**Python Full Stack Project**

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A **“Niv Restaurant”** decided to open an online delivery service. For this purpose, the development of a management system was required, deliveries and order website for customers.

We built a restaurant website that allows guests to register after registering with personal details and logging in with username and password, customers will be able to choose from a list of dishes and order delivery.

At the same time, a back office site (management panel) will be provided to which administrator accounts will be connected. The panel will allow viewing

In active deliveries and marking deliveries that have been made. In addition, managers will be able to manage the dishes and categories

that are offered on the site.

**Models**

**Category**

Id - primary key

Name - CharField

Image - TextField

**Dish**

Id - primary key

Name - CharField

Price - PositiveIntegerField

Description - TextField

Image - TextField

Is\_gluten\_free - BooleanField

Is\_vegeterian - BooleanField

Category\_id - ForeignKey(Category)

**User**

Id - primary Key

Username - CharField

Password - CharField

First\_name - CharField

Last\_name - CharField

Is\_staff - BooleanField

Email - EmailField

**Delivery**

Order\_id - OneToOneField(Cart)

Is\_delivered - BooleanField

Address - CharField

Comment - TextField

Created - DateTimeField

**Cart**

Id - primary Key

User\_id - ForeignKey(User)

**Items**

Id - primary Key

Dish\_id - ForeignKey(Dish)

Cart\_id - ForeignKey(Cart)

Amount - PositiveIntegerField

**Templates**

**Main.html** - Main screen of the restaurant with logo and user and administrator login and registration button.

**Signup.htm**l - Customer and manager registration screen.

**Login.html** - Client login screen.

**Login\_manager.html** - Administrator login screen.

**Edit\_user.html** - A screen with a form for editing user details.

**User\_info.html** - Screen with user details.

**Categories.html** - A screen with the restaurant's categories menu

**Category.html** - A screen with an extension on a certain category in the restaurant.

**Show\_cart.html** - A screen with details of the current purchase in the shopping cart.

**Show\_carts\_history.html -** A screen with details of the shopping cart history and purchases made in the past.

**Before\_delivery.html** - A screen with a shipping details form.

**Delivery\_details.html** - Screen with shipping details.

**Delivers\_not\_deliver\_yet.html** - A screen with delivery details that have not yet been sent to the customer.

**Deliveries\_history.html** - A screen with shipping details that have already been sent to customers.

**Manager\_categories.html** - A screen with category details in the menu with an option to edit and delete a category.

**Add\_category.html** - A screen with a form to add a category to the menu.

**Edit\_category.html** - A screen with a form for editing a category in the menu.

**Manager\_dishes.html** - A screen with dish details from the menu with an option to edit and delete a dish.

**Add\_dish.html** - Screen with a form for adding a dish to the menu.

**Edit\_dish.html** - A screen with a form for editing a dish in the menu.

**Order\_and\_delivery.html** - A screen with details of an existing order and delivery details.

**Routes**

| **Route** | **Method** | **Description** |
| --- | --- | --- |
| / | GET | Display main.html |
| /user/login | GET | Display login.html |
| /user/login | POST | Performs a user login. |
| /user/signup | GET | Display signup.html |
| /user/signup | POST | Performs a signup. |
| /user/logout | GET | Performs a logout. |
| /user/change\_details | GET | Display edit\_user.html |
| /user/change\_details | POST | Performs a user edit details. |
| /user/user\_info | GET | Display user\_info.html |
| /manager/login | GET | Display login\_manager.html |
| /manager/login | POST | Performs a manager user login. |
| /manager/deliveries | GET | Display delivers\_not\_deliver\_yet.html |
| /manager/deliveries\_history | GET | Display deliveries\_history.html |
| /manager/delivery\_and\_order/<int:id> | GET | Display order\_and\_delivery.html |
| /manager/is\_delivered/<int:id> | GET | Performs a delivery. |
| /manager/add\_category | GET | Display add\_category.html |
| /manager/add\_category | POST | Performs a category add. |
| /manager/categories | GET | Display manager\_categories.html |
| /manager/edit\_category/<int:id> | GET | Display edit\_category.html |
| /manager/edit\_category/<int:id> | POST | Edit a category. |
| /manager/delete\_category/<int:id> | POST | Delete a category. |
| /manager/dishes | GET | Display a manager\_dishes.html |
| /manager/add\_dish | GET | Display add\_dish.html |
| /manager/add\_dish | POST | Performs add a new dish. |
| /manager/edit\_dish/<int:id> | GET | Display edit\_dish.html |
| /manager/edit\_dish/<int:id> | POST | Edit a dish. |
| /manager/delete\_dish/<int:id> | POST | Delete a dish. |
| /dish/<int:id> | POST | Add dish to cart. |
| /delivery | GET | Display before\_delivery.html |
| /delivery | POST | Perform a delivery. |
| /delivery/details | GET | Display delivery\_details.html |
| /categories | GET | Display categories.html |
| /categories/<str:category\_name> | GET | Display category.html |
| /cart/current | GET | Display show\_cart.html |
| /cart/history | GET | Display show\_carts\_history.html |
| /cart/new | GET | Perform new cart. |
| /cart/remove/<int:id> | POST | Remove item from cart. |