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| USE CASE- Input expense manually SPECIFICATION | | | | |
| Use-case No. | UC003.1 | **Use-case Version** | | 1.0 |
| Use-case Name | Input detail expense manually | | | |
| Author | LinhLLL | | | |
| Date | 08/09/2012 | **Priority** | High | |
| Actor:  User  Summary:  User can input daily expense manually.  Goal:  Allow user input daily expense.  Triggers  Touch “Revenue and Expenditure Management” 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 “Revenue and Expenditure Management” tab | Display “Expenditure management” screen include:   * Detail expense and revenue of last day | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Input Expense * Input Revenue * View Detail Information | | 3 | Touch “Input Expense” | Display sub-menu include:   * Input daily expense manually * Input daily expense by NFC | | 4 | Touch “Input daily expense manually | Display “Daily expense” screen include:   * “Date” filed: display current day * “Expense” section include list of item below: * “Meals” field * “Shopping” field * “Party” field * “Birthday” field * “Clothes” field * “Others” field * 2 buttons: Save and Cancel | | 5 | Enter data into all fields manually |  | | 6 | Touch “Save” button | * Return to “Expenditure management” screen * Display message “Saved” * Display saved data |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Revenue and Expenditure Management” tab | Display “Expenditure management” screen include:   * Detail expense and revenue of last day | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Input Expense * Input Revenue * View Detail Information | | 3 | Touch “Input Expense” | Display sub-menu include:   * Input daily expense manually * Input daily expense by NFC | | 4 | Touch “Input daily expense manually | Display “Daily expense” screen include:   * “Date” filed: display current day * “Expense” section include list of item below: * “Meals” field * “Shopping” field * “Party” field * “Birthday” field * “Clothes” field * “Others” field * 2 buttons: Save and Cancel | | 5 | Enter data into all fields manually |  | | 6 | Touch “Cancel” button | * Return to “Expenditure management” screen |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Input Expense” | Display sub-menu include:   * Input daily expense manually * Input daily expense by NFC | | 2 | Touch “Input daily expense manually | Display “Daily expense” screen include:   * “Date” filed: display current day * “Expense” section include list of item below: * “Meals” field * “Shopping” field * “Party” field * “Birthday” field * “Clothes” field * “Others” field * 2 buttons: Save and Cancel | | 3 | Enter data into at least one field manually |  | | 4 | Touch “Save” button | * Return to “Expenditure management” screen * Display message “Saved” * Display saved data |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Input Expense” | Display sub-menu include:   * Input daily expense manually * Input daily expense by NFC | | 2 | Touch “Input daily expense manually | Display “Daily expense” screen include:   * “Date” filed: display current day * “Expense” section include list of item below: * “Meals” field * “Shopping” field * “Party” field * “Birthday” field * “Clothes” field * “Others” field * 2 buttons: Save and Cancel | | 3 | Change value of “Date” field to other day | If changed date has data then it will display them on “Expense” section | | 4 | Touch “Save” button | * Return to “Expenditure management” screen * Display message “Saved” * Display saved data |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Input Expense” | Display sub-menu include:   * Input daily expense manually * Input daily expense by NFC | | 2 | Touch “Input daily expense manually | Display “Daily expense” screen include:   * “Date” filed: display current day * “Expense” section include list of item below: * “Meals” field * “Shopping” field * “Party” field * “Birthday” field * “Clothes” field * “Others” field * 2 buttons: Save and Cancel | | 3 | Change value of “Date” field to other day | If changed date has data then it will display them on “Expense” section | | 4 | Modify data on at least one field manually |  | |  |  |  | | 5 | Touch “Save” button | * Return to “Expenditure management” screen * Display message “Saved” * Display saved data |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Input Expense” | Display sub-menu include:   * Input daily expense manually * Input daily expense by NFC | | 2 | Touch “Input daily expense manually | Display “Daily expense” screen include:   * “Date” filed: display current day * “Expense” section include list of item below: * “Meals” field * “Shopping” field * “Party” field * “Birthday” field * “Clothes” field * “Others” field * 2 buttons: Save and Cancel | | 3 | Change value of “Date” field to other day | If changed date has not data, then nothing in “Expense” section is changed | | 4 | Enter data into at least one field manually |  | | 5 | Touch “Save” button | * Return to “Expenditure management” screen * Display message “Saved” * Display saved data |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Input Expense” | Display sub-menu include:   * Input daily expense manually * Input daily expense by NFC | | 2 | Touch “Input daily expense manually | Display “Daily expense” screen include:   * “Date” filed: display current day * “Expense” section include list of item below: * “Meals” field * “Shopping” field * “Party” field * “Birthday” field * “Clothes” field * “Others” field * 2 buttons: Save and Cancel | | 3 | Enter data into at least one field manually |  | | 4 | Touch “Cancel” button | * Return to “Expenditure management” screen |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Input Expense” | Display sub-menu include:   * Input daily expense manually * Input daily expense by NFC | | 2 | Touch “Input daily expense manually | Display “Daily expense” screen include:   * “Date” filed: display current day * “Expense” section include list of item below: * “Meals” field * “Shopping” field * “Party” field * “Birthday” field * “Clothes” field * “Others” field * 2 buttons: Save and Cancel | | 3 | Change value of “Date” field to other day | If changed date has not data, then nothing in “Expense” section is changed | | 4 | Enter data into at least one field manually |  | | 5 | Touch “Cancel” button | * Return to “Expenditure management” screen |   Exceptions:   |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Input Expense” | Display sub-menu include:   * Input daily expense manually * Input daily expense by NFC | | 2 | Touch “Input daily expense manually | Display “Daily expense” screen | | 3 | Touch “Save” button | * Show message: “You must enter data into at least one field in “Expense” section!” |      |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Input Expense” | Display sub-menu include:   * Input daily expense manually * Input daily expense by NFC | | 2 | Touch “Input daily expense manually | Display “Daily expense” screen include:   * “Date” filed: display current day * “Expense” section include list of item below: * “Meals” field * “Shopping” field * “Party” field * “Birthday” field * “Clothes” field * “Others” field * 2 buttons: Save and Cancel | | 3 | Enter text or symbol into at least one field manually |  | | 4 | Touch “Save” button | * Show message: “Invalid Input! Please enter number into field! ” |   Relationships:    Business Rules:   |  |  | | --- | --- | | No | Rule Description | | 1 | In order to input expense manually, user must accessed application | | 2 | In order to save data, user must enter data into at least one field |   Screen:  *Update Later…*  Data Fields Definition – Daily Expense Screen:   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Field name | Description | Read only | Mandatory | Control Type | Data type | Length | | Date label | A label with content “Date” | - | - |  |  |  | | Date | A field for input date | - | - | - |  |  | | Expense label | A label with content “Expense” |  |  |  |  |  | | Meals label | A label with content “Meals” |  |  |  |  |  | | Meals | A field for enter number |  |  |  |  |  | | Shopping expense label | A label with content “Shopping expense” |  |  |  |  |  | | Shopping | A field for enter number |  |  |  |  |  | | Birthday expense label | A label with content “Birthday expense” |  |  |  |  |  | | Birthday | A field for enter number |  |  |  |  |  | | Party expense label | A label with content “Party expense” |  |  |  |  |  | | Party | A field for enter number |  |  |  |  |  | | Others label | A label with content “Others” |  |  |  |  |  | | Others | A field for enter number |  |  |  |  |  |   Button / Hyperlinks:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Function | Description | Available Criteria | Validations | Result | | “Save” button | This button is used for saved data | Always available | No validation | Redirect to “Expenditure management” screen of application | | “Cancel” button | This button is used for canceled all entered data | Always available | No validation | Redirect to “Expenditure management” screen of application | | | | | |

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| USE CASE- Input expense by NFC SPECIFICATION | | | | |
| Use-case No. | UC003.2 | **Use-case Version** | | 1.0 |
| Use-case Name | Input expense by NFC | | | |
| Author | LinhLLL | | | |
| Date | 08/09/2012 | **Priority** | High | |
| Actor:  User  Summary:  User can input daily expense by NFC.  Goal:  Allow user input daily expense.  Triggers  Touch “Revenue and Expenditure Management” tab.  Preconditions:  Accessed to application  Post Conditions:  *<List the required post-conditions for using this case>*  Main Success Scenario:  Alternative Scenario:  Exceptions:  Relationships:  *<List the relationships that use case relates to>*  Business Rules:   |  |  | | --- | --- | | No | Rule Description | | 1 | In order to input expense by NFC, user must accessed application |   Screen:  *Update Later…*  Data Fields Definition – Edit Schedule Screen:   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Field name | Description | Read only | Mandatory | Control Type | Data type | Length | | Monthly budget label | A label with content “Monthly budget” | - | - |  | String | - | | Monthly budget | A field for enter number | - | - | - | Float | 100 | | Living cost label | A label with content “Living cost” |  |  |  |  |  | | Meals label | A label with content “Meals” |  |  |  |  |  | | Meals | A field for enter number |  |  |  |  |  | | Shopping expense label | A label with content “Shopping expense” |  |  |  |  |  | | Shopping | A field for enter number |  |  |  |  |  | | Birthday expense label | A label with content “Birthday expense” |  |  |  |  |  | | Birthday | A field for enter number |  |  |  |  |  | | Party expense label | A label with content “Party expense” |  |  |  |  |  | | Party | A field for enter number |  |  |  |  |  | | Others label | A label with content “Others” |  |  |  |  |  | | Others | A field for enter number |  |  |  |  |  |   Button / Hyperlinks:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Function | Description | Available Criteria | Validations | Result | | “Save” button | This button is used for saved data | Always available | No validation | Redirect to “Schedule” screen of application | | “Cancel” button | This button is used for canceled all entered data | Always available | No validation | Redirect to “Schedule” screen of application | | | | | |

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| USE CASE- Input Revenue SPECIFICATION | | | | |
| Use-case No. | UC003.3 | **Use-case Version** | | 1.0 |
| Use-case Name | Input revenue | | | |
| Author | LinhLLL | | | |
| Date | 08/09/2012 | **Priority** | High | |
| Actor:  User  Summary:  User can input daily revenue.  Goal:  Allow user input daily revenue.  Triggers  Touch “Revenue and Expenditure Management” 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 “Revenue and Expenditure Management” tab | Display “Expenditure management” screen include:   * Detail expense and revenue of last day | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Input Expense * Input Revenue * View Detail Information | | 3 | Touch “Input Revenue” | Display “Daily Revenue” screen includes:   * “Date” field: display current date * “Revenue” section with 2 items: * “Salary” field * “Promotion” field | | 4 | Enter data into at least one field |  | | 5 | Touch “Save” button | * Return to “Expenditure management” screen * Display message “Saved” * Display saved data |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Revenue and Expenditure Management” tab | Display “Expenditure management” screen include:   * Detail expense and revenue of last day | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Input Expense * Input Revenue * View Detail Information | | 3 | Touch “Input Revenue” | Display “Daily Revenue” screen includes:   * “Date” field: display current date * “Revenue” section with 2 items: * “Salary” field * “Promotion” field | | 4 | Enter data into at least one field |  | | 5 | Touch “Cancel” button | * Return to “Expenditure management” screen |   Alternative Scenario:  Exceptions:   |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Revenue and Expenditure Management” tab | Display “Expenditure management” screen include:   * Detail expense and revenue of last day | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Input Expense * Input Revenue * View Detail Information | | 3 | Touch “Input Revenue” | Display “Daily Revenue” screen includes:   * “Date” field: display current date * “Revenue” section with 2 items: * “Salary” field * “Promotion” field | | 4 | Touch “Save” button | * Display message “Please enter data into at least one field!” |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Revenue and Expenditure Management” tab | Display “Expenditure management” screen include:   * Detail expense and revenue of last day | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Input Expense * Input Revenue * View Detail Information | | 3 | Touch “Input Revenue” | Display “Daily Revenue” screen includes:   * “Date” field: display current date * “Revenue” section with 2 items: * “Salary” field * “Promotion” field | | 4 | Enter text or symbol into at least one field |  | | 4 | Touch “Save” button | * Show message: “Invalid Input! Please enter number into field! ” |   Relationships:  *<List the relationships that use case relates to>*  Business Rules:   |  |  | | --- | --- | | No | Rule Description | | 1 | In order to input revenue, user must accessed application | | 2 | In order to save data, user must enter data into at least one field |   Screen:  *Update Later…*  Data Fields Definition – Daily Revenue Screen:   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Field name | Description | Read only | Mandatory | Control Type | Data type | Length | | Monthly budget label | A label with content “Monthly budget” | - | - |  | String | - | | Monthly budget | A field for enter number | - | - | - | Float | 100 | | Living cost label | A label with content “Living cost” |  |  |  |  |  | | Meals label | A label with content “Meals” |  |  |  |  |  | | Meals | A field for enter number |  |  |  |  |  | | Shopping expense label | A label with content “Shopping expense” |  |  |  |  |  | | Shopping | A field for enter number |  |  |  |  |  | | Birthday expense label | A label with content “Birthday expense” |  |  |  |  |  | | Birthday | A field for enter number |  |  |  |  |  | | Party expense label | A label with content “Party expense” |  |  |  |  |  | | Party | A field for enter number |  |  |  |  |  | | Others label | A label with content “Others” |  |  |  |  |  | | Others | A field for enter number |  |  |  |  |  |   Button / Hyperlinks:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Function | Description | Available Criteria | Validations | Result | | “Save” button | This button is used for saved data | Always available | No validation | Redirect to “Expenditure and Revenue management” screen of application | | “Cancel” button | This button is used for canceled all entered data | Always available | No validation | Redirect to “Expenditure and Revenue management” screen of application |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | USE CASE- View detail information SPECIFICATION | | | | | | Use-case No. | UC003.4 | **Use-case Version** | | 1.0 | | Use-case Name | View detail information | | | | | Author | LinhLLL | | | | | Date | 08/09/2012 | **Priority** | High | | | Actor:  User  Summary:  User can view detail expense.  Goal:  Allow user view detail expense.  Triggers  Touch “Revenue and Expenditure Management” tab.  Preconditions:  Accessed to application  Post Conditions:  *<List the required post-conditions for using this case>*  Main Success Scenario:  Alternative Scenario:  Exceptions:  Relationships:  *<List the relationships that use case relates to>*  Business Rules:   |  |  | | --- | --- | | No | Rule Description | | 1 | In order to input revenue, user must accessed application | | 2 | In order to save data, user must enter data into at least one field |   Screen:  *Update Later…*  Data Fields Definition – Daily Revenue Screen:   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Field name | Description | Read only | Mandatory | Control Type | Data type | Length | | Monthly budget label | A label with content “Monthly budget” | - | - |  | String | - | | Monthly budget | A field for enter number | - | - | - | Float | 100 | | Living cost label | A label with content “Living cost” |  |  |  |  |  | | Meals label | A label with content “Meals” |  |  |  |  |  | | Meals | A field for enter number |  |  |  |  |  | | Shopping expense label | A label with content “Shopping expense” |  |  |  |  |  | | Shopping | A field for enter number |  |  |  |  |  | | Birthday expense label | A label with content “Birthday expense” |  |  |  |  |  | | Birthday | A field for enter number |  |  |  |  |  | | Party expense label | A label with content “Party expense” |  |  |  |  |  | | Party | A field for enter number |  |  |  |  |  | | Others label | A label with content “Others” |  |  |  |  |  | | Others | A field for enter number |  |  |  |  |  |   Button / Hyperlinks:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Function | Description | Available Criteria | Validations | Result | | “Save” button | This button is used for saved data | Always available | No validation | Redirect to “Expenditure and Revenue management” screen of application | | “Cancel” button | This button is used for canceled all entered data | Always available | No validation | Redirect to “Expenditure and Revenue management” screen of application | | | | | | | | | | |