

題目：飲料排名網站

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資料庫架構

1. Table : service ; Attributes : id、name、image、score、description

The screenshot shows the 'Table Name' field set to 'service', 'Schema' to 'b10909022', 'Charset/Collation' to 'utf8mb4', 'Engine' to 'InnoDB', and a 'Comments' section below.

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
id	BIGINT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
name	VARCHAR(100)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
image	VARCHAR(255)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
score	DOUBLE(8,2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'0.00'
description	VARCHAR(500)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
created_at	TIMESTAMP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
updated_at	TIMESTAMP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

Below the table definition, a detailed configuration panel is shown for the 'image' column:

Column Name:	image	Data Type:	VARCHAR(255)
Charset/Collation:	Default Charset	Default:	
Comments:			
Storage:	<input type="radio"/> Virtual <input checked="" type="radio"/> Stored <input type="checkbox"/> Primary Key <input checked="" type="checkbox"/> Not Null <input type="checkbox"/> Unique <input type="checkbox"/> Binary <input type="checkbox"/> Unsigned <input type="checkbox"/> Zero Fill <input type="checkbox"/> Auto Increment <input type="checkbox"/> Generated		

此表格儲存飲料資訊，以id為PK，且每欄都要有值，name儲存飲料名稱，image儲存圖片網址，score設定可接受小數資料，以提供詳細分數，description儲存飲料介紹。

2. Table : user ; Attributes : id、name、sex、email、phonenumer、password

The screenshot shows the 'Table Name' field set to 'user', 'Schema' to 'b10909022', 'Charset/Collation' to 'utf8mb4', 'Engine' to 'InnoDB', and a 'Comments' section below.

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
id	BIGINT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
name	VARCHAR(255)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
sex	VARCHAR(255)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
email	VARCHAR(255)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
phonenumer	VARCHAR(255)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
password	VARCHAR(255)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
created_at	TIMESTAMP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
updated_at	TIMESTAMP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

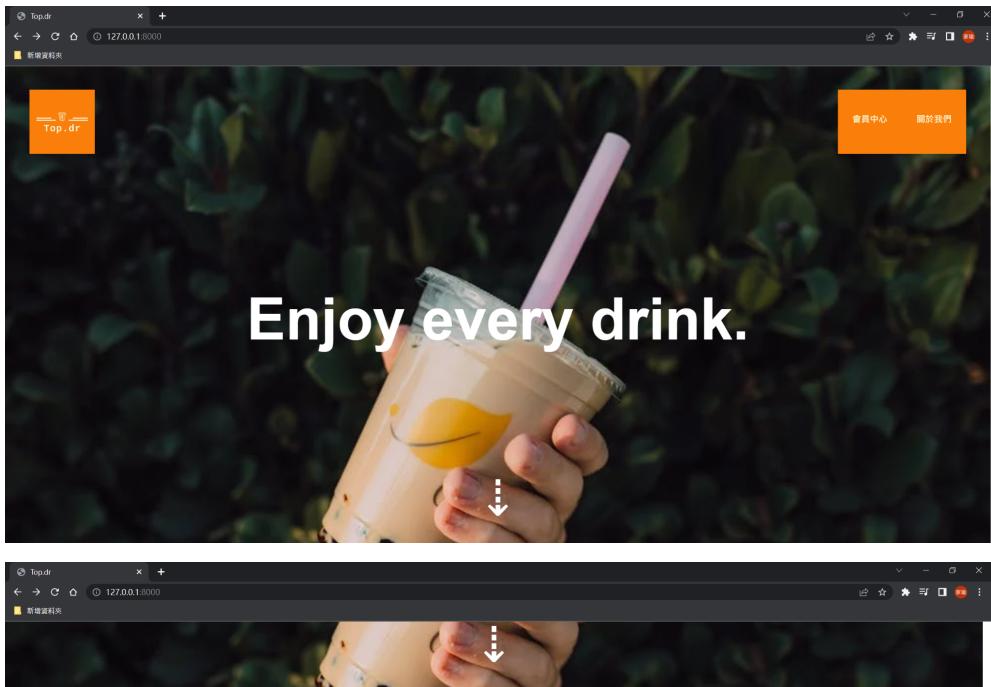
Below the table definition, a detailed configuration panel is shown for a new column:

Column Name:		Data Type:	
Charset/Collation:		Default:	
Comments:			
Storage:	<input type="radio"/> Virtual <input checked="" type="radio"/> Stored <input type="checkbox"/> Primary Key <input type="checkbox"/> Not Null <input type="checkbox"/> Unique <input type="checkbox"/> Binary <input type="checkbox"/> Unsigned <input type="checkbox"/> Zero Fill <input type="checkbox"/> Auto Increment <input type="checkbox"/> Generated		

此表格儲存用戶資訊，以id為PK，且每欄都要有值，name儲存用戶帳號，sex儲存用戶性別，email儲存用戶電子郵件，phonenumer儲存用戶手機號碼，且設為unique，因怕有人故意刷分數，password儲存用戶密碼。

系統說明(CRUD)

1. READ：首頁提供選系統功能選單，以及排名資訊，點擊飲料圖片，即可導向飲料資訊頁面



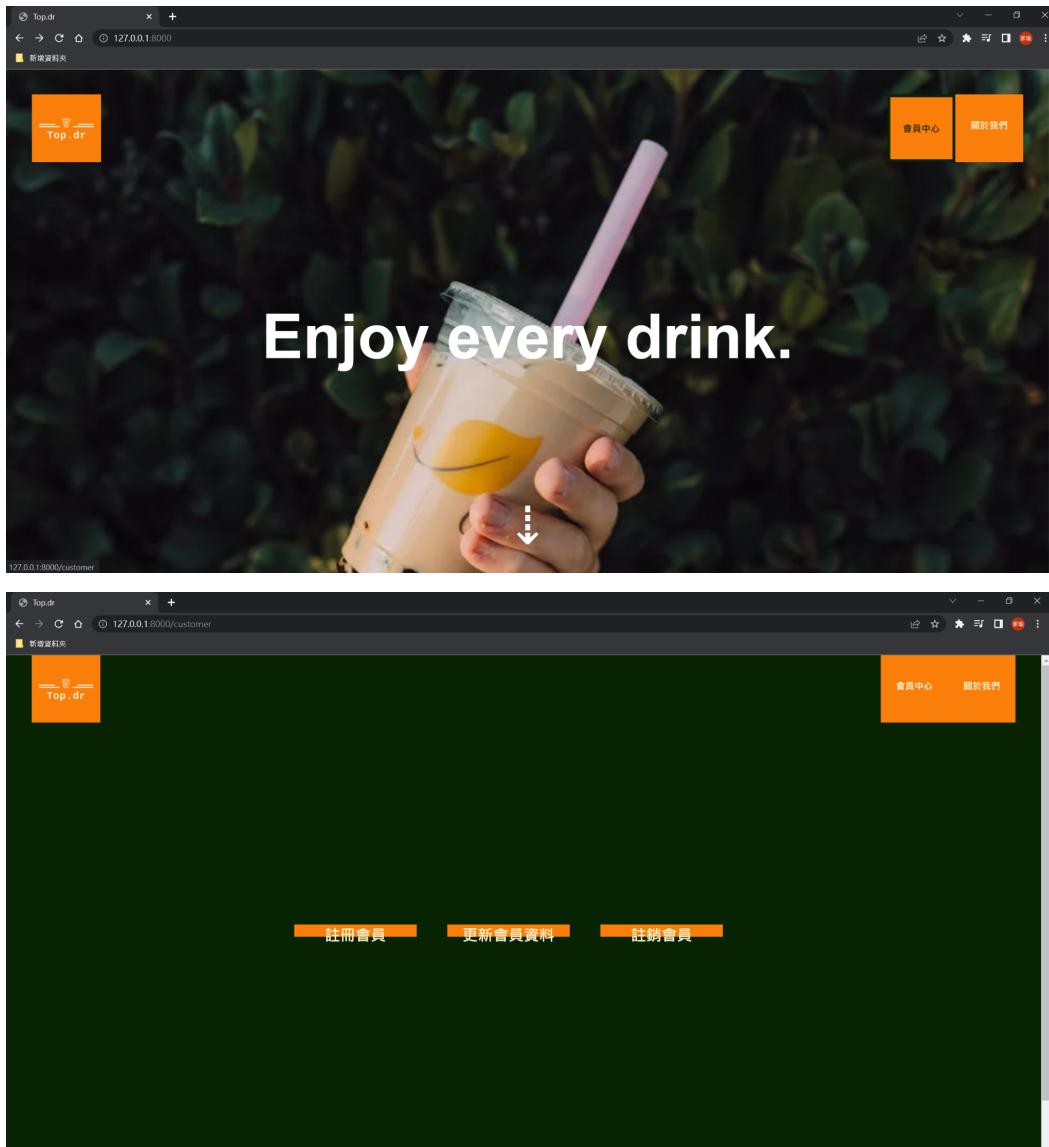
« TOP9 »

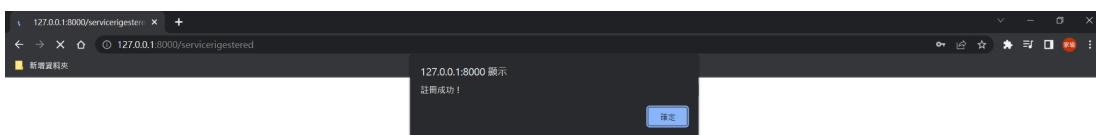
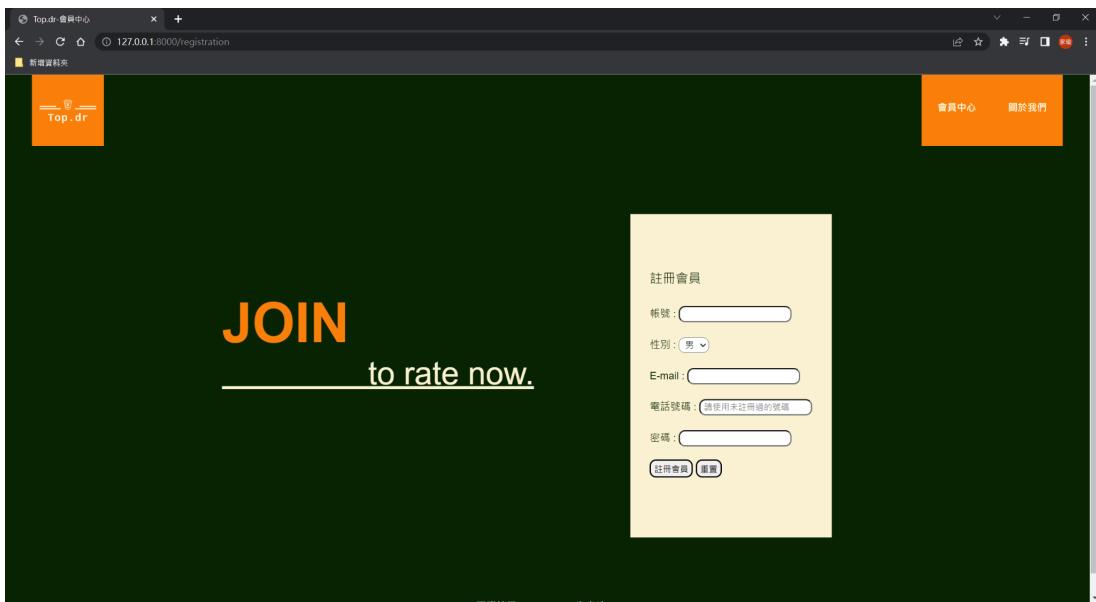
127.0.0.1:8000/no1

DRINK INFO

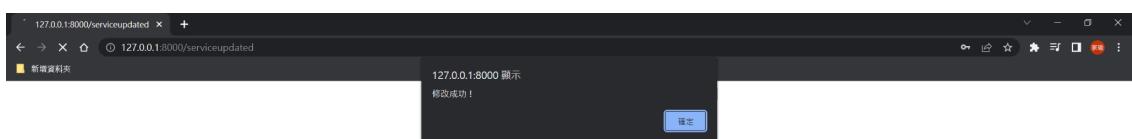
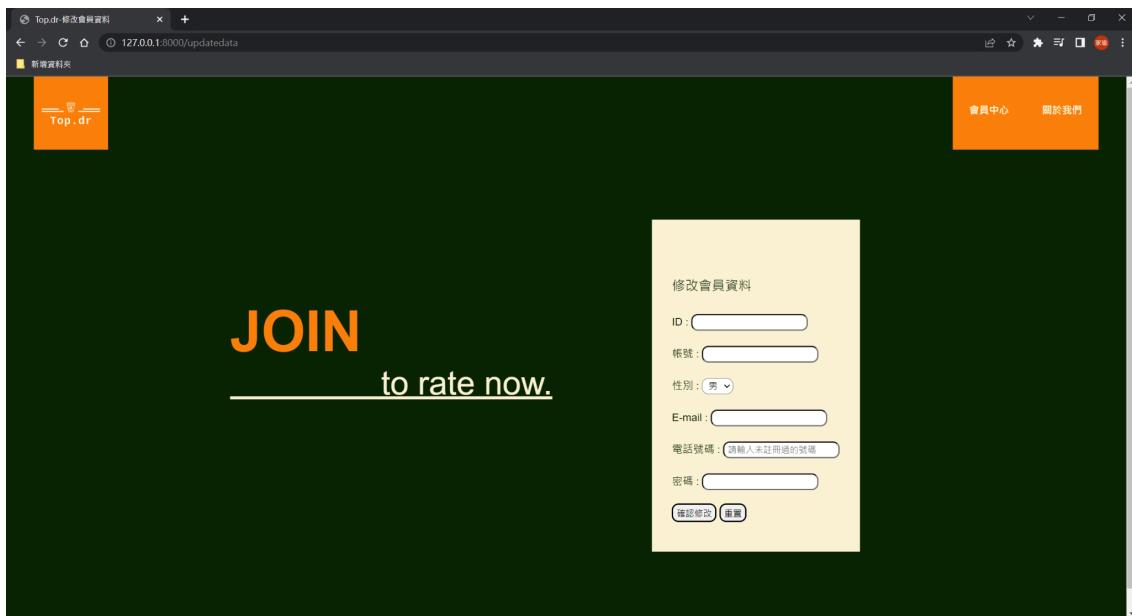
珍珠伯爵紅茶拿鐵
SCORE:5
這客要招牌飲品，使用自家頂級牧草鮮奶調配而成的鮮奶茶，搭配手工熬煮珍珠，軟Q彈牙！

2. CREATE：點擊會員中心，導向會員功能選單頁面，點擊註冊會員，導向會員註冊頁面，提供註冊服務，註冊成功會跳出訊息，將會員資料寫入資料庫，並回到會員功能選單頁面，如果使用已註冊手機號碼則會跳出失敗訊息，並跳回上一頁。

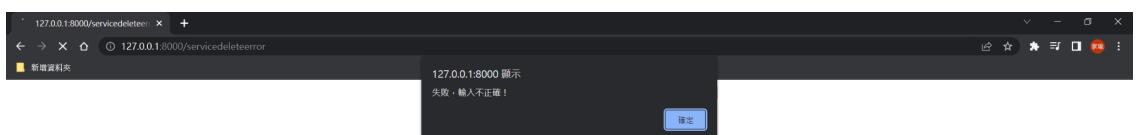
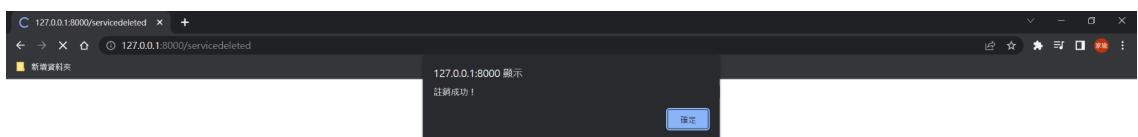
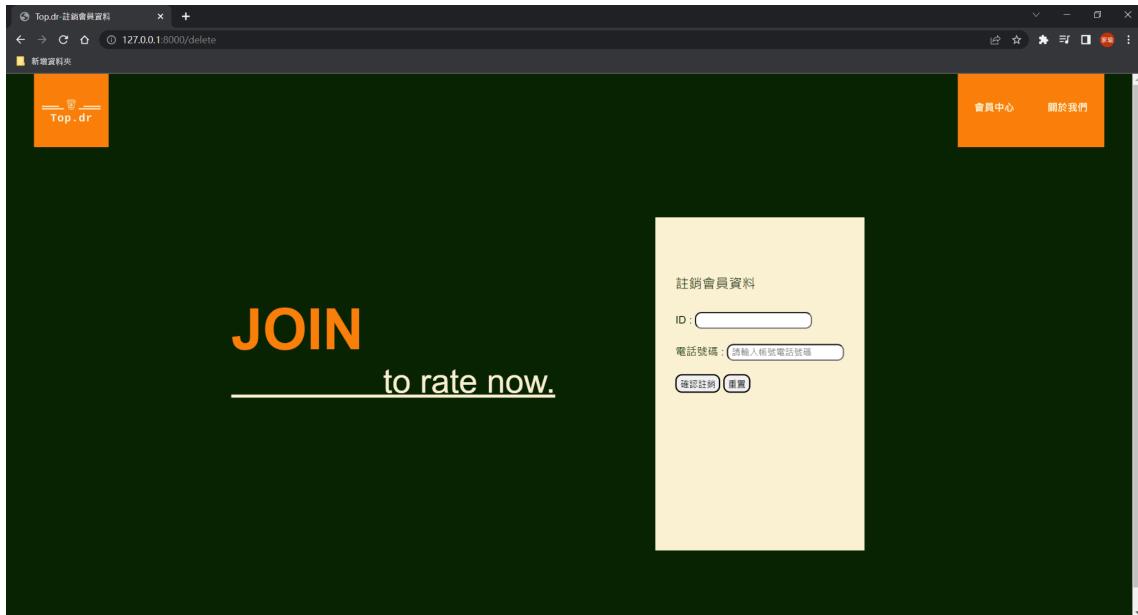




3. UPDATE：在會員功能選單頁面，點擊更新會員資料，導向修改會員資料頁面，輸入欲修改ID，即可修改所有資料，可輸入原本註冊電話號碼，但會驗證電話號碼不可與其他帳號重複，更新成功會跳出訊息，更新資料庫的會員資料，並回到會員功能選單頁面，如果使用已註冊手機號碼則會跳出失敗訊息，並跳回上一頁。



4. DELETE：在會員功能選單頁面，點擊註銷會員，導向註銷會員資料頁面，輸入欲註銷ID及正確帳號電話，即可註銷資料，註銷成功會跳出訊息，刪除資料庫的會員資料，並回到會員功能選單頁面，如果使用已註冊手機號碼則會跳出失敗訊息，並跳回上一頁。



Routing 設定(web.php)

```
<?php

use Illuminate\Support\Facades\Route;
use App\Http\Controllers\ServiceController;

/*
|--------------------------------------------------------------------------
| Web Routes
|--------------------------------------------------------------------------
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great!
|
*/

Route::post('/register',[ServiceController::class,'register']);
Route::post('/change',[ServiceController::class,'change']);
Route::post('/remove',[ServiceController::class,'remove']);

Route::get('/',function () {
    return view('layouts/app');
});
Route::get('/no1',function () {
    return view('layouts/no1');
});

Route::get('/customer',function () {
    return view('user/users');
});
Route::get('/registration',function () {
    return view('user/register');
});
Route::get('/updatedata',function () {
    return view('user/change');
});
Route::get('/delete',function () {
    return view('user/remove');
});

Route::get('/servicerigestered',function () {
    return view('user/success');
});
Route::get('/serviceerror',function () {
    return view('user/check');
});
Route::get('/serviceupdated',function () {
    return view('user/updatesuccess');
});
Route::get('/servicedeleted',function () {
    return view('user/deletesuccess');
});
Route::get('/servicedeleteerror',function () {
    return view('user/deletecheck');
});

Route::get('/aboutus',function () {
    return view('about/aboutus');
});
```

Controller設定(Http/Controller/ServiceController.php)

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use Illuminate\Support\Facades\DB;

class ServiceController extends Controller
{

    public function register(Request $request){
        $user = DB::table('user')->where('phonenumber',$request->input('phone'))->first();
        if($user !== null){
            return redirect("/serviceerror");
        }
        DB::table('user')->insert([
            'name' => $request->input('name'),
            'sex' => $request->input('sex'),
            'email' =>$request->input('email'),
            'phonenumber' =>$request->input('phone'),
            'password' =>$request->input('pw'),
        ]);
        return redirect("/servicerigestered");//回到route
    }

    public function change(Request $request){
        $user = DB::table('user')->where('id',$request->input('id'))->value('phonenumber');
        $user2 = DB::table('user')->where('phonenumber',$request->input('phone'))->value('phonenumber');
        if($user2 !== null){
            if($user !== $user2){
                return redirect("/serviceerror");
            }
        }
        DB::table('user')->where(['id'=>$request->input('id')])->update([
            'name' =>$request->input('name'),
            'sex' => $request->input('sex'),
            'email' =>$request->input('email'),
            'phonenumber' =>$request->input('phone'),
            'password' =>$request->input('pw'),
        ]);
        return redirect("/serviceupdated");
    }

    public function remove(Request $request){
        $user = DB::table('user')->where('id',$request->input('id'))->value('phonenumber');
        $user2 = DB::table('user')->where('phonenumber',$request->input('phone'))->value('phonenumber');
        $user3 = DB::table('user')->where('phonenumber',$request->input('phone'))->first();
        if($user3 == null){
            return redirect("/servicedeleteerror");
        }else{
            if($user2 !== $user){
                return redirect("/servicedeleteerror");
            }
        }
        DB::table('user')->delete(['id'=>$request->input('id')]);
        return redirect("/servicedeleted");
    }
}
```

Migrations

1. create_service_table.php

```
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('service', function (Blueprint $table) {
            $table->id();
            $table->string('name',100);
            $table->string('image');
            $table->float('score')->default(0);
            $table->string('description',500);
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('service');
    }
};
```

2. create_user_table.php

```
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('user', function (Blueprint $table) {
            $table->id();
            $table->string('name');
            $table->string('sex');
            $table->string('email');
            $table->string('phonenumber')->unique();
            $table->string('password');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('user');
    }
};
```

Views

1. 首頁

名稱	狀態
app.blade.php	✓
css.blade.php	✓
footer.blade.php	✓
js.blade.php	✓
meta.blade.php	✓
nav.blade.php	✓
no1.blade.php	✓

```
no1.blade.php
<head>
  <style type="text/css">
    html,head,body,header,nav,li,section,main,div,h3{
      margin: 0;
    }
    body{
      background: #082302;
      color: #fa7e0a;
    }
    main div{
      padding-top: 30px;
      width: 30%;
      margin: 0 auto;
    }
  </style>
</head>
<body>
  <main>
    <div>
      <center><h1>DRINK INFO</h1>

      <?php
      $DB::connection('mysql');
      $service=$DB::select('select*from service where id =?',[1]);
      foreach ($service as $service) {
        // code...
        echo "<img src='".$service->image.">";
        echo "<h2>".$service->name."</h2>";

        echo "<h4>SCORE:".$service->score."</h4>";
        echo "<p>".$service->description."</p>";
      }

      ?></center></div></main>
    </body>
```

2. 會員

website class > B10909022 > resources > views > user	
名稱	狀態
change.blade.php	✓
check.blade.php	✓
css.blade.php	✓
deletecheck.blade.php	✓
deletesuccess.blade.php	✓
footer.blade.php	✓
meta.blade.php	✓
nav.blade.php	✓
register.blade.php	✓
remove.blade.php	✓
removenav.blade.php	✓
success.blade.php	✓
updatenav.blade.php	✓
updatesuccess.blade.php	✓
users.blade.php	✓

check.blade.php	x
<pre><?php echo ("<script> alert('失敗， 電話已被註冊！');history.back()</script>"); ?></pre>	

success.blade.php	x
<pre><?php echo ("<script> alert('註冊成功！');location='http://127.0.0.1:8000/ customer'</script>"); ?></pre>	