# Định hướng

* Có một phiên bản winform
* Cần có 1 phiên bản web – cloud
* Cần có các phiên bản mobile

# Công nghệ

* Phiên bản web

HTML, CSS

* Phiên bản mobile

Android, iOS

# Thết kế kiến trúc tổng thể

* Phiên bản web – cloud

Java webservice

Sqlite

Other db

# Backend

Java webservice, cms?, spring , jesey webservice

Customer 1

WEB APP

Customer 2

WEB SERVICE

Sqlite

DB 1

DB 2

MOBILE APP

## DB service

Coffee Web

E valuation Web

Restfull WS

Cloud core

Evaluation core

Coffee core

Spring JDBC

SQLITE connector

DB Cloud

DB coffee

DB evaluation

## Thực thể

|  |  |  |
| --- | --- | --- |
| Thực thể Cloud | Class cloud | Implement |
| Customer  User  Role  Permission | DAOInterface.java  ModalAbstract.java  DAOAbstract.java  SQLiteAbstract.java  ItemInterface.java  WebService.java |  |
| Thực thể Coffe | Class Coffee |  |
| ShopOwner  Shop  Food  Drink  Store  SetTable  Bill | Customer.java  CustomerDAO.java  CustmoerDAOImpl.java  ShopOwner.java  Shop.java  ShopDAO.java  ShopDAOImpl.java  Food.java  FoodDAO.java  FoodDAOImpl.java  Drink.java  DrinkDAO.java  DrinkDAOImpl.java |  |
| Thực thể Evaluation | Class Evaluation |  |
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|  |  |  |
|  |  |  |

## APIS

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| --- | --- | --- | --- |
| Class | APIs | WS |  |
| CustomerDAO |  |  |  |
| ShopDAO |  |  |  |
| FoodDAO |  |  |  |
| DrinkDAO |  |  |  |
| ServiceDAO |  |  |  |
| UserDAO |  |  |  |
|  |  |  |  |

# Frontend

|  |  |  |
| --- | --- | --- |
| Cloud | Page | Functions |
| HTML, CSS, JS (Bootstrap, Jquery, Json) | Login page |  |
|  | Admin page |  |
|  | User management page | * Create page * Privilege page * Profile page |

|  |  |  |
| --- | --- | --- |
| Coffee | Page | Functions |
| HTML, CSS, JS (Bootstrap, Jquery, Json) |  |  |
|  | Home page | * Order page * Payment page * Report page * Print page |
|  | User management page | * Create page * Privilege page * Profile page |
|  | Service management page | * Create Food * Create Drink * Create Service * Import page * Export page |