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| **USE CASE- Detail Borrowing and Lending Information SPECIFICATION** | | | | |
| **Use-case No.** | UC004.1 | **Use-case Version** | | **1.0** |
| **Use-case Name** | **Detail Borrowing and Lending Information** | | | |
| **Author** | **LinhLLL** | | | |
| **Date** | 08/09/2012 | **Priority** | **High** | |
| **Actor:**  User  **Summary:**  User can view detail borrowing and lending money.  **Goal:**  Allow user view detail borrowing and lending money.  **Triggers**  Touch “Borrowing and Lending Money” tab.  **Preconditions:**  Accessed to application  **Post Conditions:**  ***<List the required post-conditions for using this case>***  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch “Borrowing and Lending Money” tab | Display “Borrowing and Lending Money” screen includes:   * 2 tabs:   + Borrowing Money  + Lending Money   * Default display information of “Borrowing Money” tab includes: List of borrowing money is sorted by descending of expired date | | **2** | Touch/ Click “Menu” icon/ button | Display sub-menu include:   * Add * Filter * Delete |  |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch “Borrowing and Lending Money” tab | Display “Borrowing and Lending Money” screen includes:   * 2 tabs:   + Borrowing Money  + Lending Money   * Default display information of “Borrowing Money” tab includes: List of borrowing money is sorted by descending of expired date | | **2** | Touch “Lending Money” | Display “Lending Money” includes:   * Information of “Lending Money” tab includes: List of borrowing money is sorted by descending of expired date | | **3** | Touch/ Click “Menu” icon/ button | Display sub-menu include:   * Add * Filter * Delete |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch “Borrowing and Lending Money” tab | Display “Borrowing Money” screen includes:   * Blank screen | | **2** | Touch/ Click “Menu” icon/ button | Display sub-menu include:   * Add * Filter * Delete |  |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch “Borrowing and Lending Money” tab | Display “Borrowing Money” screen includes:   * Blank screen | | **2** | Touch “Lending Money” | * Blank screen |  |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch “Borrowing and Lending Money” tab | Display “Borrowing Money” screen includes:   * Blank screen | | **2** | Touch “Lending Money” tab | Display “Lending Money” includes:   * Information of “Lending Money” tab includes: List of borrowing money is sorted by descending of expired date |   **Exceptions:**  **Relationships:**  ***<List the relationships that use case relates to>***  **Business Rules:**   |  |  | | --- | --- | | **No** | **Rule Description** | | **1** | In order to view borrowing and lending information , user must accessed application |   **Screen:**  ***Update Later…***  **Data Fields Definition – Borrowing and Lending Information Screen:**  **Button / Hyperlinks:**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Function** | **Description** | **Available Criteria** | **Validations** | **Result** | | **“Menu” button** | This button is used for view option | Always available | No validation | Redirect to “Add” screen of application | | | | | |

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| **USE CASE- Add Borrowing Money SPECIFICATION** | | | | |
| **Use-case No.** | UC004.2 | **Use-case Version** | | **1.0** |
| **Use-case Name** | **Add Borrowing Money** | | | |
| **Author** | **LinhLLL** | | | |
| **Date** | 08/09/2012 | **Priority** | **High** | |
| **Actor:**  User  **Summary:**  User can add new borrowing money.  **Goal:**  Allow user input detail information of borrowing money.  **Triggers**  Touch “Borrowing and Lending Money” tab.  **Preconditions:**  Accessed to application  **Post Conditions:**  *<List the required post-conditions for using this case>*  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button | Display sub-menu include:   * Add * Filter * Delete | | **2** | Touch “Add” | Display “Add” screen includes below fields:   * 2 radio button:   + Borrow  + Lend   * Name * Total money * Interest * Start Date * End Date * 2 buttons: “Save” and “Cancel” | | **3** | Enter data into mandatory fields |  | | **4** | Touch “Save” button | * Return “Borrowing Money” screen * Show message: “Saved” * Display all saved data |  |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button | Display sub-menu include:   * Add * Filter * Delete | | **2** | Touch “Add Borrowing Money” | Display “Add” screen includes below fields:   * 2 radio button:   + Borrow  + Lend   * Name * Total money * Interest * Start Date * End Date * 2 buttons: “Save” and “Cancel” | | **3** | Touch “Cancel” button | * Return “Borrowing Money” screen |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button | Display sub-menu include:   * Add * Filter * Delete | | **2** | Touch “Add” | Display “Add” screen includes below fields:   * 2 radio button:   + Borrow  + Lend   * Name * Total money * Interest * Start Date * End Date * 2 buttons: “Save” and “Cancel” | | **3** | Enter data into mandatory fields |  | | **4** | Touch “Cancel” button | * Return “Borrowing Money” screen |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button | Display sub-menu include:   * Add * Filter * Delete | | **2** | Touch “Add” | Display “Add” screen includes below fields:   * 2 radio button:   + Borrow  + Lend   * Name * Total money * Interest * Start Date * End Date * 2 buttons: “Save” and “Cancel” | | **3** | Enter data into one of field |  | | **4** | Touch “Save” button | * Show message: “Please input data into mandatory fields!” |  |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button | Display sub-menu include:   * Add * Filter * Delete | | **2** | Touch “Add” | Display “Add” screen includes below fields:   * 2 radio button:   + Borrow  + Lend   * Name * Total money * Interest * Start Date * End Date * 2 buttons: “Save” and “Cancel” | | **3** | Enter text or symbol into one of fields below:   * Total money * Interest * Start Date * End Date |  | | **4** | Touch “Save” button | * Show message: “Invalid input! Please enter number! ” |     **Relationships:**  **Business Rules:**   |  |  | | --- | --- | | **No** | **Rule Description** | | **1** | In order to add borrowing money, user must accessed application | | **2** | In order to save data, user must enter data into mandatory field |   **Screen:**  ***Update Later…***  **Data Fields Definition – Borrowing Money Screen:**   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Field name** | **Description** | **Read only** | **Mandatory** | **Control Type** | **Data type** | **Length** | | **Name label** | A label with content “Name” | - | - |  |  |  | | **Name** | A field for input borrower name | - | - | - |  |  | | **Total Money label** | A label with content “Total Money” |  |  |  |  |  | | **Total Money** | A field for enter money number |  |  |  |  |  | | **Interest label** | A label with content “Interest” |  |  |  |  |  | | **Interest** | A field for enter number |  |  |  |  |  | | **Start Date label** | A label with content “Start Date” |  |  |  |  |  | | **Start Date** | A field for enter time |  |  |  |  |  | | **End Date Label** | A label with content “End Date” |  |  |  |  |  | | **End Date** | A field for enter time |  |  |  |  |  |   **Button / Hyperlinks:**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Function** | **Description** | **Available Criteria** | **Validations** | **Result** | | **“Save” button** | This button is used for saved data | Always available | No validation | Redirect to “Borrowing Money” screen of application | | **“Cancel” button** | This button is used for canceled all entered data | Always available | No validation | Redirect to “Borrowing Money” screen of application | | | | | |

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| **USE CASE- Add Lending Money SPECIFICATION** | | | | |
| **Use-case No.** | UC004.2 | **Use-case Version** | | **1.0** |
| **Use-case Name** | **Add Lending Money** | | | |
| **Author** | **LinhLLL** | | | |
| **Date** | 08/09/2012 | **Priority** | **High** | |
| **Actor:**  User  **Summary:**  User can add new lending money.  **Goal:**  Allow user input detail information of lending money.  **Triggers**  Touch “Borrowing and Lending Money” tab.  **Preconditions:**  Accessed to application  **Post Conditions:**  *<List the required post-conditions for using this case>*  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button | Display sub-menu include:   * Add * Filter * Delete | | **2** | Touch “Add” | Display “Add” screen includes below fields:   * 2 radio button:   + Borrow  + Lend   * Name * Total money * Interest * Start Date * End Date * 2 buttons: “Save” and “Cancel” | | **3** | * Touch "Lend” radio button * Enter data into mandatory fields |  | | **4** | Touch “Save” button | * Return “Borrowing Money” screen * Show message: “Saved” * Display all saved data |  |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button | Display sub-menu | | **2** | Touch “Add” | Display “Add” screen includes below fields:   * 2 radio button:   + Borrow  + Lend   * Name * Total money * Interest * Start Date * End Date * 2 buttons: “Save” and “Cancel” | | **3** | Touch “Cancel” button | * Return “Borrowing Money” screen |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button of “ Borrowing and Lending Money” screen | Display sub-menu include:   * Input Borrowing Money * Input Lending Money | | **2** | Touch “Input Lending Money” | Display “Lending Money” screen includes below fields:   * Lender * Total money * Maturity * Interest * Expired * 2 buttons: “Save” and “Cancel” | | **2** | Enter data into all fields |  | | **3** | Touch “Save” button | * Return “Borrowing and Lending Money” screen * Show message: “Saved” * Display all saved data |  |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button of “ Borrowing and Lending Money” screen | Display sub-menu include:   * Input Borrowing Money * Input Lending Money | | **2** | Touch “Input Lending Money” | Display “Lending Money” screen includes below fields:   * Lender * Total money * Maturity * Interest * Expired * 2 buttons: “Save” and “Cancel” | | **2** | Enter data into all fields |  | | **3** | Touch “Cancel” button | * Return “Borrowing and Lending Money” screen |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button of “ Borrowing and Lending Money” screen | Display sub-menu include:   * Input Borrowing Money * Input Lending Money | | **2** | Touch “Input Lending Money” | Display “Lending Money” screen | | **3** | Touch “Save” button | * Show message: “Please enter data into mandatory fields!” |  |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button of “ Borrowing and Lending Money” screen | Display sub-menu include:   * Input Borrowing Money * Input Lending Money | | **2** | Touch “Input Lending Money” | Display “Lending Money” screen | | **3** | Enter text into one of fields below:   * Total money * Maturity * Interest * Expired |  | | **4** | Touch “Save” button | * Show message: “Invalid input! Please enter number!” * Clear invalid input |  |  |  |  | | --- | --- | --- | | **Step** | **Actor action** | **System response** | | **1** | Touch/ Click “Menu” icon/ button of “ Borrowing and Lending Money” screen | Display sub-menu include:   * Input Borrowing Money * Input Lending Money | | **2** | Touch “Input Lending Money” | Display “Lending Money” screen | | **3** | Enter data into one of fields that display on “Borrowing Money” screen |  | | **4** | Touch “Save” button | * Show message: “Please enter data into mandatory fields!” |     **Relationships:**    **Business Rules:**   |  |  | | --- | --- | | **No** | **Rule Description** | | **1** | In order to input lending information, user must accessed application | | **2** | In order to save data, user must enter data into mandatory field |   **Screen:**  ***Update Later…***  **Data Fields Definition – Lending Money Screen:**   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Field name** | **Description** | **Read only** | **Mandatory** | **Control Type** | **Data type** | **Length** | | **Lender label** | A label with content “Lender” | - | - |  |  |  | | **Borrower** | A field for input Borrower | - | - | - |  |  | | **Total Money label** | A label with content “Total Money” |  |  |  |  |  | | **Total Money** | A field for enter money number |  |  |  |  |  | | **Maturity label** | A label with content “Maturity” |  |  |  |  |  | | **Maturity** | A field for enter money number |  |  |  |  |  | | **Interest label** | A label with content “Interest” |  |  |  |  |  | | **Interest** | A field for enter number |  |  |  |  |  | | **Expired label** | A label with content “Expired” |  |  |  |  |  | | **Expired** | A field for enter time |  |  |  |  |  |   **Button / Hyperlinks:**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Function** | **Description** | **Available Criteria** | **Validations** | **Result** | | **“Save” button** | This button is used for saved data | Always available | No validation | Redirect to “Borrowing and Lending Money” screen of application | | **“Cancel” button** | This button is used for canceled all entered data | Always available | No validation | Redirect to “Borrowing and Lending Money” screen of application | | | | | |