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| --- | --- | --- | --- | --- | --- |
| Use case ID | UC.02 | | | | |
| Use case name | Subtraction | | | | |
| Create by | Tran Hoai Kien | | **Last updated by** | | Tran Hoai Kien |
| Date created | 22/01/2024 | | **Date last updated** | | 22/01/2024 |
| Actor | Users | | | | |
| Description | This use case enables users to perform subtraction calculations between two numbers | | | | |
| Trigger | User opens the calculator application | | | | |
| Pre-condition | User must select Subtracion from the available operations, which include addition, subtraction, multiplication, and division | | | | |
| Post-condition | User is presented with calculation results if the use case was successful. The system notifies errors if the input is not in the correct format | | | | |
| Main Success Scenario: | **Step** | **Actor Action** | | **System Response** | |
| 1 | User click to “-” in a list | | Configure the main form system to align with appropriate mathematical operations | |
| 2 | The user fill the numbers | |  | |
| 3 | User click to “Calculate” button | | The system verifies the format | |
| 4 |  | | The system shows result | |
| Alternative Scenario | **Step** | **Actor Action** | | **System Response** | |
| 1 | User click to “-” in a list | | Configure the main form system to align with appropriate mathematical operations | |
| 2 | The user fill the numbers | |  | |
| 3 | User click to “Calculate” button | | The system verifies the format | |
| 4 |  | | The system provides an error message if the input is not in the correct format | |
| Exception | **Step** | **Actor Action** | | **System Response** | |
| 1 | User click to “Re-Enter” button | | The system resets the numbers to enter. | |
| Priority | High | | | | |
| Business rule | N/A | | | | |
| Description: | After the user opens the calculation app and selects the subtraction function, the user needs to enter the numbers and calculate. If successful, the calculated number will be displayed. otherwise an error will appear | | | | |

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| --- | --- | --- | --- | --- | --- |
| Use case ID | UC.03 | | | | |
| Use case name | Multiplication | | | | |
| Create by | Tran Hoai Kien | | **Last updated by** | | Tran Hoai Kien |
| Date created | 22/01/2024 | | **Date last updated** | | 22/01/2024 |
| Actor | Users | | | | |
| Description | This use case enables users to perform multiplication calculations between two numbers | | | | |
| Trigger | User opens the calculator application | | | | |
| Pre-condition | User must select Multiplication from the available operations, which include addition, subtraction, multiplication, and division | | | | |
| Post-condition | User is presented with calculation results if the use case was successful. The system notifies errors if the input is not in the correct format | | | | |
| Main Success Scenario: | **Step** | **Actor Action** | | **System Response** | |
| 1 | User click to “\*” in a list | | Configure the main form system to align with appropriate mathematical operations | |
| 2 | The user fill the numbers | |  | |
| 3 | User click to “Calculate” button | | The system verifies the format | |
| 4 |  | | The system shows result | |
| Alternative Scenario | **Step** | **Actor Action** | | **System Response** | |
| 1 | User click to “\*” in a list | | Configure the main form system to align with appropriate mathematical operations | |
| 2 | The user fill the numbers | |  | |
| 3 | User click to “Calculate” button | | The system verifies the format | |
| 4 |  | | The system provides an error message if the input is not in the correct format | |
| Exception | **Step** | **Actor Action** | | **System Response** | |
| 1 | User click to “Re-Enter” button | | The system resets the numbers to enter. | |
| Priority | High | | | | |
| Business rule | N/A | | | | |
| Description: | After the user opens the calculation app and selects the Multiplication function, the user needs to enter the numbers and calculate. If successful, the calculated number will be displayed. otherwise an error will appear | | | | |