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| --- | --- | --- | --- | --- | --- |
| Use case ID | UC.01 | | | | |
| Use case name | Addition | | | | |
| Create by | Dang Tuan Minh | | **Last updated by** | | Tran Phuoc Khoa |
| Date created | 22/01/2024 | | **Date last updated** | | 23/01/2024 |
| Actor | Users | | | | |
| Description | This use case enables users to perform addition calculations between two numbers | | | | |
| Trigger | User opens the calculator application | | | | |
| Pre-condition | User must select addition from the available operations, which include addition, subtraction, multiplication, and division | | | | |
| Post-condition | A 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 “Cộng” in a radio button | | Configure the main form system to align with appropriate mathematical operations | |
| 2 | The user enters the numbers | |  | |
| 3 | User click to “+” button | | The system verifies the result | |
| 4 |  | | The system shows result | |
| Alternative Scenario | **Step** | **Actor Action** | | **System Response** | |
| 1 | User click to “Cộng” in a radio button | | Configure the main form system to align with appropriate mathematical operations | |
| 2 | The user enters the numbers | |  | |
| 3 | User click to “+” button | | The system verifies the result | |
| 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 “Nhập lại” 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 addition function, the user needs to enter the numbers and calculate. If successful, the calculated number will be displayed otherwise an error will appear | | | | |