1.

Title: FoodFrenzy

Description: Foodfrenzy is a meal planning and grocery shopping app that helps users plan their weekly meals and make grocery shopping more efficient .Users can select their dietary preferences and food restrictions ,search through a library recipes and generate a personalized meal plan for the week . The app also generates a grocery list based on the meal plan ,making it easy for users to shop the ingredients they need .

Problem: May people struggle with meal planning and grocery shopping ,especially if they have dietary restriction or busy schedules .This can lead to unhealthy eating habits and waste of food .Additionally ,traditional grocery lists can be difficult to organize and often result in forgotten items or unnecessary purchases.

How it will help users: FoodFrenzy will help users to plan and organize their meals for the week making healthy eating mora achievable. By generating a grocery list based on the meal plan , users can reduce food waste to save time and money at the grocery store. The app will also allow users to discover new recipes and easily adapt them to their dietary preferences and restrictions .Overall ,FoodFrenzy will simply the meal planning and grocery shopping process , making healthy eating accessible and enjoyable

2. UML symbols

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| Symbol | Name | Function |
|  | Process | Indicates types of operations inside processor or memory |
|  | Input/output | Used for any input/output operations |
|  | decision | Used to ask question that can be answered in binary |
|  | connector | Allows flowchart to be drawn without intersecting lines or reverse flow |
|  | Predefined process | Used to invoke a subroutine or an interrupt program |
|  | terminal | Indicates the starting or ending of the program ,processor interrupt program |
|  | Flow lines | Shows direction of flow |