

Menu Planner Project

Use Cases

Use Case: Create Weekly Menu Plan

Precondition: Customer is registered and logged in to the system. Customer does not have any menu plan for the intended week. Menu combination rules are entered in the system by nutritionist. Customers profile is recorded.

Postcondition: A new weekly menu plan is created and recorded for the Customer. Restaurant are informed about the menu plan.

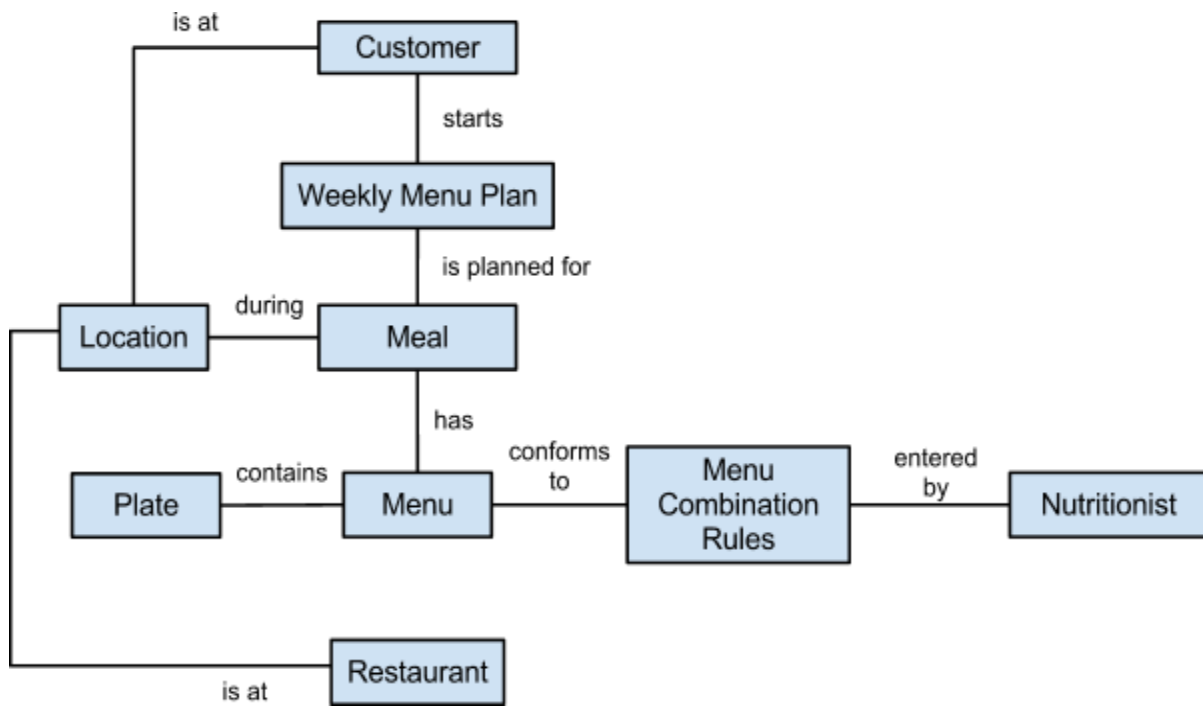
Main Success Scenario:

1. Customer starts a new weekly menu plan.
2. System asks the customer to choose a week.
3. Customer chooses the week for his new menu plan.
- Customer repeats steps 4-6 until the menu plan is completed.
4. Customer enters the location info that he will be at during the meal (breakfast, lunch or dinner) in that week.
5. System searches restaurants for the location info.
6. System chooses the most suitable plates for the menu which conforms to menu combination rules and customer profile.
7. System records the weekly location information and presents a weekly menu plan.
8. Customer approves the menu plan.
9. System records the menu plan and informs the related restaurants.

Extensions (alternative flows):

- 3.a. There is already a menu plan for this week.
 - 3.a.1. System asks the customer if he wants to update this plan.
 - 3.a.2.a. Customer approves to update.
 - 3.a.2.a.1. UPDATE USE CASE
 - 3.a.2.b Customer declines to update.
 - 3.a.2.b.1. System asks the customer to choose another week.

Domain Model for “Use Case: Create Weekly Menu Plan”



Use case: Add Plate

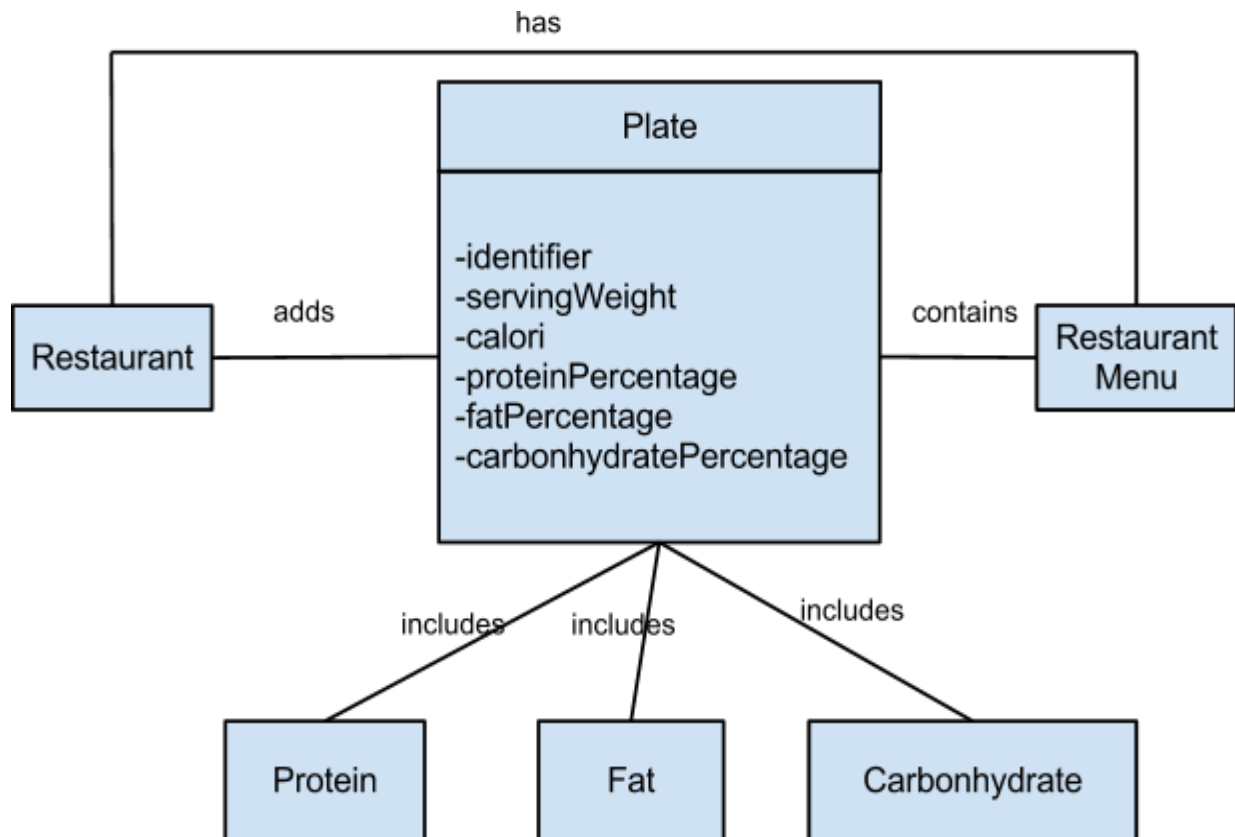
Pre condition: Restaurant has logged in.

Post Condition: A new plate is added to the restaurant menu.

Main success scenario:

1. Restaurant starts a new plate addition process.
2. System requests the plate identifier and the nutritional values (fat, protein, carbonhydrates) as percentage of the new plate.
3. Restaurant enters the plate identifier and the nutritional values for the new plate.
4. System asks the weight (in grams) of one serving of the plate.
5. Restaurants enters the weight of one serving of the plate.
6. System presents the plate information with nutritional values calculated and asks for confirmation.
7. Restaurant confirms the plate information.
8. System records the plate information to the restaurant menu.

Domain Model for “Use Case: Add Plate”



Use case: Create Customer Profile

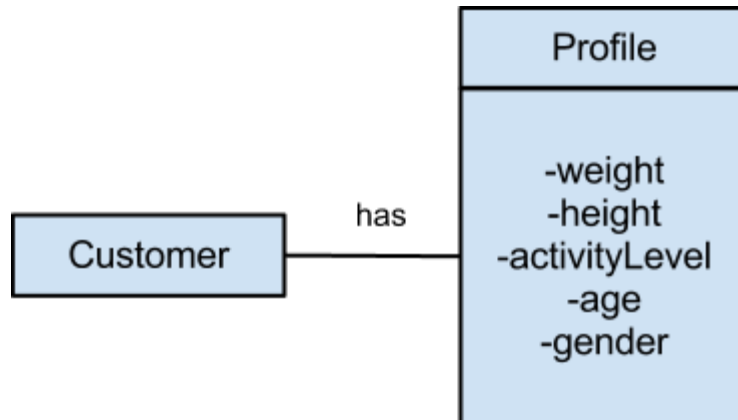
Pre condition: Customer has logged in.

Post Condition: A new customer profile is created.

Main success scenario:

1. Customer starts a new profile creation process.
2. System requests the customer information (weight, age, height, gender, activity level).
3. Customer enters the required information.
4. System presents the customer profile information .
5. Customer confirms the profile information.
8. System records the profile information.

Domain Model for “Use Case: Create Customer Profile”



Use case: Add Menu Combination Rule

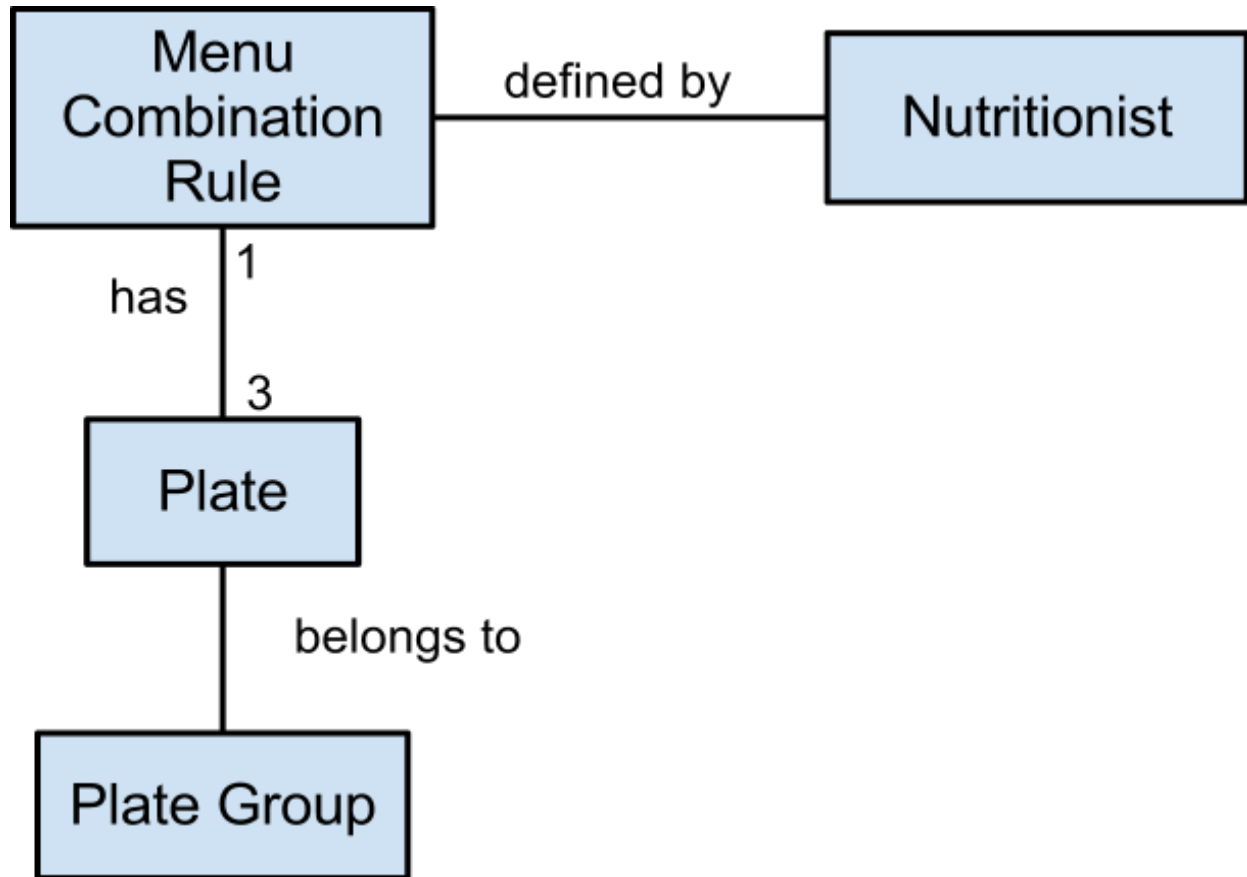
Pre condition: Nutritionist has logged in. Plate groups are entered in the system.

Post Condition: A new combination is created and recorded.

Main success scenario:

1. Nutritionist starts a new menu combination definition process.
 2. System asks the nutritionist to choose the group name for the first plate.
 3. Nutritionist chooses a group name.
 4. System asks the nutritionist to choose the group name for the second plate.
 5. Nutritionist chooses a group name.
 6. System asks the nutritionist to choose the group name for the third plate.
 7. Nutritionist chooses a group name.
- Nutritionist repeats steps 6-7 until all of the third plate options suitable for the first and second plates are entered.
- Nutritionist repeats steps 4-5 until all of the second plate options suitable for the first plate are entered.
8. System presents the combination .
 9. Nutritionist confirms the combination.
 10. System records the combination.

Domain Model for “Use Case: Add Menu Combination Rule”



Unified Domain Model

