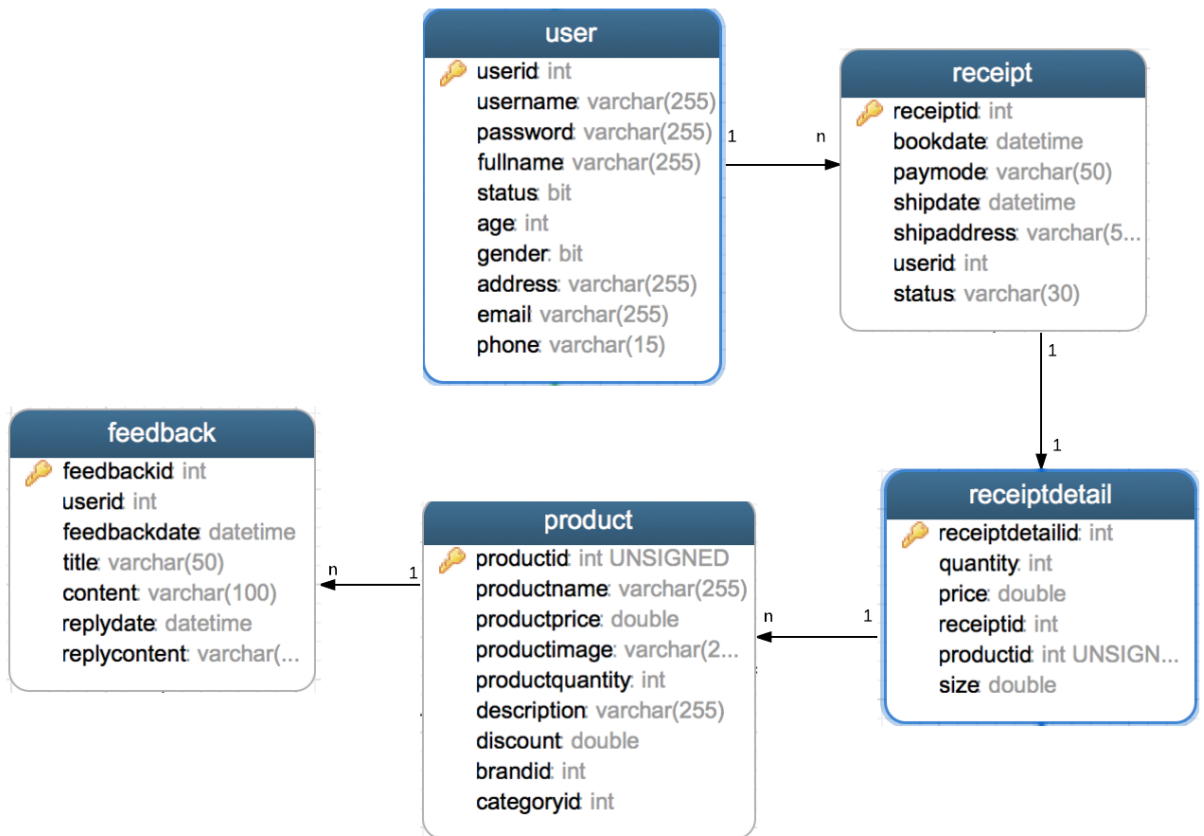
MVC (Model – View – Controller) pattern.



Class Diagram



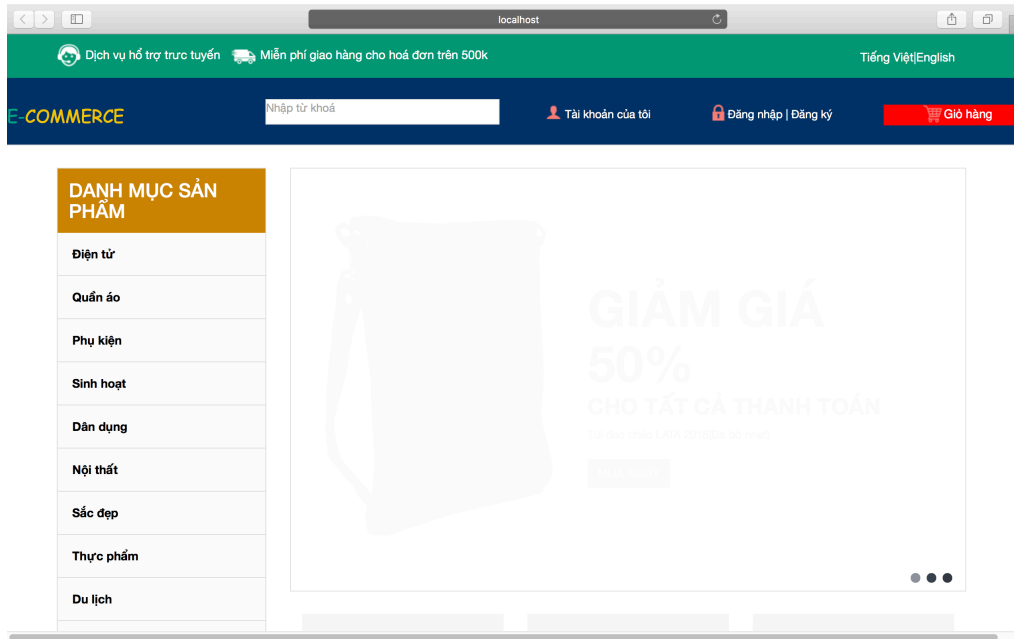
Database Design



User Manual

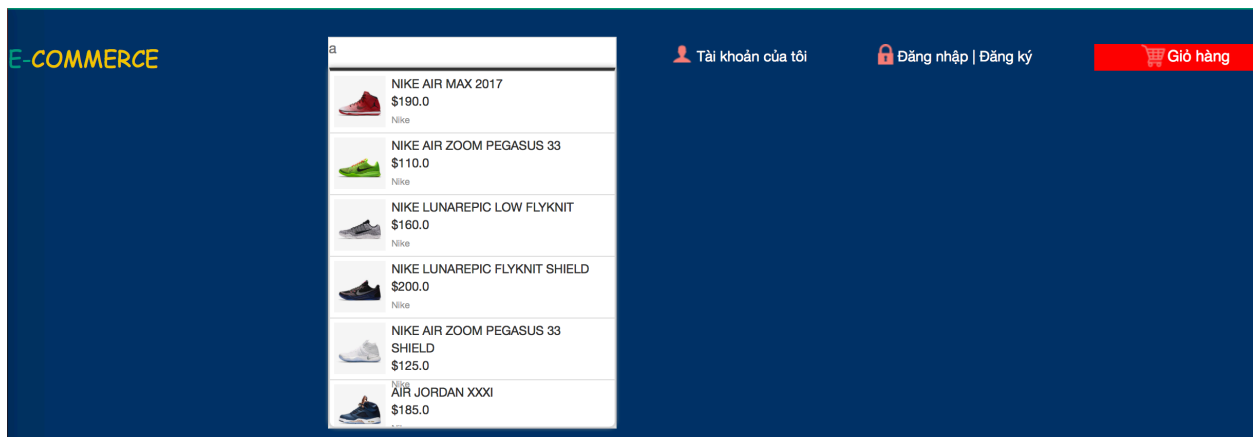
Main Page

The Main Page displays a brief description about our system.



Search Function


Input some keyword that you want to looking for. A list items which have that keyword will appear below the search bar.



Recommend Items

In Home Page, a list of products that are the most purchased from customers.


RECOMMENDED ITEMS



\$190

Nike Air Max 2017


Add to cart



\$130

Nike Free RN Flyknit

Add to cart



\$110

Nike Air Zoom Pegasus 33

Add to cart

History Purchase

If user have bought some items, we will show that list in the information page.

Receipt History

Book Date	Pay Method	Ship Address	Quantity	Price	Size	Product
2017-06-01 09:23:09	Pay after Shipping	tesssssssss	11	190.00	0	Nike Air Max 2017
2017-06-01 09:23:09	Pay after Shipping	tesssssssss	11	160.00	0	Nike LunarEpic Low Flyknit

FeedBack Items

User maybe give some comment on each item.



Nike Air Max 2017

US \$190

 Add to cart

Availability: In Stock

Condition: New

Brand: Nike

3 bình luận

Sắp xếp theo

Hàng đầu ▼



Thêm bình luận...



Lâm Thế · Ho Chi Minh City International University

Checked

Thích · Phản hồi · 13 giờ



Dương Lê · International University (IU-VNU)

Good One

Thích · Phản hồi · 22 Tháng 5 2017 19:02



Vương Khắc Duy

Nice

Thích · Phản hồi · 14 giờ

Development Environment and Technique

- HTML
- CSS
- Javascript
- Servlet
- Github
- GoogleDrive
- Ajax
- Mysql

Conclusion and Future Work

Final Thoughts

As promising as it may be, the project need more time to development overly of we want to deploy it to the public. Since the people's needs vary massively and very hard to handle every possibility, this project just contain enough for a small portion of people.

Future Works:

In the near-future, the project needs first, fixing every mistakes made in the demo version. Optimizing the GUI with synchronization among different sections and parts, reorganize the system's file-management and mapping, naming relation.

THE END.