# Problem identification and requirements analysis

## Study case: Coffee shop

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| --- | --- |
| Client | Mr. Alonso |
| User | Clients of Mr. Alonso’s coffee shop |
| Problem context | It has been requested to develop an application that shows a menu that offers different types of coffee drinks and at the same time different types of ingredients when the drink requires it. The menu is interactive, in which the user can order their order directly. The system can store 10 drinks. (Drinks that will already be available when the user accesses the menu) |
| Functional requirements | RF1-Drink order |
| No functional requirements | 10 drink max per order, interactive menu |

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| --- | --- | --- | --- | --- |
| Name and id | *[RF1-Drink order]* | | | |
| Summary | *Menu that displays different options to request the drink the user wants. The user must select between types of coffee, type of milk if its required, and the level of sweetness. This for each drink.* | | | |
| Input | **Input name** | **Data type** | | **Valid values** |
| amountOfDrinks | Int | | *Integer between 1 to 10* |
| coffeType | Enumeration | | *Organic or traditional* |
| milkType | Enumeration | | *Almond, lactose free, whole, none* |
| sweetness | Enumeration | | *Medium, sweet, none* |
|  | cream | Boolean | | *Yes, no* |
| Postcondition | Displays the menu with the respective options and shows the total bill at the end of the order. | | | |
| Output | **Output name** | | **Data type** | **Format** |
| bill | | String | N/A |