Builder Design Pattern: MemberBuilder is used to build objects of Member, including normal user and administrator

Delegate Design Pattern: RecipeControllerImpl with Member. . RecipeControlImpl class is used to complete tasks from RecipeView class, but it delegate its behavior to the Member class. RecipeControllerImpl class call methods of Member to add, edit, delete and display recipes.

Singleton Design Pattern: PotLuckDatabase which save all data for the potluck system, There should only keep one copy of system data, so we use singleton design pattern to create only one instance of PotLuckDatabase