Conference Lunch Orders

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一．Project Title

Conference Lunch Orders

二．Name for the Website

三 . Project Description

This website is for making a reservation of conference lunch.

We design 2 types of user: normal user and admin user (Making order must be login). For normal user, they can add dishes to cart and put on orders. They can see the order history and edit their personal information. For admin user, they can add new dish and edit dishes. For dishes which stock equal to zero, this dish will be hidden for normal user views.

Furthermore, for detail page, we can search dishes by names and descriptions. Also we achieve dishes class filters for searching result. The searching result show dynamically on page.

All password store in database is encode with MD5 technique.

四 . Database Design

We used MongoDB as database. In sum, we create 4 collections: Cart, Menu, Order, User.

1. Cart

|  |  |
| --- | --- |
| Key | Type |
| \_id | ObjectId |
| username | String |
| items | Object(nested json) |

\_id is generated by MongoDB;

Username is user’s identify attribute(The username is a unique attribute);

Items is a json structure object, it’s nested with dishes which this user added to cart. Besides the basic information with this dish, its quantity also be contained.

{

"\_id" : ObjectId("5ad7e747c9885e4adbd4e093"),

"username" : "Jason",

"items" : {

"5ad0246c8c8d5e3b9afe4fbd" : {

"\_id" : ObjectId("5ad0246c8c8d5e3b9afe4fbd"),

"name" : "tiramisu",

"class" : "Desserts",

"picture" : "../images/tiramisu.jpg",

"price" : 13,

"stock" : "6",

"description" : "Tiramisu is a popular coffee-flavoured Italian dessert. It is made of ladyfingers dipped in coffee, layered with a whipped mixture of eggs, sugar, and mascarpone cheese, flavoured with cocoa.",

"qty" : 2

}

}

}

1. Menu

|  |  |
| --- | --- |
| Key | Value |
| \_id | ObjectId |
| Name | String |
| Class | String |
| Picture | String |
| Price | Int32 |
| Stock | Int32 |
| description | String |

This collection is dishes records.

{

"\_id" : ObjectId("5ad0246c8c8d5e3b9afe4fbd"),

"name" : "tiramisu",

"class" : "Desserts",

"picture" : "../images/tiramisu.jpg",

"price" : "$13",

"stock" : "6",

"description" : "Tiramisu is a popular coffee-flavoured Italian dessert. It is made of ladyfingers dipped in coffee, layered with a whipped mixture of eggs, sugar, and mascarpone cheese, flavoured with cocoa."

}

1. Order

|  |  |
| --- | --- |
| Key | Value |
| \_id | ObjectId |
| Username | String |
| orders | Array |

In orders array, each element is a json object containing the basic information of dishes in one order, also store this order’s total price and time.

﻿{

"\_id" : ObjectId("5adc4e2ec9885e4adbd7a4c1"),

"username" : "Jason",

"orders" : [

{

"items" : {

"5ad0246c8c8d5e3b9afe4fbd" : {

"\_id" : ObjectId("5ad0246c8c8d5e3b9afe4fbd"),

"name" : "tiramisu",

"class" : "Desserts",

"picture" : "../images/tiramisu.jpg",

"price" : 13,

"stock" : "6",

"description" : "Tiramisu is a popular coffee-flavoured Italian dessert. It is made of ladyfingers dipped in coffee, layered with a whipped mixture of eggs, sugar, and mascarpone cheese, flavoured with cocoa.",

"qty" : 2

}

}

"totalprice" : 56,

"time" : "4/22/2018 3:55:27 AM"

}

]

}

1. User

|  |  |
| --- | --- |
| Key | Value |
| \_id | ObjectId |
| Username | String |
| Password(Hashed) | String |
| authority | Int32 |
| name | String |
| phone | String |
| email | String |
| avatar | String |
| address | String |

The value of authority can be 0(normal user) or 1(admin user).

﻿{

"\_id" : ObjectId("5ad7bba74b02ae6f97f77f70"),

"username" : "Jason",

"password" : "e10adc3949ba59abbe56e057f20f883e",

"authority" : 0,

"name" : "Jason Chang",

"phone" : "1452342524",

"email" : "464494933@qq.com",

"avatar" : ""../images/tiramisu.jpg ",

"address" : "800 W Campbell Rd, Richardson, TX 75080

"

}

五 . Framework

MEAN stack: MongoDB + Express + AngularJS + Node.js

六 . Screenshots for main functionalities

七 . Team Members

Zheng Gao(zxg170430)

Tianrou Chang (txc172430)

八．Work division

Zheng Gao: Database design and implement, Cart and order related functions and admin user’s functions.

Tianrou Chang：Front-end design and implement, Searching and filters, user login and signup.