|  |  |
| --- | --- |
| **Use Case ID:** | **Use Case:** Generate 2nd Letter |

|  |
| --- |
| **Brief Description:** BAPERS automatically generate the second letter to the Office Manager which going to be send to the customers. |
| **Primary Actors:** Time |
| **Secondary Actors:** Office Manager |
| **Preconditions:**   1. First letter has been generated and sent to customer. 2. One month after the first letter is sent and payment yet to be receive. 3. Office Manager logs into his/her account. |
| **Main Flow:**   1. The Use case starts when it is a month after the first letter sent out. 2. BAPERS suspend the corresponding customer’s account. 3. BAPERS awaits User with user type Office Manager to Log-in. 4. BAPERS alert the Office Manager and second letter is prepare for him/her to print. 5. BAPERS connects to a printer with existing communication channel. 6. BAPERS inform the Office Manager the print has been completed. |
| **Postconditions:**   1. The letter successfully printed out by the Office Manager with no error occur. |
| **Alternative Flows:**  NoPrinterConnection |

|  |  |
| --- | --- |
| **Use Case ID:** | **Use Case:**  Generate 2nd Letter:NoPrinterConnection |

|  |
| --- |
| **Brief Description:** Printing error due to lack of communication with the hardware printer. |
| **Primary Actors: NA** |
| **Secondary Actors: NA** |
| **Preconditions:**   1. BAPERS is operational. 2. Office Manager logs into BAPERS. 3. Office Manager receive the alert of the second letter. 4. Office Manager chosen to print the second letter. |
| **Main Flow: NA** |
| **Postconditions:** The letter is not print on demand by the Office Manager. |
| **Alternative Flows:**   1. The flow may start at step 5 of the main flow. 2. BAPERS informs the Office Manager that no communication between the printer and the computer can be located. |

|  |  |
| --- | --- |
| **Use Case ID:** | **Use Case:** Create User |

|  |
| --- |
| **Brief Description:** Office Manager creates an user account for BAPERS. |
| **Primary Actors:** Office Manager |
| **Secondary Actors: NA** |
| **Preconditions:**   1. BAPERS is operational. 2. A user with user type Office Manager has logged into BAPERS. |
| **Main Flow:**   1. The use case starts when the Office Manager selects “Create User” functionality. 2. Office Manager input details for the user account. 3. Office Manager setting up privileges for the account. 4. BAPERS connect with the database with existing communication channel and send details of the new creation account to it. 5. BAPERS informs Office Manager that a user account has been successfully created. |
| **Postconditions:**   1. The database contains the new account details. |
| **Alternative Flows:**  NoCommunicationChannel |

|  |  |
| --- | --- |
| **Use Case ID:** | **Use Case:**  Create User:NoCommunicationChannel |

|  |
| --- |
| **Brief Description:** Creation error due to lack of communication channel between BAPERS and the database. |
| **Primary Actors: NA** |
| **Secondary Actors: NA** |
| **Preconditions:**   1. BAPERS is operational. 2. User with user type Office Manager logged into BAPERS. 3. Office Manager chosen to create user. |
| **Main Flow: NA** |
| **Postconditions:** User account details in the database remain unchanged. |
| **Alternative Flows:**   1. The flow may start at step 4 of the main flow. 2. BAPERS informs the Office Manager that no communication channel can be located. |

|  |  |
| --- | --- |
| **Use Case ID:** | **Use Case:** |

|  |
| --- |
| **Brief Description:** |
| **Primary Actors:** |
| **Secondary Actors:** |
| **Preconditions:** |
| **Main Flow:** |
| **Postconditions:** |
| **Alternative Flows:** |