

- Description

Name		
Jia Yi Jian's Recipe Information System		
Introduction		
This recipe information system is designed for university students. For students who don't have a car, it's not easy to get foods from super market anytime. Hence, they decide what to cook based on foods left in their refrigerator. This recipe information system shares recipe list which categorized by the ingredients. In addition to recipe information, I also match beverages to recipes because students like to drink beverages when eating meals.		
Intended User Communities		
Regular Users	University Students	
Administrative Users	systemadmin	System Super User
	ri_recipe_developer	Develop more recipes to share on the system
	ri_beverage_developer	Develop more beverages to share on the system
	ri_dessert_developer	Develop more desserts to share on the system

- Authentication and Permission

Description				
Systemadmin	This admin account will assign to myself. This account can view, add, change, and delete any content in any table.			
ri_recipe_developer	This will assign to recipe development team only. This group is responsible for adding new recipes in the system, and define the recipe type for those new recipes. So this account can access any recipe related information.			
ri_beverage_developer	This will assign to beverage development team only. This group is responsible for adding new beverages in the system, and define the suitable beverage for existing recipes. This group can access any beverage related information.			
ri_dessert_developer	This will assign to dessert development team only. This group is responsible for adding new desserts in the system. This group can access any beverage related information.			
Detail of Each Group				
Permission/Group	Superuser (Default in Django, not a group here in my system)	ri_recipe_developer	ri_beverage_developer	ri_dessert_developer
Ingredient Categories				
View	X	X	X	X
Add	X	X		
Change	X			
Delete	X			
Recipe Ingredients				
View	X	X	X	X
Add	X	X	X	X
Change	X			
Delete	X			
Recipe Types				

View	X	X	X	X
Add	X	X		
Change	X			
Delete	X			
Desserts				
View	X	X	X	X
Add	X			X
Change	X			X
Delete	X			X
Beverages				
View	X	X	X	X
Add	X		X	
Change	X		X	
Delete	X		X	
Recipes				
View	X	X	X	X
Add	X	X		
Change	X	X		
Delete	X	X		
Recipe_Ingredient				
View	X	X		
Add	X	X		
Change	X	X		
Delete	X	X		
Beverage_Ingredient				
View	X		X	
Add	X		X	
Change	X		X	
Delete	X		X	
Dessert_Ingredient				
View	X			X
Add	X			X
Change	X			X
Delete	X			X

- User IDs and Passwords

Description							
Systemadmin	This user is the owner of Jia Yi Jian's Recipe Information System. This user is the only one who have fully access to view, add, change, and delete data in the system. Other users need to ask Systemadmin to change or delete data in the system.						
Recipe_Developer	This user belongs to group "ri_recipe_developer" which have fully access to "recipe" and "recipe_ingredient". This user can only view or add other tables.						
Beverage_Developer	This user belongs to group "ri_beverage_developer" which have fully access to "beverage" and "beverage_ingredient". This user can only view or add other tables.						
Dessert_Developer	This user belongs to group "ri_dessert_developer" which have fully access to "dessert" and "dessert_ingredient". This user can only view or add other tables.						
Website_User	This user can only view data in the system. This user cannot add, change, or delete any data.						
Username/Group	Password	Active	Staff	Superuser	ri_recipe_developer	ri_beverage_developer	ri_dessert_developer
Systemadmin	(secret)	X	X	X	X	X	X
Recipe_Developer	(secret)	X	X		X		
Beverage_Developer	(secret)	X	X			X	
Dessert_Developer	(secret)	X	X				X
Website_User	(secret)	X					

- Test Instructions

Content/User ID	Recipe_Developer
CATEGORIES	⇒ Click on category list to view category detail. You can see ingredients under this category. Then you might want to click on each ingredient to access further information. ⇒ Create new category for ingredient.
INGREDIENTS	⇒ Click on ingredient list to view ingredient detail. You can see further information about the ingredient. ⇒ Create new ingredient.
RECIPE TYPES	⇒ Click on recipe type list to view recipe type detail. ⇒ Create new recipe type.
DESSERTS	⇒ Click on dessert list to view dessert detail.
BEVERAGES	⇒ Click on beverage list to view beverage detail.
RECIPES	⇒ Click on recipe list to view recipe detail. Then you can Delete or edit recipe detail. ⇒ Back to previous page and create new recipe by clicking "CREATE NEW RECIPE"
	Beverage_Developer
CATEGORIES	⇒ Click on category list to view category detail. You can see ingredients under this category. Then you might want to click on each ingredient to access further information.
INGREDIENTS	⇒ Click on ingredient list to view ingredient detail. You can see further information about the ingredient. ⇒ Create new ingredient.

RECIPE TYPES	⇒ Click on recipe type list to view recipe type detail
DESSERTS	⇒ Click on dessert list to view dessert detail.
BEVERAGES	⇒ Click on beverage list to view beverage detail. ⇒ Create new beverage. Then you might want to edit or delete that beverage.
RECIPES	⇒ Click on recipe list to view recipe detail.
Dessert_Developer	
CATEGORIES	⇒ Click on category list to view category detail. Then you might want to click on each ingredient to access further information.
INGREDIENTS	⇒ Click on ingredient list to view ingredient detail. You can see further information about the ingredient. ⇒ Create new ingredient.
RECIPE TYPES	⇒ Click on recipe type list to view recipe type detail
DESSERTS	⇒ Click on dessert list to view dessert detail. You can see further information about the dessert. ⇒ Try edit or delete the dessert. ⇒ Back to precious page and create new dessert.
BEVERAGES	⇒ Click on beverage list to view beverage detail.
RECIPES	⇒ Click on recipe list to view recipe detail.
Website_User	
CATEGORIES	⇒ Click on category list to view category detail. Then you might want to click on each ingredient to access further information.
INGREDIENTS	⇒ Click on ingredient list to view ingredient detail. Then you might want to click on each ingredient to access further information. ⇒ You can link to recipe that contain that ingredient.
RECIPE TYPES	⇒ Click on recipe type list to view detail. Then you might want to click on each recipe to access further information. ⇒ You can link to ingredient that contained in that recipe. ⇒ You can also access suitable beverage of that recipe.
DESSERTS	⇒ Click on dessert list to view dessert detail. You can see further information about the dessert. ⇒ You can see that dessert is suitable to eat after eating some recipes.
BEVERAGES	⇒ Click on beverage list to view beverage detail. ⇒ You can see ingredient of the beverage. ⇒ You can see the beverage is suitable to drink when eating specific recipe.
RECIPES	⇒ Click on recipe list to view recipe detail. ⇒ You can see ingredient of the recipe and its suitable beverage as well.

- Other Information:

- A. If you access recipe detail you will see “Vegetarian? True/False”. I use the following code to identify if the recipe is vegetarian or not. If all ingredients included in that recipe are vegetarian, then it’s true. Otherwise, it’s False.

```
def get(self, request, pk):
    recipe = get_object_or_404(Recipe, pk=pk)
    # recipe_ingredients is a related name of Recipe_Ingredients
```

```
defined in model.py
recipe_ingredient_list = recipe.recipe_ingredients.all()
is_vegetarian = True
for ri in recipe_ingredient_list:
    if ri.ingredient.is_vegetarian == False:
        is_vegetarian = False
```

- B. In order to provide sufficient data in database, some data are randomly generated.
- C. I am interested in cooking so I will keep working on this “Jia Yi Jian’s Recipe Information System” in the future. I plan to add the steps of cooking the recipe and also put some images inside to make it more useful.
- D. I commit all my works on Github. Please refer to the URL: <https://github.com/jyjian2/clog>