

Group 6 Project: Food Planner/Advisor

Textual description:

From a user perspective, Food Planner/Advisor is an application that facilitates daily/weekly meal planning. The user will select ingredients and recipes and the system will generate a daily meal plan for the user on the span of a few days to a week, by suggesting recipes for each meal using the ingredients registered by the user in the system. Admins will have the authority to change any data in the system. While user authority is limited.

The first release of the food planner application will have six main entities, which are user, admin, ingredients, recipes, weeklyPlan and feedback.

- The user entity will store the userId, name, password, email.
- The admin stores adminId, name and password attribute.
- The ingredient entity stores ingredientId, name and nutritionalValues.
- The recipe entity stores a recipeId, name, a list of ingredientIds, nutritionalValue and description.
- The weeklyPlan entity stores subentities named days. Each day subentity stores three composite attributes, called breakfast, lunch and dinner. And each of these three attributes is composed of meal and time.
- Feedback is an entity that stores user id, date, title and description.

A user with admin login is able to crud all entities in the system.

A user with “user” login will be able to CRUD weekly schedule, feedback, and **some** of the recipes (not default recipe). But not users or admins.

Simplified Class Diagram

