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| USE CASE- Input expense manual SPECIFICATION | | | | |
| Use-case No. | UC003.1 | **Use-case Version** | | 1.0 |
| Use-case Name | Input detail expense | | | |
| Author | LinhLLL | | | |
| Date | 08/09/2012 | **Priority** | High | |
| Actor:  User  Summary:  User can input daily expense manual.  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 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 * “Expense” label 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 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 * “Expense” label 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 * “Expense” label 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 “Date” field and 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 * “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 “Date” field and at least one field manually |  | | 4 | 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 | Enter data into “Date” field |  | | 4 | Touch “Save” button | * Show message: “You must enter data into at least one field in “Expense” section!” |      |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 2 | Touch “Create Schedule” | Display “Create Schedule” screen | | 3 | Enter text or symbol into:   * “Meals” field * “Shopping expense” field * “Birthday expense” field * “Party expense” field * “Clothes” field * “Others” field |  | | 4 | Touch “Save” button | * Display message “Input invalid! Please enter number!” * Clear all field |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 2 | Touch “Create Schedule” | Display “Create Schedule” screen | | 3 | Enter empty data into all fields |  | | 4 | Touch “Save” button | * Display message “Please enter at least one field!” |   Relationships:  *<List the relationships that use case relates to>*  Business Rules:   |  |  | | --- | --- | | No | Rule Description | | 1 | In order to create new schedule, user must accessed application | | 2 | In order to save schedule, user must enter data into at least one field |   Screen:  *Update Later…*  Data Fields Definition – Create 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- Edit Schedule SPECIFICATION | | | | |
| Use-case No. | UC002.2 | **Use-case Version** | | 1.0 |
| Use-case Name | Edit Schedule | | | |
| Author | LinhLLL | | | |
| Date | 08/09/2012 | **Priority** | High | |
| Actor:  User  Summary:  User can edit monthly budget, detail expense for current month.  Goal:  Allow user edit monthly budget and plan schedule.  Triggers  Touch “Schedule” 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 “Schedule” tab | Display “Schedule” screen | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 3 | Touch “Edit Schedule” | Display “Edit Schedule” screen | | 4 | Edit data into all fields |  | | 5 | Touch “Save” button | * Return to “Schedule” screen * Display message “Saved” * Display saved data |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Schedule” tab | Display “Schedule” screen | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 3 | Touch “Create Schedule” | Display “Create Schedule” screen | | 4 | Edit data into all fields |  | | 5 | Touch “Cancel” button | * Return to “Schedule” screen |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 2 | Touch “Edit Schedule” | Display “Edit Schedule” screen | | 3 | Edit data into “Monthly budget” field |  | | 4 | Touch “Save” button | * Return to “Schedule” screen * Display message “Saved” * Display saved data |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 2 | Touch “Edit Schedule” | Display “Edit Schedule” screen | | 3 | Edit data into:   * “Meals” field * “Shopping expense” field * “Birthday expense” field * “Party expense” field * “Clothes” field * “Others” field |  | | 4 | Touch “Save” button | * Return to “Schedule” screen * Display message “Saved” * Display saved schedule |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 2 | Touch “Create Schedule” | Display “Create Schedule” screen | | 3 | Enter data into “Monthly budget” field |  | | 4 | Touch “Cancel” button | * Return to “Schedule” screen |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 2 | Touch “Edit Schedule” | Display “Edit Schedule” screen | | 3 | Edit data into:   * “Meals” field * “Shopping expense” field * “Birthday expense” field * “Party expense” field * “Clothes” field * “Others” field |  | | 4 | Touch “Cancel” button | * Return to “Schedule” screen |   Exceptions:   |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Schedule” tab | * No data display | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 3 | Touch “Edit Schedule” | Show message: “ No data for editing” |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 2 | Touch “Edit Schedule” | Display “Edit Schedule” screen | | 3 | Enter text or symbol into “Monthly budget” field |  | | 4 | Touch “Save” button | * Display message “Input invalid! Please enter number!” * Clear “Budget” field |      |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 2 | Touch “Edit Schedule” | Display “Edit Schedule” screen | | 3 | Enter text or symbol into:   * “Meals” field * “Shopping expense” * “Birthday expense” * “Party expense” * “Clothes” * “Others” |  | | 4 | Touch “Save” button | * Display message “Input invalid! Please enter number!” * Clear all field |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 2 | Touch “Edit Schedule” | Display “Edit Schedule” screen | | 3 | Clear data in all fields |  | | 4 | Touch “Save” button | * Display message “Please enter at least one field!” |   Relationships:  *<List the relationships that use case relates to>*  Business Rules:   |  |  | | --- | --- | | No | Rule Description | | 1 | In order to edit schedule, user must accessed application | | 2 | In order to edit schedule, “Schedule” screen must have at least one schedule | | 3 | In order to save schedule, user must enter data into at least one field |   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- Delete Schedule SPECIFICATION | | | | |
| Use-case No. | UC002.3 | **Use-case Version** | | 1.0 |
| Use-case Name | Delete Schedule | | | |
| Author | LinhLLL | | | |
| Date | 08/09/2012 | **Priority** | High | |
| Actor:  User  Summary:  User can delete schedule.  Goal:  Allow user delete schedule.  Triggers  Touch “Schedule” 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 “Schedule” tab | Display “Schedule” screen | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 3 | Touch “Delete Schedule” | Show pop-up “Confirm” include:   * Message: “You want to delete this schedule?” * 2 button: Yes and No | | 4 | Touch “Yes” button | * Clear schedule * Show message: “Deleted” |  |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Schedule” tab | Display “Schedule” screen | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 3 | Touch “Delete Schedule” | Show pop-up “Confirm” include:   * Message: “You want to delete this schedule?” * 2 button: Yes and No | | 4 | Touch “No” button | * Return to “Schedule” screen |   Alternative Scenario:  Exceptions:     |  |  |  | | --- | --- | --- | | Step | Actor action | System response | | 1 | Touch “Schedule” tab | * No data display | | 2 | Touch/ Click “Menu” icon/ button of screen | Display sub-menu include:   * Create Schedule * Edit Schedule * Delete Schedule | | 3 | Touch “Delete Schedule” | Show message: “ No data for deleting” |   Relationships:  *<List the relationships that use case relates to>*  Business Rules:   |  |  | | --- | --- | | No | Rule Description | | 1 | In order to delete schedule, user must accessed application | | 2 | In order to delete schedule, “Schedule” screen must have at least one schedule |   Screen:  *Update Later…* | | | | |