| USE CASE | Add a Recipe | |
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| Goal in Context | The Editor wants to add a new recipe to the CoffeeMaker system, providing the necessary information such as the name, price, units of coffee, units of milk, units of sugar, and units of chocolate. | |
| Scope & Level | CoffeeMaker system | |
| Preconditions | The Editor has access to the CoffeeMaker system and has knowledge of the recipe information required to add a new recipe. | |
| Success End Condition | The new recipe is successfully added to the system and is available for use. | |
| Failed End Condition | The new recipe is not added to the system due to missing information or a duplicate recipe name. | |
| Primary,  Secondary Actors | Editor, CoffeeMaker system  None | |
| Trigger | The Editor initiates the add recipe function in the CoffeeMaker system. | |
| DESCRIPTION | Step | Action |
|  | 1 | The user selects the add recipe function in the CoffeeMaker system. |
|  | 2 | The user is prompted to enter the name, price, units of coffee, units of milk, units of sugar, and units of chocolate for the new recipe. |
|  | 3 | The CoffeeMaker system checks for duplicate recipe names and validates the entered information. |
|  | 4 | The new recipe is added to the system if the information is valid and an appropriate message is displayed. |
| EXTENSIONS | Step | Branching Action |
|  | 2a | The user cancels the add recipe function:  2a1. The add recipe process is terminated and the user is returned to the previous menu. |
|  | 3a | Duplicate recipe name is detected:  4a1. Error message is displayed and the user is prompted to enter a new name. |
|  | 4a | Information is not valid:  5a1. Error message is displayed and the user is prompted to re enter all data |
| SUB-VARIATIONS |  | Branching Action |
|  | 1 | The user may enter the recipe information manually or use a pre-existing recipe template. |