Interaction Messages

### **Create Account**

*Type:* **UseCase**

*Status:* Proposed. Version 1.0. Phase 1.0.

The Client's goal is to create a new account with the book store system.

| ***Responsibilities (external requirements)*** |
| --- |
|  | REQ016 - Add Users *( Validated, Medium difficulty )*It must be possible to add new users to the client repository. |
|  | REQ025 - Store User Details *( Validated, Medium difficulty )*User details must be persisted to a relational database. |

| ***Scenarios*** |
| --- |
|  | Basic Path - Basic Path1. Use case begins when the Client selects the "Create Account" command.2. The Client enters name, address, e-mail address, password and password confirmation.3. Client presses Submit button.4. Submitted details are validated.5. Processing message is displayed to the Client.6. New account is created in the database.7. Success message is displayed to Client. |
|  | No Submit - AlternateThe Client may press the Exit or Back button at step 3. The use case terminates with no action performed. |
|  | Validation fails - AlternateAt step 4, if validation fails then an error message is displayed and the Client is returned to step 2 with the invalid field or fields highlighted. |
|  | Cannot Create New Account - AlternateIn step 6, if the database create fails, the Client is informed and the use case terminates. |

**Create Account** - *(Interaction diagram)*



Figure: 1

***Messages***

|  |  |  |
| --- | --- | --- |
| **Message/Signature** | **Expression** | **Control Flow** |
| *Msg: 1.0 - select Create Account command**From: : Client**To: : Create Account*P*arams:* *Return: void**Is Return: False* | *Condition*:*Constraint*:*Is Iteration: False**New Group: False* | *Synch: Asynchronous**Kind: Call**LifeCycle:* *Notes:* |
| *Msg: 1.1 - createNewAccount()**From: : Create Account**To: : Create New Account*P*arams:* *Return: void**Is Return: False* | *Condition*:*Constraint*:*Is Iteration: False**New Group: False* | *Synch: Synchronous**Kind: Call**LifeCycle:* *Notes:* |
| *Msg: 1.2 - submitNewAccountDetails()**From: : Create New Account**To: : Account*P*arams:* *Return: void**Is Return: False* | *Condition*:*Constraint*:*Is Iteration: False**New Group: False* | *Synch: Synchronous**Kind: Call**LifeCycle:* *Notes:* |
| *Msg: 1.3 -* *From: : Account**To: : Create New Account*P*arams:* *Return: void**Is Return: True* | *Condition*:*Constraint*:*Is Iteration: False**New Group: False* | *Synch: Synchronous**Kind: Call**LifeCycle:* *Notes:* |
| *Msg: 1.4 -* *From: : Create New Account**To: : Create Account*P*arams:* *Return: void**Is Return: True* | *Condition*:*Constraint*:*Is Iteration: False**New Group: False* | *Synch: Synchronous**Kind: Call**LifeCycle:* *Notes:* |

**Create Account** - *(Communication diagram)*



Figure: 2

***Messages***

|  |  |  |
| --- | --- | --- |
| **Message/Signature** | **Expression** | **Control Flow** |
| *Msg: 1.1 - createNewAccount()**From: Create Account**To: Create New Account*P*arams:* *Return:* *Is Return: True* | *Condition*:*Constraint*:*Is Iteration: False**New Group: False* | *Synch: Synchronous**Kind: Call**LifeCycle:* *Notes:* |
| *Msg:* *From: Create New Account**To: Account*P*arams:* *Return:* *Is Return: True* | *Condition*:*Constraint*:*Is Iteration: False**New Group: False* | *Synch: Synchronous**Kind: Call**LifeCycle:* *Notes:* |

#### **Create Account**

*Type:* **Class**

*Status:* Proposed. Version 1.0. Phase 1.0.

| ***Custom Properties*** |
| --- |
|  | isActive = False |

#### **Create New Account**

*Type:* **Class**

*Status:* Proposed. Version 1.0. Phase 1.0.

| ***Custom Properties*** |
| --- |
|  | isActive = False |

#### **<anonymous>**

*Type:* **InteractionFragment**

*Status:* Proposed. Version 1.0. Phase 1.0.

#### **<anonymous>**

*Type:* **Object**

*Status:* Proposed. Version 1.0. Phase 1.0.

#### **<anonymous>**

*Type:* **Object**

*Status:* Proposed. Version 1.0. Phase 1.0.

#### **<anonymous>**

*Type:* **Object**

*Status:* Proposed. Version 1.0. Phase 1.0.

#### **<anonymous>**

*Type:* **Sequence**

*Status:* Proposed. Version 1.0. Phase 1.0.