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| **Use case ID:** | **Use case name:** Record Payment |
| **Test number:** | |
| **Objective:** Test the primary path | |
| **Set up:** Customer number (\*) must be set up and have outstanding balance of (\*) of unpaid jobs. | |
| **Expected results:**   1. The System creates a payment object. 2. The System finds the outstanding (unpaid) job/s of the customer and adds them to the payment object. 3. The payment object is stored in the Database. | |
| **Test:**   1. Select the Record Payment functionality, enter the amount paid (\*), make sure that the System created and stored the payment object with correct recorded payment amount (\*). | |
| **Test record:** | |
| **Date:** | **Tester:** |
| **Result:** | |
| **Date:** | **Tester:** |
| **Result:** |  |

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| **Use case ID:** | **Use case name:** Record Payment: CardPayment |
| **Test number:** | |
| **Objective:** Test the alternative path | |
| **Set up:** Customer number (\*) must be set up and have outstanding balance of (500$) of unpaid jobs. Customer card details (\*) | |
| **Expected results :**   1. The System creates a payment object. 2. The System creates card object. 3. The System finds the outstanding (unpaid) job/s of the customer and adds them to the payment object. 4. Payment object is referenced to the card object and both have correct values (\*) and (\*) accordingly. | |
| **Test:**   1. Select the Record Payment functionality, enter the amount paid (\*), Select the card payment option. Enter card number | |
| **Test record:** | |
| **Date:** | **Tester:** |
| **Result:** | |
| **Date:** | **Tester:** |
| **Result:** |  |

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| **Use case ID:** | **Use case name:** RecordPayment : NoConnectionToServer |
| **Test number:** | |
| **Objective:** Test the System’s response to lack of connection to the database server | |
| **Set up:** Customer number (\*) must be set up and have outstanding job payment of (\*). The connection to the database server must be terminated. | |
| **Expected results :**   1. The System creates a payment object. 2. The System informs the user that no communication channel can be established to the database. | |
| **Test:**   1. Select the Record Payment functionality, enter amount paid (\*), the System informs that no communication channel can be established to the database. | |
| **Test record:** | |
| **Date:** | **Tester:** |
| **Result:** | |
| **Date:** | **Tester:** |
| **Result:** |  |

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| **Use case ID:** 10 | **Use case name:** Generate 2nd letter |
| **Test number:** | |
| **Objective:** Test the main path. | |
| **Set up:** Customer number (\*) must be set up. First letter has been generated and sent to the customer. One month passes after first letter is sent and the outstanding payment (\*) is not covered. There is communication channel between terminal and printer. | |
| **Expected results:**   1. The System suspends customer account number (\*) 2. The System alerts User with user type Office Manager and generates second letter to print. 3. The System connects to a printer. 4. The System informs Office Manager the print has been completed. 5. Letter has correct values of customer number (\*) and its outstanding payment (\*) | |
| **Test:**   1. Customer account number (\*) is marked as suspended. Log in to user type Office Manager, receive alert and notification of 2nd letter generated. User confirms the print. The system connects to the printer and prints the letter with correct customer number (\*) and outstanding payment (\*) | |
| **Test record:** | |
| **Date:** | **Tester:** |
| **Result:** | |
| **Date:** | **Tester:** |
| **Result:** |  |

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| **Use case ID:** | **Use case name:** Create 2nd Letter: NoPrinterConnection |
| **Test number:** | |
| **Objective:** Test the System’s response to lack of printer connection. | |
| **Set up:** Customer number (\*) must be set up. First letter has been generated and sent to the customer. One month passes after first letter is sent and the outstanding payment (\*) is not covered. There is no communication channel between terminal and printer. | |
| **Expected results :**   1. The System suspends customer account number (\*) 2. The System alerts User with user type Office Manager and generates second letter to print. 3. The System informs User that there is no communication channel to the printer. | |
| **Test:**   1. Check whether customer account number (69420) is marked as suspended. Log in to user type Office Manager, receive alert and notification of 2nd letter generated. User confirms the print. The System informs user that there is no communication to the printer. | |
| **Test record:** | |
| **Date:** | **Tester:** |
| **Result:** | |
| **Date:** | **Tester:** |
| **Result:** |  |

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| **Use case ID:** | **Use case name:** Add User |
| **Test number:** | |
| **Objective:** Test the functionality of adding a user. | |
| **Set up:** User (\*) with user type Office Manager is logged in. | |
| **Expected results:**   1. User inputs 2. Newly created user account has correct privileges. 3. Database creates a new user entry. 4. The System informs that user account has been successfully created. | |
| **Test:** 1. Select “Create User” functionality, enter details for the user account (\*), set up privileges (\*). The System informs that user has been successfully created. Check whether database record corresponds with the correct values. | |
| **Test record:** | |
| **Date:** | **Tester:** |
| **Result:** | |
| **Date:** | **Tester:** |
| **Result:** |  |

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| **Use case ID:** | **Use case name:** Add User: NoCommunicationChannel |
| **Test number:** | |
| **Objective:** Test the System’s response to lack of communication channel when adding a user. | |
| **Set up:** User (\*) with user type Office Manager is logged in. No communication channel with the database server. | |
| **Expected results:**   1. The System informs the user that there is no communication channel to the database server. | |
| **Test:** 1. Select “Create User” functionality, enter details for the user account (\*), set up privileges (\*). The System informs that there is no communication channel to the database server. | |
| **Test record:** | |
| **Date:** | **Tester:** |
| **Result:** | |
| **Date:** | **Tester:** |
| **Result:** |  |

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| **Use case ID:** 9 | **Use case name:** Automatic backup |
| **Test number:** | |
| **Objective:** Test the automatic backup functionality. | |
| **Set up:** Automatic backup period (\*) is specified. | |
| **Expected results:**   1. The database server is backed up. | |
| **Test:** 1. Specified time occurs (\*), the System automatically creates new database backup. | |
| **Test record:** | |
| **Date:** | **Tester:** |
| **Result:** | |
| **Date:** | **Tester:** |
| **Result:** |  |

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| **Use case ID:** | **Use case name:** Automatic backup: NoCommunicationChannel |
| **Test number:** | |
| **Objective:** Test the system response to lack of communication channel when automatic backup occurs. | |
| **Set up:** Automatic backup period (\*) is specified. No communication channel to the database server. | |
| **Expected results :** The System informs that there is no communication channel to the database server. | |
| **Test:** 1. Specified time occurs (\*). The System informs the user that there is no communication channel to the database server. | |
| **Test record:** | |
| **Date:** | **Tester:** |
| **Result:** | |
| **Date:** | **Tester:** |
| **Result:** |  |

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| **Use case ID:** 11 | **Use case name:** Update existing task |
| **Test number:** | |
| **Objective:** Test the “Update existing task” functionality. | |
| **Set up:** Office Manager is logged in (\*). Task (\*) is created. | |
| **Expected results:**   1. Task has been updated. 2. The updated task value (\*) corresponds to the one in the database records. | |
| **Test:**   1. Select “Update existing task” functionality, select (\*) task, input new data (\*), confirm the entry. The System informs that task (\*) has been changed. Check whether new task value (\*) corresponds to the one in the database records. | |
| **Test record:** | |
| **Date:** | **Tester:** |
| **Result:** | |
| **Date:** | **Tester:** |
| **Result:** |  |

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| **Use case ID:** | **Use case name:** Update existing task: NoCommunicationChannel |
| **Test number:** | |
| **Objective:** Test the System’s response to lack of communication channel when updating a task. | |
| **Set up:** Office Manager is logged in (\*). No communication channel to the database server. | |
| **Expected results:**   1. The System informs user that there is no communication channel to the database server. | |
| **Test:**   1. Select “Update existing task” functionality. The System informs that there is no communication channel to the database server. | |
| **Test record:** | |
| **Date:** | **Tester:** |
| **Result:** | |
| **Date:** | **Tester:** |
| **Result:** |  |