

Functional Requirement Document (FRD) for Personal Finance Project

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Requirements: Sign off and Approval

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Date

Sr. Manager, IT Process Improvement

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Date

Business Owner/Product Manager

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Director, Marketing

Signature

Date

Director, IT Systems Development or Delegate

Signature

Date

Project Manager

Signature

Date

Business Development Manager

Signature

Date

Sr. Director, Online Marketing

Signature

Date

Sr. Manager, Promotions

Signature

Date

Version #	Date	CR #	Description of Change

Table of Contents

[To update the table of contents, right click the message below and select Update Field (F9 on PC, ⌘⇧U on Mac).]

No table of contents entries found.

Contents

1. Scope.....	9
2. System(s) Impacted	9
3. Assumption(s)/Dependencies.....	9
4. As-Is Business Process (via activity diagram)	9
5. To Be Business Process (via activity diagram)	9
6. Requirements:.....	10
6.1 Requirements: 'Welcome' page	10
6.1.1 Display 'Welcome' Page.	10
6.1.2 'Welcome' page Navigation	11
6.2 Requirements: Login Page.....	12
6.2.1 'Login' Page Data Field	12
6.2.1 'Login' Page data validations	13
6.2.1.1 "Login" page data validation=Pass	13
6.2.1.2 "Login" page data validation=Fail	13
6.3 Requirements: Sign Up Page	14
6.3.1 'Sign Up' Page Data Field	14
6.3.2 'Sign Up' Page data validations.....	15
6.3.2.1 "Home" page data validation=Pass.....	15
6.3.2.2 "Home" page data validation=Fail	16
6.4 Requirements: Home Page	17
6.4.1 Display 'Home' Page.....	17
6.4.2 "Home" Page Navigation.....	17
6.5 Requirements: Expense Page	18
6.5.1 Display "Expense" Page.....	18

6.5.2 “Expense” page Navigation	18
6.6 Requirements: “Add Expense” Page	19
6.6.1 “Add Expense” Page Data Field	19
6.6.3 Requirements: “Verify Pop Up” Option	20
6.6.3.1 Display “Verify Pop Up”	20
6.6.3.2 “Verify Pop Up” Navigation	21
6.6.4 Requirements: “Expense breakdown” Option	23
6.6.4.1 Display “Expense Breakdown”	23
6.6.4.3 “Expense Breakdown” page validations	24
6.6.4.4 “Expense Breakdown” page data validation=Pass	24
6.6.4.5 “Expense Breakdown” page data validation=Fail	24
6.7 Requirements: “Expense Page after Adding Expense” Page	26
6.7.1 Display Expense addition on “Expense page after Adding Expense” page	26
6.7.2 “Expense page after Adding Expense” page Navigation	26
6.7.3.1 Display “Update Expense” page	28
6.7.3.2 “Update Expense” page Data field	28
6.7.3.3 “Update Expense” page validations	30
6.7.3.3.1 “Update Expense” page data validation=Pass	30
6.7.3.3.2 “Update Expense” page data validation=Fail	30
6.7.4 Requirements: “Delete Expense Pop Up” Option	31
6.7.4.1 Display “Delete Expense Pop Up”	31
6.7.4.2 “Delete Expense Pop Up” Navigation	31
6.7.5 Requirements: “View Expense” Option	32
6.7.5.1 Display “View Expense”	32
6.7.5.2 “View Expense” Navigation	32
6.8 Requirements: “Payment Account” Page	34
6.8.1 Display “Payment Account” page	34

6.8.2 “Payment Account” page Navigation	34
6.8.3 Requirements: “Add Payment Account” Page	36
6.8.3.1 “Add Payment Account” Data Field	36
6.8.3.2 “Add Payment Account” page Validation	37
6.8.3.2. “Add Payment Account” page data validation=Pass	37
6.8.3.3.2 “Update <i>Payment</i> ” page data validation=Fail	37
6.8.4 Requirements: Update Payment Account Page	39
6.8.4.1 “Update Payment Account” Data Field	39
6.8.4.2 “Update Payment Account” page Data field	39
6.8.4.2 “Update Payment Account” page Validation	40
6.8.4.2.1 “Update Payment Account” page data validation=Pass	40
6.8.4.2.2 “Update Payment Account” page data validation=Fail	40
6.8.5 Requirements: Delete “Payment Account” Page	41
6.8.5.1 Display “Delete Expense Pop Up”	41
6.8.5.2 “Delete Payment Account” Navigation	42
6.8.6 Requirements: “View Payment Account” Page.....	43
6.8.6.1 Display “View Payment Account”	43
6.8.6.2 “View Payment Account” Page Navigation	43
6.9 Requirements: “Setting” Page.....	45
6.9.1 Display “Setting” Page.....	45
6.9.2 “Setting” Page Navigation	45
6.9.3 Requirements: “Expense Category” Page	47
6.9.3.1 Display “Expense Category” Page	47
6.9.3.2 “Expense Category” Page Navigation.....	47
6.9.3.3 Requirements: “Add Expense Category Right Side” Page	49
6.9.3.3.1 Display “Add Expense Category Right Side” Page	49
6.9.3.3.2 “Add Expense Category” Page Data Field	49

6.9.3.3.3 “Add Expense Category” page Validation	50
6.9.3.3.3.1 “Add Expense Category” page data validation=Pass	50
6.9.3.3.3.2 “Add Expense Category” page data validation=Fail	50
6.9.3.4 Requirements: “View Expense Category” Right Side Page	52
6.9.3.4.2 “View” Page Navigation	52
6.9.3.5 Requirements: “Update Expense Category Right Side” Page	54
6.9.3.5.1 Display “Update Expense Category Right Side” Page.....	54
6.9.3.5.2 “Update Expense Category” Page Data Field	54
6.9.3.5.3 “Update Expense Category” page Validation.....	55
6.9.3.5.3.1 “Update Expense Category” page data validation=Pass	55
6.9.3.5.3.2 “Update Expense Category” page data validation=Fail	55
6.9.3.6 Requirements: “Delete Expense Category” Pop Up	56
6.9.3.6.1 Display “Delete Expense Category Pop Up”	56
6.9.3.6.2 “Delete Expense Category” Page Navigation	56
6.9.3.7 Requirements: “Enable/Disable” Action Button	58
6.9.3.7.1 Display “Enable /Disable”	58
6.9.3.7.2 “Enable/Disable” Page Navigation	58
6.9.4 Requirements: “Payment Account Type” Page	60
6.9.4.1 Display “Payment Account Type” Page	60
6.9.4.2 “Payment Account Type” Page Navigation	60
6.9.4.3 Requirements: “Add Payment Account Type Right Side” Page	62
6.9.4.3.2 “Add Payment Account Type” Page Data Field	62
6.9.4.3.3 “Add Payment Account Type” page Validation.....	63
6.9.4.3.3.1 “Add Payment Account Type” page data validation=Pass	63
6.9.4.3.3.2 “Add Payment Account Type” page data validation=Fail	63
6.9.4.4 Requirements: “View Payment Account Type” Right Side Page	65
6.9.4.4.1 Display “View Payment Account Type” Page	65

6.9.4.4.2 “View” Page Navigation	65
6.9.4.5 Requirements: “Payment Account Type Right Side” Page	67
6.9.4.5.1 Display “Payment Account Type Right Side” Page	67
6.9.4.5.2 “Update Payment Account Type” Page Data Field	67
6.9.4.5.3 “Update Payment Account Type” page Validation	69
6.9.4.5.3.1 “Update Payment Account Type” page data validation=Pass.....	69
6.9.4.5.3.2 “Update Payment Account Type” page data validation=Fail	69
6.9.4.6 Requirements: “Delete Payment Account Type” Pop Up	69
6.9.4.6.1 Display “Delete Payment Account Type Pop Up”	69
6.9.4.6.2 “Delete Payment Account Type” Page Navigation.....	70
6.9.4.7 “Enable/Disable” Action Button.....	71
6.9.4.7.1 Display “Enable /Disable”	71
6.9.4.7.2 “Enable/Disable” Page Navigation	71
6.9.5 Requirements: “Profile” Page	73
6.9.5.1 Display “Profile” Page	73
6.9.5.2 “Profile” Page Navigation.....	73
6.9.5.3 Requirements: Change Name Page.....	75
6.9.5.3.1 Display “Change Name” Page	75
6.9.5.3.2 “Change Name” Data Field.....	75
6.9.5.3.3 “Change Name” page Validation.....	76
6.9.5.3.3.1 “Change Name” page data validation=Pass	76
6.9.5.3.3.2 “Change Name” page data validation=Fail	76
6.9.6 Requirements: “Security” Page.....	77
6.9.6.1 Display “Security” Page	77
6.9.6.2 “Security” Page Navigation	77
6.9.6.3 Requirements: Change Password.....	79
6.9.6.3.1 Display “Change Password” Page.....	79

6.9.6.3.2 “Change Password” Data Field	79
6.9.6.3.3 “Change Password” page Validation	80
6.9.6.3.3.1 “Change Password” page data validation=Pass	80
6.10.6.3.3.2 “Change Password” page data validation=Fail.....	80

1. Scope

The NSNL business would like to introduce a new “online website” capability for personal finance use, where it provides a website to register and track manually all the expenses, loans and investments. That way the time to register the information would easier compare to in excel file.

2. System(s) Impacted

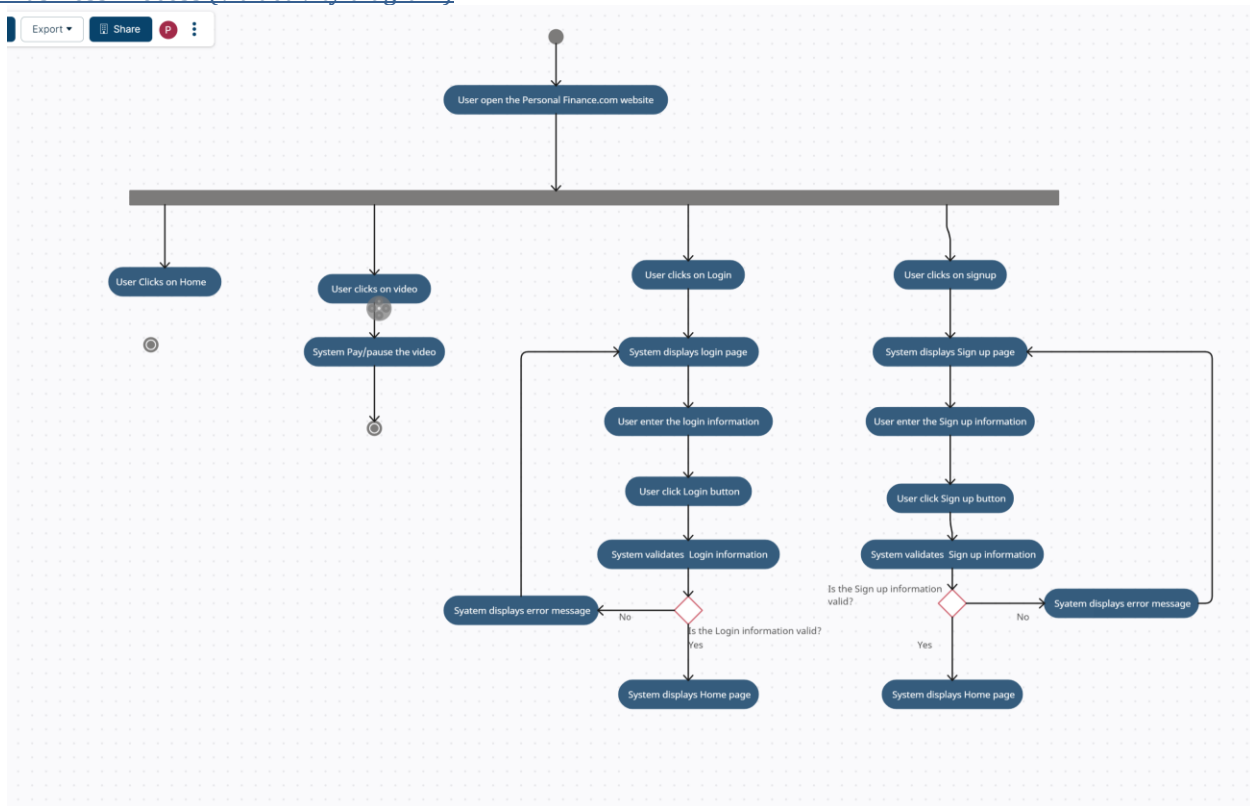
Online website capability will be added for personal use website called “personal finance.com”.

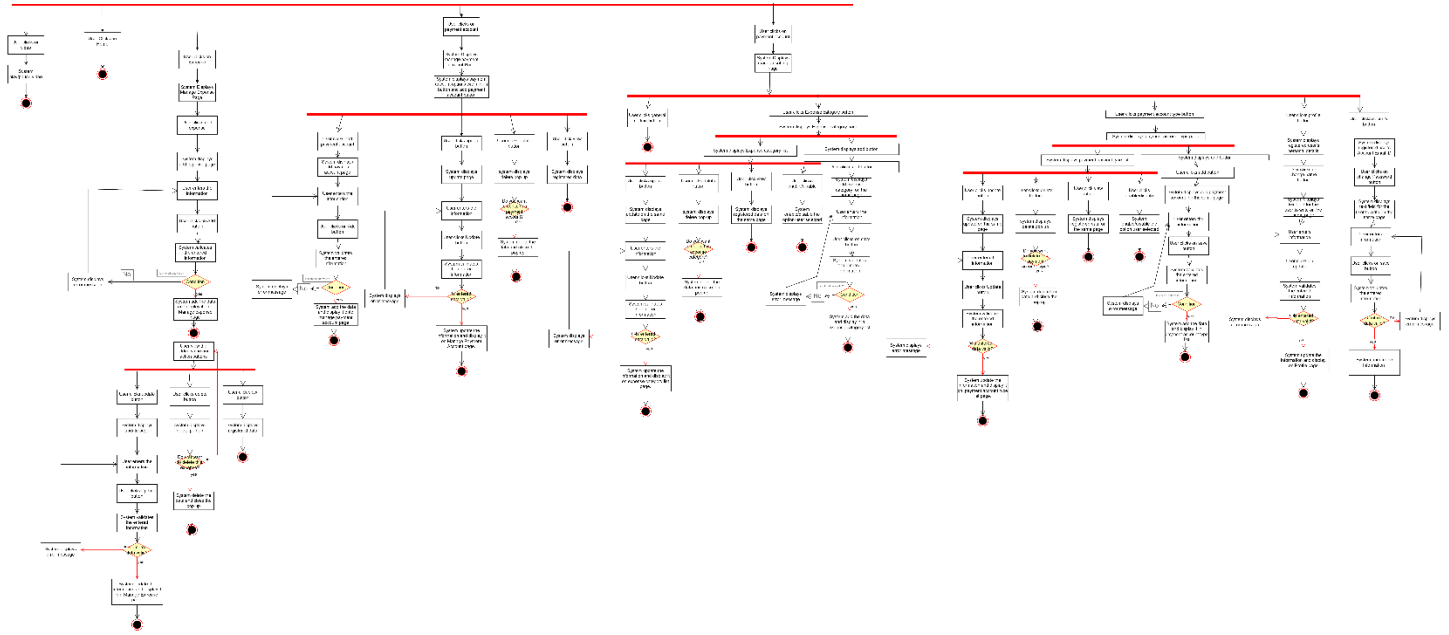
3. Assumption(s)/Dependencies

N/A

4. As-Is Business Process (via activity diagram)

5. To Be Business Process (via activity diagram)





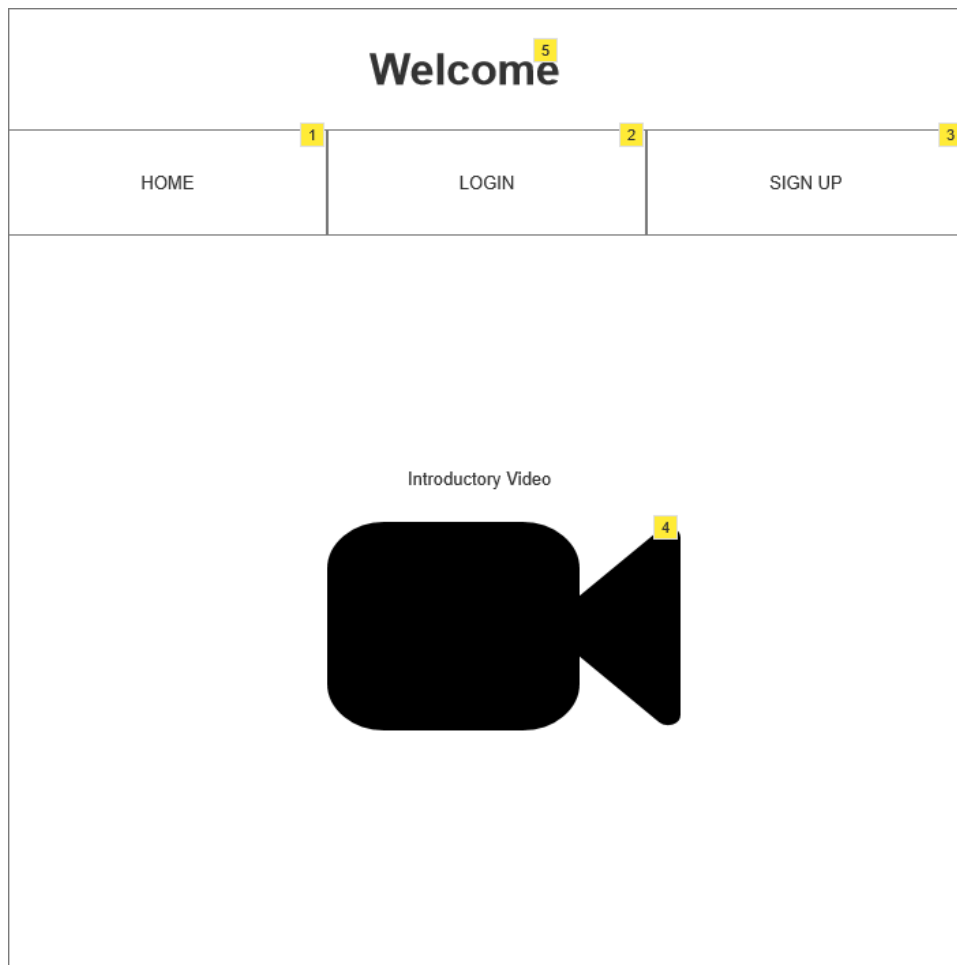
6. Requirements:

6.1 Requirements: 'Welcome' page

6.1.1 Display 'Welcome' Page.

System shall display the following on 'Welcome' page.

Home page Wire Frame



6.1.2 'Welcome' page Navigation

On clicking, system shall work below mentioned.

Note number	Name	Note
1	Home-Navigation Button	When a user clicks HOME, display Welcome page.
2	Login-Navigation Button	When user clicks Login, display Login page.
3	Sign up-Navigation Button	When the user clicks sign up, display sign up page.
4	Introductory Video- Video Button	When the user clicks on video, play/pause the video.
5	Welcome-Label	"Welcome" Label will display above Navigation Bar in Center.

6.2 Requirements: Login Page

6.2.1 'Login' Page Data Field

System shall display the following data fields on 'Login' Page.

Login Page Wire Frame

The wire frame diagram illustrates the layout of the Login page. At the top, there is a navigation bar with three buttons: 'HOME' (labeled 1), 'LOGIN' (labeled 2), and 'SIGN UP' (labeled 3). Below the navigation bar, the main content area features a large 'Login' heading (labeled 7). Underneath the heading, there are two input fields: 'Email' (labeled 3) and 'Passwo' (labeled 4). Below these input fields, there are two buttons: 'Sign up' (labeled 5) and 'Login' (labeled 6).

Login Page Data Field Table

Note number	Name	Note
1	Home- Navigation Button	When the user clicks on Home, it display Welcome page.
2	Sign up-Navigation Button	When the user click on Sign up, display sign up page.
3	Email ID- Text Bod	Required field AlphaNumeric, special character Min. Char.1 Max.Char.50

Note number	Name	Note
4	Password-Text Box	Required Field AlphaNumeric, special character Min.Char.8 Max.Char.25 Entered data is masked.
5	Sign Up-Command Button	On click sign up, display sign up page.
6	Login-Command Button	On click Login, If all validations pass, display home page, else display error message.
7	Login-Label	"Login" Label will display above the Navigation Bar in Center.

6.2.1 'Login' Page data validations

On click 'Login' command button, system shall perform the following validations:

- a. All the required data is entered.
- b. All the entered data is valid.
- c. Validation requirements for Email ID shall be handled by browser.
- d. Validation requirements for password shall match with Rejex criteria.
- e. Entered Email Id is registered Email ID.

6.2.1.1 "Login" page data validation=Pass

In the event of passing all validations, display 'Home' page in the same window.

6.2.1.2 "Login" page data validation=Fail

In the event of failure of one or more validations, display the error messages as shown below. Error shall display below navigation bar.

Failed Validation	Error Message Displayed
a. All the required data is entered.	<Data Field> is a required field. Please enter a value for <Data Field>.
b. All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Filed>
c. Validation requirements for Email ID shall be handled by browser.	<Email ID> is invalid format. Please enter a different Email ID.
d. Validation requirements for password shall match with Rejex criteria	Enetred password does not match the <validation requirement>. Please enter a valid password.
e. Entered Email Id is registered Email ID	Unauthorised user. Please enter the registered Email ID.

6.3 Requirements: Sign Up Page

6.3.1 'Sign Up' Page Data Field

System shall display the following data fields on 'Login' Page.

Sign Up Page Wire Frame

The wireframe shows a 'Sign Up' page layout. At the top is a header with the title 'Sign Up' (labeled 8). Below the header is a navigation bar with three buttons: 'HOME' (labeled 1), 'LOGIN' (labeled 2), and 'SIGN UP'. The main content area contains four input fields: 'First Name' (labeled 3), 'Last Name' (labeled 4), 'Email' (labeled 5), and 'Password' (labeled 6). Below these fields is a blue 'Sign Up' button (labeled 7).

Sign Up Page Data Field Table

Note number	Name	Note
1	Home- Navigation Button	On click Home, display welcome page.
2	Login-Navigation Button	On click login, display login page
3	First Name-Text Box	Required field AlphaNumeric, special character Min.Char.1 Max.Char.25

Note number	Name	Note
4	Last Name- Text Box	Required field AlphaNumeric, special character Min.Char.1 Max.Char.25
5	Email-Text Box	Required field AlphaNumeric, special character Min.Char.1 Max.Char.50
6	Password- Text Box	Required Field AlphaNumeric, special character Min.Char.8 Max.Char.25 Entered data is masked.
7	Sign Up-Command Button	On click sign up, if all validations passes, display home page, else display error message.
8	Sign Up-Label	"Sign Up" Label will display above Navigation Bar in Center.

6.3.2 'Sign Up' Page data validations

On click 'Login' command button, system shall perform the following validations:

- All the required data is entered.
- All the entered data is valid.
- Validation requirements for Email ID shall be handled by browser.
- Validation requirements for password shall match with Rejex criteria.
- Entered Email ID is unique

Failed Validation	Error Message Displayed
a. All the required data is entered.	<Date Field> is a required field. Please enter a value for <Data Field>.
b. All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Filed>
c. Validation requirements for Email ID shall be handled by browser.	<Email ID> is invalid format. Please enter a different Email ID.
d. Validation requirements for password shall match with Rejex criteria	The enetred password does not match the <validation requirement>. Please enter a valid password.
e. Enetred Email ID is unique.	<Email ID> is already associated with the registered account. Please enter different Email ID.

6.3.2.1 "Home" page data validation=Pass

In the event of passing all validations, display 'Home' page in the same window.

6.3.2.2 "Home" page data validation=Fail

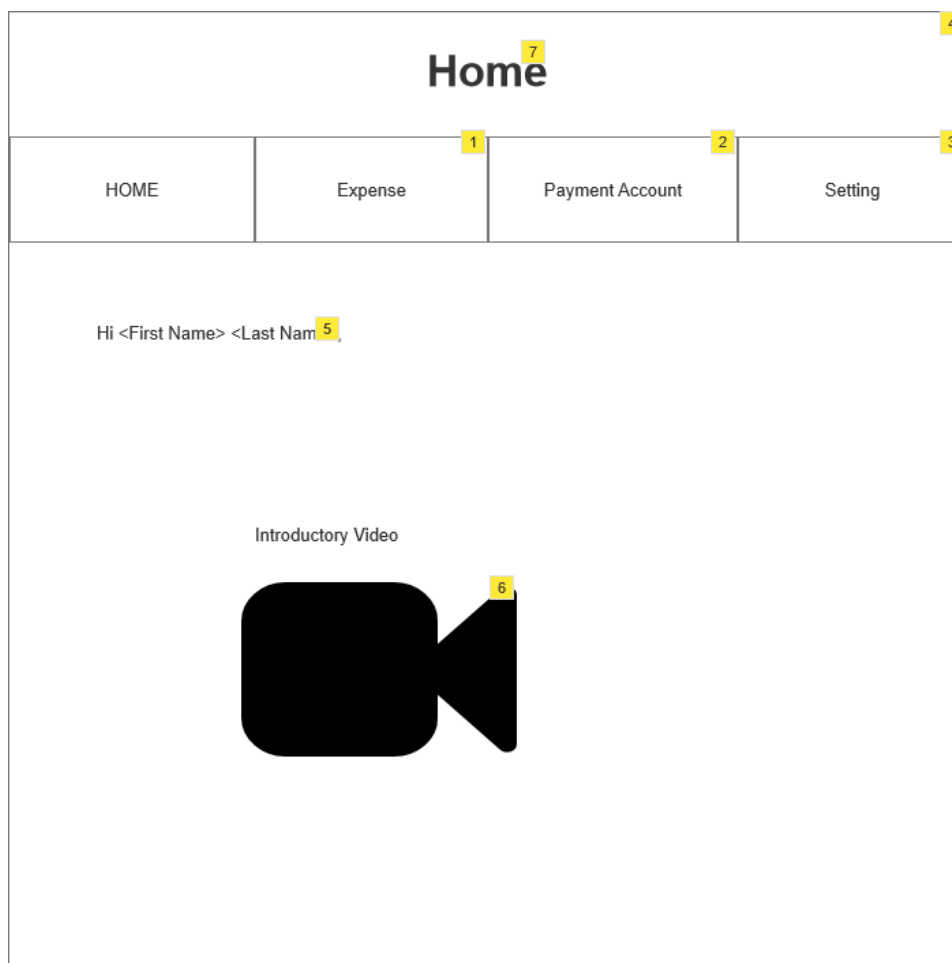
In the event of failure of one or more validations, display the error messages as shown below. Error shall display below navigation bar.

6.4 Requirements: Home Page

6.4.1 Display 'Home' Page

System shall display the following on the 'Home' Page.

Home Page Wire Frame



6.4.2 "Home" Page Navigation

On clicking, system shall work below mentioned.

Note number	Name	Note
1	Expense-Navigation Button	On click Expense, display expense page.
2	Payment Account-Navigation Button	On click payment account, display payment page.
3	Setting-Navigation Button	On click setting, display setting page.
4		
5	Label	"Hi <First Name> <Last Name>," display on the left-hand side below navigation Bar.
6	Introductory Video-Video	On click play, play/pause video.
7	Home-Label	"Home" Label will display above Navigation Bar in Center.

6.5 Requirements: Expense Page

6.5.1 Display “Expense” Page

System shall display the following on the “Expense” page.

Expense Page Wire Frame

The wire frame for the Expense Page consists of a header section and a main content area. The header section contains a navigation bar with four buttons: HOME (labeled 1), Expense (labeled 2), Payment Account (labeled 3), and Setting (labeled 4). The main content area features a large 'Add Expense' button (labeled 5) and a message 'There are no expenses.' (labeled 6) centered below it. The title 'Manage Expense' (labeled 6) is positioned at the top center of the main content area.

6.5.2 “Expense” page Navigation

On clicking, system shall work below mentioned.

Note number	Name	Note
1	Home- Navigation Button	On click home, display the home page.
2	Payment Account- Navigation Button	On click, display payment account page.
3	Setting-Navigation Button	On click, display setting button.
4	Add Expense-Command Button	On click, display add expense page.
5	Label	"There are no expenses" will display in center.
6	Manage Expense-Label	"Manage Expense" Label will display above Navigation Bar in Center.

6.6 Requirements: “Add Expense” Page

6.6.1 “Add Expense” Page Data Field

The system shall display the following data fields.

“Add Expense” Page Wire Frame

The wireframe shows a form for adding an expense. It includes a navigation bar with four buttons: HOME, Expense, Payment Account, and Setting. The main form area contains the following fields and controls:

- Bill Name**: Text input field.
- Bill Amount**: Text input field.
- Payment Account**: Dropdown menu with 'Select' as the placeholder.
- Expense Category**: Dropdown menu with 'Select' as the placeholder.
- Description**: Text input field.
- Receipt**: Upload button with an upward arrow icon.
- Tag**: Text input field.
- Verify**: Button with a red X icon and a 'Click to Verify' label.
- Expense Date**: Calendar icon.
- Expense Breakdown**: Dropdown menu.
- Cancel**: Blue button.
- Add**: Blue button.

“Add Expense” Page Data Field Table

Note number	Name	Note
1	Home-Navigation Button	On click, display home page
2	Expense-Navigation Button	On click, display expense page
3	Payment account-Navigation Button	On click, display payment account page
4	Setting-Navigation Button	On click, display setting page.
5	Bill Name-Text Box	Required field Any characters Min.char.1 max.char.50

Note number	Name	Note
6	Bill Amount-Text Box	not required field Integer and real number
7	Payment Account-Drop Down	No default selection-Select is default. Options from <payment account type list>
8	Expense category-Drop Down	No default selection. Select is default. Options are <expense category list>
9	Description-Text Box	min.char.0 max.char.150 any characters
10	Receipt-File Upload Button	On click file upload button, windows explorer will pop up for the user to select the document/image file.
11	Tags- Text Box	10 tags comma separated values Any character
12	Verify-unverified badge	Unverified is the default selection
13	Click to verify-Command Button	On click, Open the popup: "Do you want to verify this expense?" as shown in "Verify Pop Up" wire frame
14	Expense Date- calendar Widget	Default selection is today's date. user can choose any date from future or past.
15	Expense Breakdown-Component	On click, One Row will display below. User can type in the columns. The column names are shown below. Item name, amount, item category, description tags. Refer "Expense Breakdown" wire frame below.
16	Cancel-Command Button	On click, discard all the data and display expense page.
17	Add-Command Button	On click, add data and display it on expense page.
18	Manage Expense-Label	"Manage Expense" Label will display above Navigation Bar in Center.

6.6.3 Requirements: "Verify Pop Up" Option

6.6.3.1 Display "Verify Pop Up"

The system shall display the following on click of "Click to verify".

“Verify Pop Up” Wire Frame

Manage Expense ²⁰

HOME ¹ Expense ² Payment Account ³ Setting ⁴

Bill Name ⁵

Bill Amount ⁶

Payment Account ⁷

Expense Category ⁸

Description ⁹

Receipt ¹⁰

Tag ¹¹

Verified ¹² ☐

Expense Date ¹⁴

Expense Breakdown ¹⁵

Cancel ¹⁶ Add ¹⁷

Do you want to verify this expense manually? ¹⁸ ¹⁹

Yes ¹⁸ No ¹⁹

6.6.3.2 “Verify Pop Up” Navigation

On clicking, system shall perform the following.

Note number	Name	Note
18	Pop up Yes-Command Button	On click yes, close the pop up and display verified badge as shown in “Verified” wire frame.
19	Pop up No-Command Button	On click, no change will appear and close the pop-up.

"Verified" Wire Frame

9

Manage Expense

2

HOME

1

Expense

3

Payment Account

4

Setting

Bill Name:*

Bill Amount:

Payment Account:

Select

Expense Category:

Select

Description:

Receipt:



Tags:

Verify:



Expense Date

6



Expense Breakdown

5

Cancel

7

Add

8

6.6.4 Requirements: “Expense breakdown” Option

6.6.4.1 Display “Expense Breakdown”

The system shall display the following on click of “Expense Breakdown”.

“Expense Breakdown” Wire Frame

6.6.4.2 “Expense Breakdown” data field

“Expense Breakdown” Data Field Table

Note number	Name	Note
1	Expense Date	Default selection is today's date. user can choose any date from future or past.
2	Item Name-Text Box in table	min.char.1 max.char.50 Any character

Note number	Name	Note
3	Amount-Text Box in table	Infinity max number Any numbers with decimal upto 2. If user add more than 2 decimal then system automatically convert it to the round figure.
4	Item Category- Drop Down in Table	No default selection Options are <expense category list>
5	Description-Text Box in Table	min.char.1 max.char.10 any characters
6	Tags-Text Box in Table	10 tags comma separated values. Any character
7	Cancel-Command Button	On click, go to expense page.
8	Add-Command Button	On click, add the expense, go to expense page and display on expense page in table format.
9	Home:Navigation Button	On click, go to home button
10	Expense-Navigation Button	On click, Go to expense page
11	Payment Account-Navigation Button	On click, go to payment account
12	Setting-Navigation Button	On click, go to setting button.
13	Click to verify-Command Button	On click, go to verify page.
14	Manage Expense-Label	"Manage Expense" Label will display above Navigation Bar in Center.

6.6.4.3 "Expense Breakdown" page validations.

On click of 'Add' command button, system shall perform following validations.

- a. All required data is entered
- b. All the entered data is valid
- c. Tags are separated by comma

6.6.4.4 "Expense Breakdown" page data validation=Pass

In the event of passing of all the validations, display added value in 'expense page list table' on expense page as shown in 'expense page after adding data' page wire frame.

6.6.4.5 "Expense Breakdown" page data validation=Fail

In the event of the failure of one or more validations, display the error message as shown below.

Failed Validation	Error Message
All required data is entered	<Data Field> is a required field. Please enter a valid value for <Data Field>.

All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Field>
Tags are separated by comma	Value for tags are separated by comma. Please try again.

6.7 Requirements: “Expense Page after Adding Expense” Page

6.7.1 Display Expense addition on “Expense page after Adding Expense” page

The system shall display the following on click of “Add” on “Add Expense” page.

“Expense Page after Adding Expense” Wire Frame

Manage Expense¹⁰

HOME ¹	Expense ²	Payment Account ³	Setting ⁴
-------------------	----------------------	------------------------------	----------------------

Add Expense⁵

Paymer Account ⁹	Expense date	Bill Name	Amount	Category	Verified	Tags	Description	Actions
<Payment Account>	<Expense Date>	<Bill Name>	<Bill Amount>	<Expense Category>	<verify>	<Tags>	<Desription>	⁶ ⁷ ⁸ Expense Breakdown

6.7.2 “Expense page after Adding Expense” page Navigation

On clicking, system shall work the following.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	Add Expense-Command button	On click, display add expense page.
6	Update-Action Button	On click, display update expense page.
7	Delete-Action Button	On click, display pop up : Do you want to delete this expense?

Note number	Name	Note
8	View-Action Button	On click, expand expense breakdown listed item. All the entered values will display. If no value then it will display dash (-).
10	Manage Expense-Label	"Manage Expense" Label will display above Navigation Bar in Center.

6.7.3 Requirements: “Update Expense” page

6.9.3.1 Display “Update Expense” page

On click of update action button, the system shall display the already filled values in the data field. If there is no value then system shall display default option or blank.

“Update Expense” Wire Frame

6.7.3.2 “Update Expense” page Data field

The system shall display the following data field on click of update action.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.

Note number	Name	Note
5	Expense Breakdown-Component	On click, One row will display below. User can type in the columns. The column names are shown below. Item name, amount, item category, description tags. If no value then display blank.
6	Cancel-Command Button	On click, discard all data and display expense page.
7	Update- Command Button	On click, update expense and display it on expense page.
8	Bill Name-Text Box	Required field Any characters Min.char.1 max.char.50
9	Bill Amount-Text Box	not required field Integer and real number If no value then display blank.
10	Payment Account-Drop Down	If no value then display default selection. Select is default selection Options from <payment account type list>
11	Expense category-Drop Down	If no value then display default selection. No default selection. Select is default. Options are <expense category list>
12	Description-Text Box	If no value then display blank. min.char.0 max.char.150 any characters
13	Receipt-File Upload Button	If no value then display File upload button. On click file upload button, windows explored will pop up for the user to select the document/image file.
14	Tags- Text Box	If no value then display blank. 10 tags comma separated values Any character
15	Verify-unverified badge	If no value then display default selection as unverified. and display click to verify command button. If it is verified then only display verified badge.
16	Expense Date- calendar Widget	If no value then display default today's date. Default selection is today's date. user can choose any date from future or past.

Note number	Name	Note
18	Manage Expense-Label	"Manage Expense" Label will display above Navigation Bar in Center.

6.7.3.3 "Update Expense" page validations

On click of 'update' command button, system shall perform following validations.

- a. All required data is entered
- b. All the entered data is valid
- c. Tags are separated by comma

6.7.3.3.1 "Update Expense" page data validation=Pass

In the event of passing all the validations, display the updated value on the "Expense page".

6.7.3.3.2 "Update Expense" page data validation=Fail

In the event of the failure of one or more validations, display the error message as shown below.

Failed Validation	Error Message
All required data is entered	<Data Field> is a required field. Please enter a valid value for <Data Field>.
All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Field>
Tags are separated by comma	Value for tags are separated by comma. Please try again.

6.7.4 Requirements: “Delete Expense Pop Up” Option

6.7.4.1 Display “Delete Expense Pop Up”

The system shall display the following on click of “delete action button”.

The screenshot shows a web application titled "Manage Expense". It has a navigation bar with four tabs: "HOME", "Expense", "Payment Account", and "Setting". The "Expense" tab is currently selected. A modal dialog box is displayed in the center of the screen. The dialog box has a title bar that says "Do you want to delete this expense?" with a close button (X) in the top right corner. Below the title bar is a large empty rectangular area. At the bottom of the dialog box, there are two buttons: "Yes" and "No". The "Yes" button is highlighted with a yellow square and the number "1", and the "No" button is highlighted with a yellow square and the number "2".

6.7.4.2 “Delete Expense Pop Up” Navigation

Note number	Name	Note
1	Yes-Command Button	On click yes, delete this expense in expense page.
2	No-Command Button	On click no, display no change on expense page.

6.7.5 Requirements: “View Expense” Option

6.7.5.1 Display “View Expense”

On clicking view action button, system shall expand the raw to view the filled values.

“View Expense” Wire Frame

Manage Expense

HOME Expense Payment Account Setting

Add Expense

Payment Account	Expense date	Bill Name	Amount	Category	Verified	Tags	Description	Actions
<Payment Account>	<Expense Date>	<Bill Name>	<Bill Amount>	<Expense Category>	<verify>	<Tags>	<Description>	Expense Breakdown: Expense Item Name: <Item Name> Amount: <Amount> Expense Category: <Expense Category> Description: <Description> Tags: <Tags>

6.7.5.2 “View Expense” Navigation

The system shall perform the following.

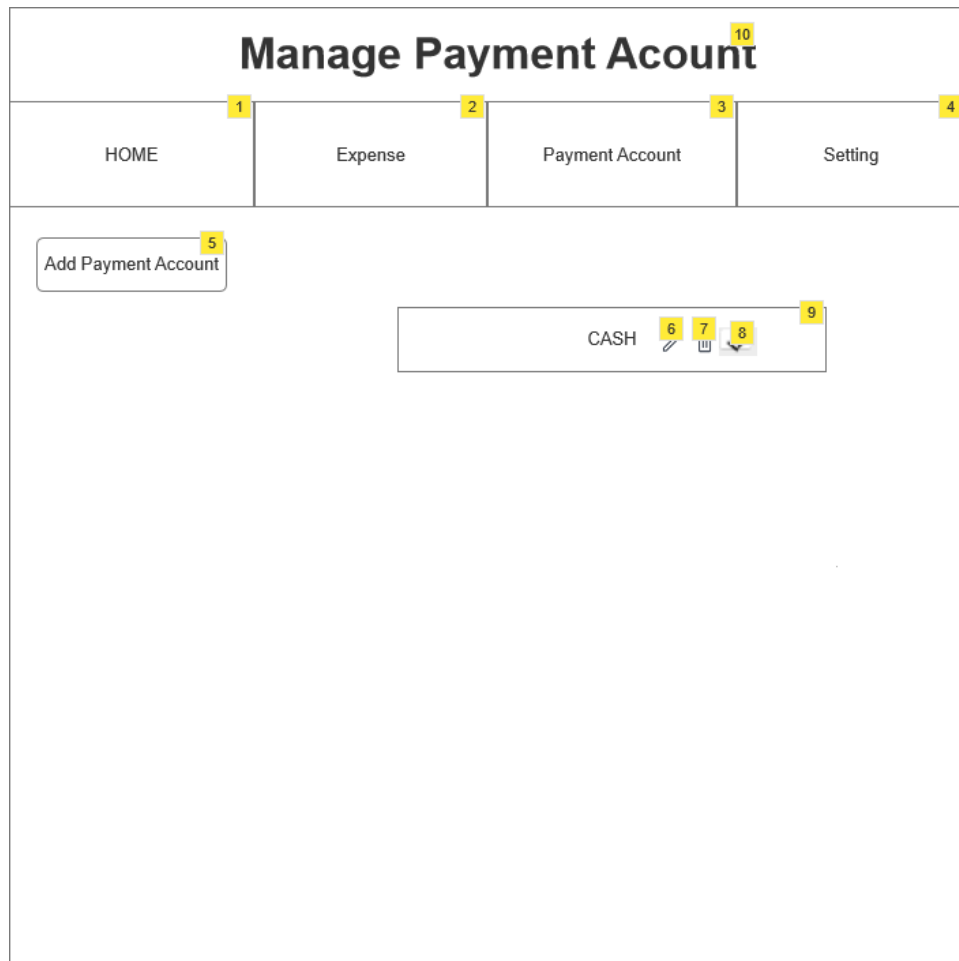
Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
3	Expense-Navigation Button	On click, Go to expense page
4	Payment Account-Navigation Button	On click, go to payment account
5	Setting-Navigation Button	On click, go to setting button.
6	Add Expense-Command button	On click, display add expense page.

Note number	Name	Note
7	Table	<p>Payment Account: <payment account> or if there is no value then it will display "-".</p> <p>Expense date:<Expense date> or if there is no value then it will display "-".</p> <p>Bill Name:<Bill Name> or if there is no value then it will display "-".</p> <p>Amount: <Amount> or if there is no value then it will display "-".</p> <p>Category: <Category> or if there is no value then it will display "-".</p> <p>Verified: <payment account> or if there is no value then it will display unverified.</p> <p>Tags: <tags> or if there is no value then it will display "-".</p> <p>Description: <Description> or if there is no value then it will display "-".</p>
8	Manage Expense-Label	"Manage Expense" Label will display above Navigation Bar in Center.

6.8 Requirements: “Payment Account” Page

6.8.1 Display “Payment Account” page

On clicking “payment Account”, system shall display the “Payment Account” page in the same window.



6.8.2 “Payment Account” page Navigation

The system shall perform the following.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	Add Payment Account-Command Button	On click, go to add payment account page.
6	Update-Action Button	On click, go to update account page.
7	Delete-Action Button	On click,display pop up message: Do you want to delete this payment account?

Note number	Name	Note
8	View-Action Button	On click, display payment account values. If there is any value, it will appear else show dash (-).
9	Cash-Card Button	default payment account option.
10	Manage Payment Account-Label	"Manage Payment Account" Label will display above Navigation Bar in Center.

6.8.3 Requirements: “Add Payment Account” Page

6.8.3.1 “Add Payment Account” Data Field

On clicking “Add Payment Account”, system shall display the following data field.

“Add Payment Account” Wire Frame

“Add Payment Account” Data field Table

Note number	Name	Interactions	Note
1	Home:Navigation Button		On click, go to home button
2	Expense-Navigation Button		On click, Go to expense page
3	Payment Account-Navigation		On click, go to payment account
4	Setting-Navigation Button		On click, go to setting button.
5	Cancel-Command Button		On click, discard the entered values and go to payment account page.

Note number	Name	Interactions	Note
6	Add-Command Button		On click, if all validations pass add payment account and display it on payment account.
7	Short Name-Text Box		Required Field Alpha Numeric and special character (. , - ' ' " ") min.char.1 max.char.20
8	Institution Name-Text Box		Alpha Numeric and special character (. , - ' ' " ") min.char.0 max.char.25
9	Account Name-Text Box		Required Field Alpha Numeric and special character (. , - ' ' " ") min.char.0 max.char.50
10	Account Number/ID-Text Box		Alpha Numeric and special character (. , - ' ' " ") min.char.0 max.char.25
11	Account Type-Drop Down		No default selection. Select will appear on start. The list of values entered in the payment account type will appear in drop down options <Payment Account Type list>.
12	Tags-Text Box		5 tags tags can be comma (,) seperated value.
13	Description-Text Box		Any character min.char.0 max.char.150
14	Manage Payment Account-Label		"Manage Payment Account" Label will display above Navigation Bar in Center.

6.8.3.2 "Add Payment Account" page Validation

On click of 'Add' command button, system shall perform following validations.

- All required data is entered
- All the entered data is valid
- Tags are separated by comma

6.8.3.2. "Add Payment Account" page data validation=Pass

In the event of passing all the validations, add the payment account value on payment account page..

6.8.3.3.2 "Update Payment" page data validation=Fail

In the event of the failure of one or more validations, display the error message as shown below.

Failed Validation	Error Message
-------------------	---------------

All required data is entered	<Data Field> is a required field. Please enter a valid value for <Data Field>.
All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Field>
Tags are separated by comma	Value for tags are separated by comma. Please try again.

6.8.4 Requirements: Update Payment Account Page

6.8.4.1 "Update Payment Account" Data Field

On clicking "Update Payment Account", system shall display the following data field.

"Update Payment Account" Wire Frame

6.8.4.2 "Update Payment Account" page Data field

The system shall display the following data field on click of update action.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	Short Name-Text Box	Required Field Alpha Numeric and special character (. , - _ ' ' " ") min.char.1 max.char.20

Note number	Name	Note
6	Institution Name-Text Box	Already values will appear, if no value then it appear as blank. Alpha Numeric and special character (. , - _ ' ' " ") min.char.0 max.char.25
7	Account Name-Text Box	Required Field Alpha Numeric and special character (. , - _ ' ' " ") min.char.0 max.char.50
8	Account Number/ID-Text Box	Already values will appear, if no value then it appear as blank. Alpha Numeric and special character (. , - _ ' ' " ") min.char.0 max.char.25
9	Account Type-Drop Down	Already values will appear, if no value then it appear as select option. value options in account type are displayed <Payment Account Type list>.
10	Tags-Text Box	Already values will appear, if no value then it appear as blank. 5 tags tags can be comma (,) seperated value.
11	Description-Text Box	Already values will appear, if no value then it appear as blank. Any character min.char.0 max.char.150
12	Cancel-Comman Button	On click, discard the enetered values and go to payment account page.
13	Update-Command Button	On click, if all validations pass add payment account and display it on payment account page.
14	Manage Payment Account-Label	"Manage Payment Account" Label will display above Navigation Bar in Center.

6.8.4.2 "Update Payment Account" page Validation

On click of 'Add' command button, system shall perform following validations.

- All required data is entered
- All the entered data is valid
- Tags are separated by comma

6.8.4.2.1 "Update Payment Account" page data validation=Pass

In the event of passing all the validations, add the payment account value on payment account page..

6.8.4.2.2 "Update Payment Account" page data validation=Fail

In the event of the failure of one or more validations, display the error message as shown below.

Failed Validation	Error Message
All required data is entered	<Data Field> is a required field. Please enter a valid value for <Data Field>.

All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Field>
Tags are separated by comma	Value for tags are separated by comma. Please try again.

6.8.5 Requirements: Delete "Payment Account" Page

6.8.5.1 Display "Delete Expense Pop Up"

The system shall display the following on click of "delete action button".

Delete Payment Account Wire Frame

Manage Payment Account

HOME Expense Payment Account Setting

Do you want to delete this payment account? x

Yes 1 No 2

6.8.5.2 “Delete Payment Account” Navigation

The system shall perform the following.

Note number	Name	Note
1	Yes-Command Button	On click, delete this payment account and go to payment account page.
2	No-Command Button	On click, no change and go to payment account page.

6.8.6 Requirements: “View Payment Account” Page

6.8.6.1 Display “View Payment Account”

On clicking view action button, system shall expand the raw to view the filled values.

“View Payment Account” Wire Frame

6.8.6.2 “View Payment Account” Page Navigation

The system shall perform the following.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	Add Payment Account-Command Button	On click, go to add payment account page.
6	Cash-Card Box	On click view, display all the filled values. If no value then display dash (-).
7	Update-Action Button	On click, go to updtae payment accooount page.

Note number	Name	Note
8	Delete-Action Button	On click, go to delete payment account page.
9	Manage Payment Account-Label	"Manage Payment Account" Label will display above Navigation Bar in Center.

6.9 Requirements: “Setting” Page

6.9.1 Display “Setting” Page

On clicking Setting, the system shall display the following.

“Setting” Wire Frame

The wireframe shows a page titled "Manage Setting". At the top, there is a navigation bar with four buttons: "HOME", "Expense", "Payment Account", and "Setting". The "Setting" button is highlighted. Below the navigation bar, there is a list of settings: "General Setting", "Expense Category", "Payment Account Type", "Profile", and "Security". Each setting is represented by a button. The "General Setting" button is highlighted.

6.9.2 “Setting” Page Navigation

The system shall perform the following.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting: Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account Type: Tab Button	On Click, Display expense category page
8	Profile: Tab Button	On Click, Display profile page

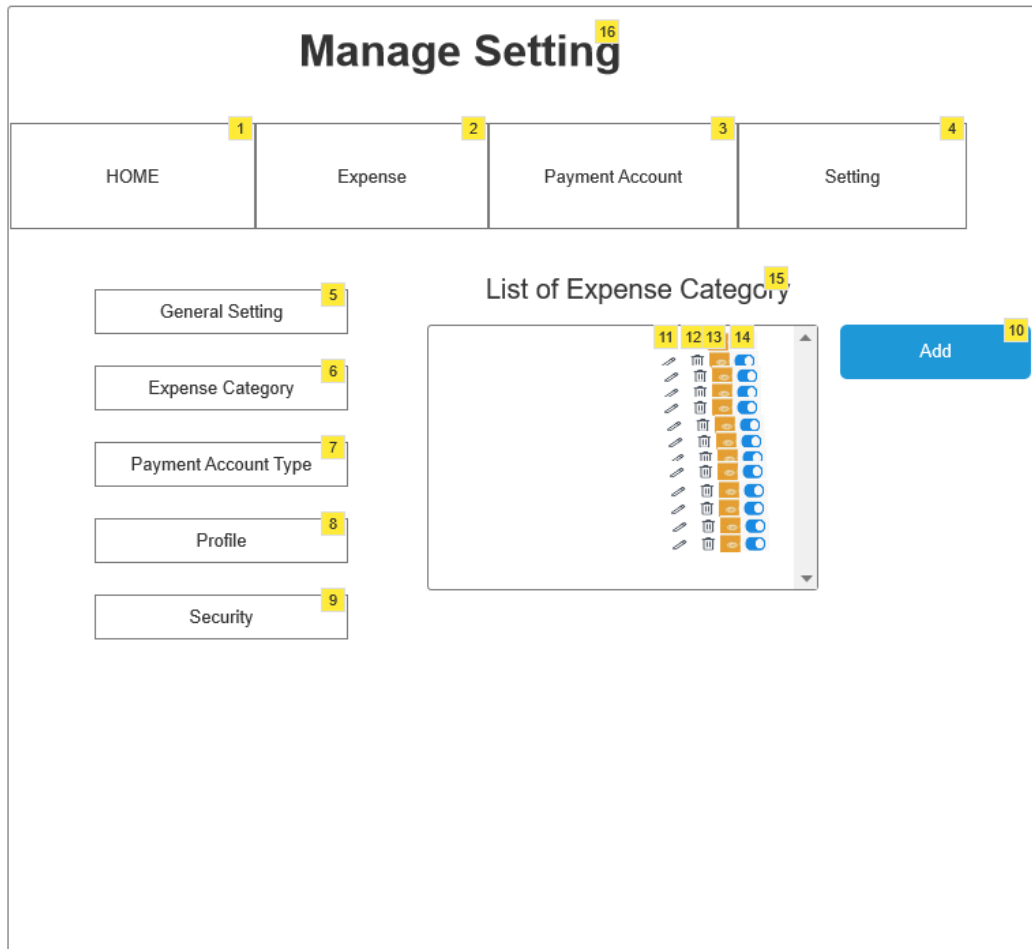
Note number	Name	Note
9	Security: Tab Button	On Click, Display security page
10	Label	"General Setting" values appear on the page on the right hand side.
11	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.3 Requirements: “Expense Category” Page

6.9.3.1 Display “Expense Category” Page

On clicking Expense Category, the system shall display the following.

“Expense Category” Wire Frame



6.9.3.2 “Expense Category” Page Navigation

The system shall perform the following.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting: Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page

Note number	Name	Note
7	Payment Account Type: Tab Button	On Click, Display expense category page
8	Profile: Tab Button	On Click, Display profile page
9	Security: Tab Button	On Click, Display security page
10	Add- Command Button	On click, open add expense category below.
11	Update- Action button	On click, open update page below
12	Delete-Action Button	On click, open delete popup: Do you want to delete this expense category?
13	View-Action Button	On click, open view of expense category list below
14	Enable/Disable-Action Button	On click, change status enable to disable or reverse.
15	Label	"List of Expense Category" values appear on the page on the right hand side.
16	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.3.3 Requirements: “Add Expense Category Right Side” Page

6.9.3.3.1 Display “Add Expense Category Right Side” Page

On clicking Add, the system shall display the following.

“Add Expense Category” Wire Frame

Manage Setting

HOME Expense Payment Account Setting

General Setting Expense Category Payment Account Type Profile Security

List of Expense Category

Icon	Name	Status
13		
14		
15		
16		

Name Status Color Description

☒ Enable Select a color

Cancel Save

6.9.3.3.2 “Add Expense Category” Page Data Field

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting: Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account Type: Tab Button	On Click, Display expense category page
8	Profile: Tab Button	On Click, Display profile page

Note number	Name	Note
9	Security: Tab Button	On Click, Display security page
10	Add- Command Button	On click, open add expense category below.
11	Cancel-Command Button	On click, discard all the entered values and go to expense category page.
12	Save-Command Button	On click, if all validations pass, add value in expense category list and display it in the list on expense category page.
13	View-Action Button	On click, open view of expense category list below
14	Update- Action button	On click, open update page below
15	Delete-Action Button	On click, open delete popup: Do you want to delete this expense category?
16	Enable/Disable-Action Button	On click, change status enable to disable or reverse.
17		Required field Alpha Numeric and special character (. , - _ ' ; " ") min.char.3 max.char.15
18	Name-Text Box	Required field Alpha Numeric and special character (. , - _ ' ; " ") min.char.3 max.char.15
19	Status-Check Box	Default option is enable. On click, user can uncheck and disable the option.
20	Color-Color Box	On click, user choose any color options displayed by browser. No default selection.
21	Description-Text Box	Any character min.char.0 max.char.100
22	Label	"List of Expense Category" values appear on the page on the right hand side.
23	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.3.3.3 "Add Expense Category" page Validation

On click of 'Save' command button, system shall perform following validations.

- All required data is entered
- All the entered data is valid

6.9.3.3.3.1 "Add Expense Category" page data validation=Pass

In the event of passing all the validations, add the payment account value on payment account page..

6.9.3.3.3.2 "Add Expense Category" page data validation=Fail

In the event of the failure of one or more validations, display the error message as shown below.

Failed Validation	Error Message
-------------------	---------------

All required data is entered	<Data Field> is a required field. Please enter a valid value for <Data Field>.
All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Field>

6.9.3.4 Requirements: "View Expense Category" Right Side Page

6.9.3.4.1 Display "View" Page

On clicking view action button, the system shall display the following.

"View" Page Wire Frame

6.9.3.4.2 "View" Page Navigation

The system shall perform the following.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting: Tab Button	On Click, Display setting page

Note number	Name	Note
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account Type: Tab Button	On Click, Display expense category page
8	Profile-Tab Button	On Click, Display profile page
9	Security: Tab Button	On Click, Display security page
10	Update-Command Button	On click, if all validations pass, add the entered value in expense category list and display it in expense category page, else display error "Entered value is invalid. Enter valid value.".
11	Delete-Command Button	On click, open pop up: do you want to delete this expense category?
12	Add-Command Button	On click, if all validations pass, add entered value and display it in the expense category list and go to expense tab.
13	View-Action Button	On click, open view of expense category list below
14	Update- Action button	On click, open update page below
15	Delete-Action Button	On click, open delete popup: Do you want to delete this expense category?
16	Enable/Disable-Action Button	On click, change status enable to disable or reverse.
17	Text Values	Display all the entered values else no values then display dash (-).
18	Label	"List of Expense Category" values appear on the page on the right hand side.
19	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.3.5 Requirements: "Update Expense Category Right Side" Page

6.9.3.5.1 Display "Update Expense Category Right Side" Page

On clicking Update, the system shall display the following.

"Update Expense Category" Wire Frame

Manage Setting ²²

HOME ¹ Expense ² Payment Account ³ Setting ⁴

General Setting ⁵

Expense Category ⁶

Payment Account Type ⁷

Profile ⁸

Security ⁹

List of Expense Category ²¹

Name	Status	Color	Description
13			
14			
15			
16			

Add ¹⁰

Name ¹⁷

Status ¹⁸ ☒ Enable

Color ¹⁹ Select a color

Description ²⁰

Cancel ¹¹ Update ¹²

6.9.3.5.2 "Update Expense Category" Page Data Field

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting: Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page

Note number	Name	Note
7	Payment Account Type: Tab Button	On Click, Display expense category page
8	Profile: Tab Button	On Click, Display profile page
9	Security: Tab Button	On Click, Display security page
10	Add-Command Button	On click, open add options below add button.
11	Cancel-Command Button	On click, discard all the entered values and go to expense category page.
12	Update-Command Button	On click, if all validations pass add entered value in expense category list, else display error message "entered value is invalid. Please display valid value".
13	View-Action Button	On click, open view of expense category list below
14	Update- Action button	On click, open update page below
15	Delete-Action Button	On click, open delete popup: Do you want to delete this expense category?
16	Enable/Disable-Action Button	On click, change status enable to disable or reverse.
17	Name-Text Box	Display entered value. Required field Alpha Numeric and special character (. , - _ ' ; " ") min.char.3 max.char.15
18	Status-Check Box	Display entered value else display enable option. User can uncheck and disable the option.
19	Color-Color Box	Display entered value else display blank value. User choose any color options displayed by browser.
20	Description-Text Box	Display entered value else display blank value. Any character min.char.0 max.char.100
21	Label	"List of Expense Category" values appear on the page on the right hand side.
22	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.3.5.3 "Update Expense Category" page Validation

On click of 'Update' command button, system shall perform following validations.

- a. All required data is entered
- b. All the entered data is valid

6.9.3.5.3.1 "Update Expense Category" page data validation=Pass

In the event of passing all the validations, add the payment account value on payment account page.

6.9.3.5.3.2 "Update Expense Category" page data validation=Fail

In the event of the failure of one or more validations, display the error message as shown below.

Failed Validation	Error Message
All required data is entered	<Data Field> is a required field. Please enter a valid value for <Data Field>.
All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Field>

6.9.3.6 Requirements: "Delete Expense Category" Pop Up

6.9.3.6.1 Display "Delete Expense Category Pop Up"

The system shall display the following on click of the "delete action button".

The screenshot shows a web application interface with a top navigation bar containing 'HOME', 'Expense', 'Payment Account', and 'Setting'. Below the navigation bar is a pop-up dialog titled 'Manage Setting'. The dialog has a close button (X) in the top right corner. The main text of the dialog asks 'Do you want to delete this expense category?'. At the bottom of the dialog, there are two buttons: 'Yes' (labeled with a yellow box containing the number 1) and 'No' (labeled with a yellow box containing the number 2).

6.9.3.6.2 "Delete Expense Category" Page Navigation

The system shall perform the following.

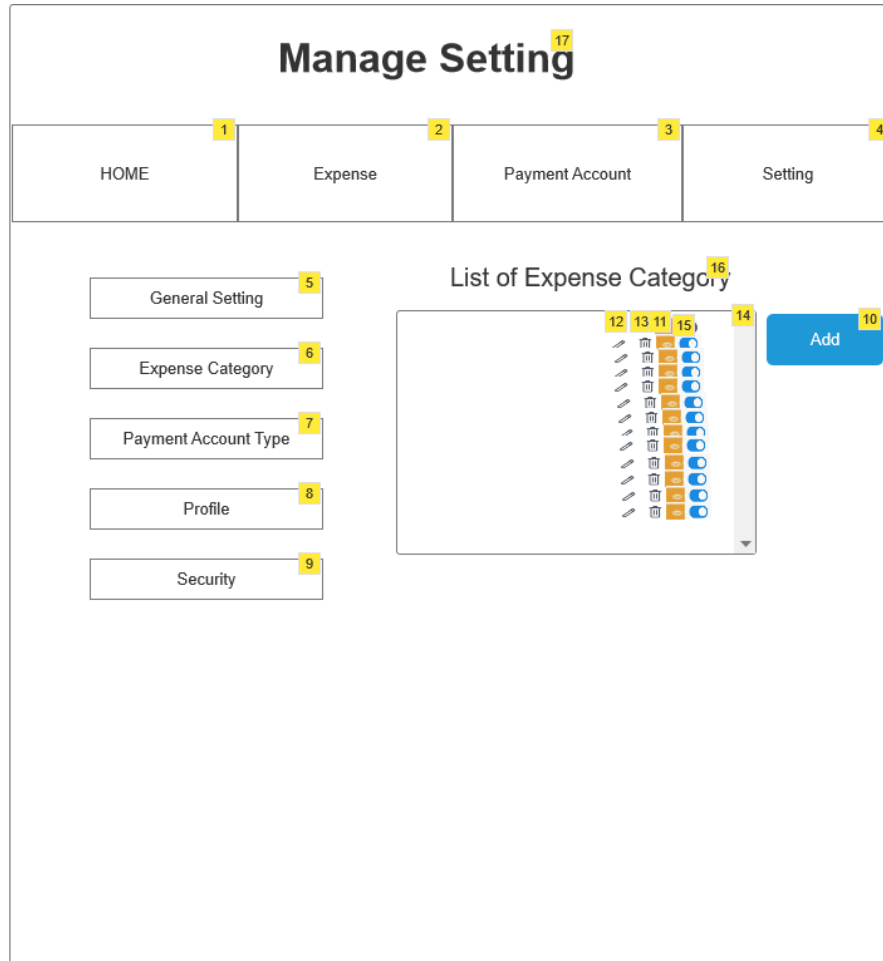
Note number	Name	Interactions	Note
1	Yes-Commad Button		On click, delete the enetered value in expense category list and go to expense category page.

Note number	Name	Interactions	Note
2	No-Command Button		On click, do not delete expense category item and go to expense category page.

6.9.3.7 Requirements: “Enable/Disable” Action Button

6.9.3.7.1 Display “Enable /Disable”

The system shall display the following on click of the “Enable/Disable”.



6.9.3.7.2 “Enable/Disable” Page Navigation

The system shall perform the following.

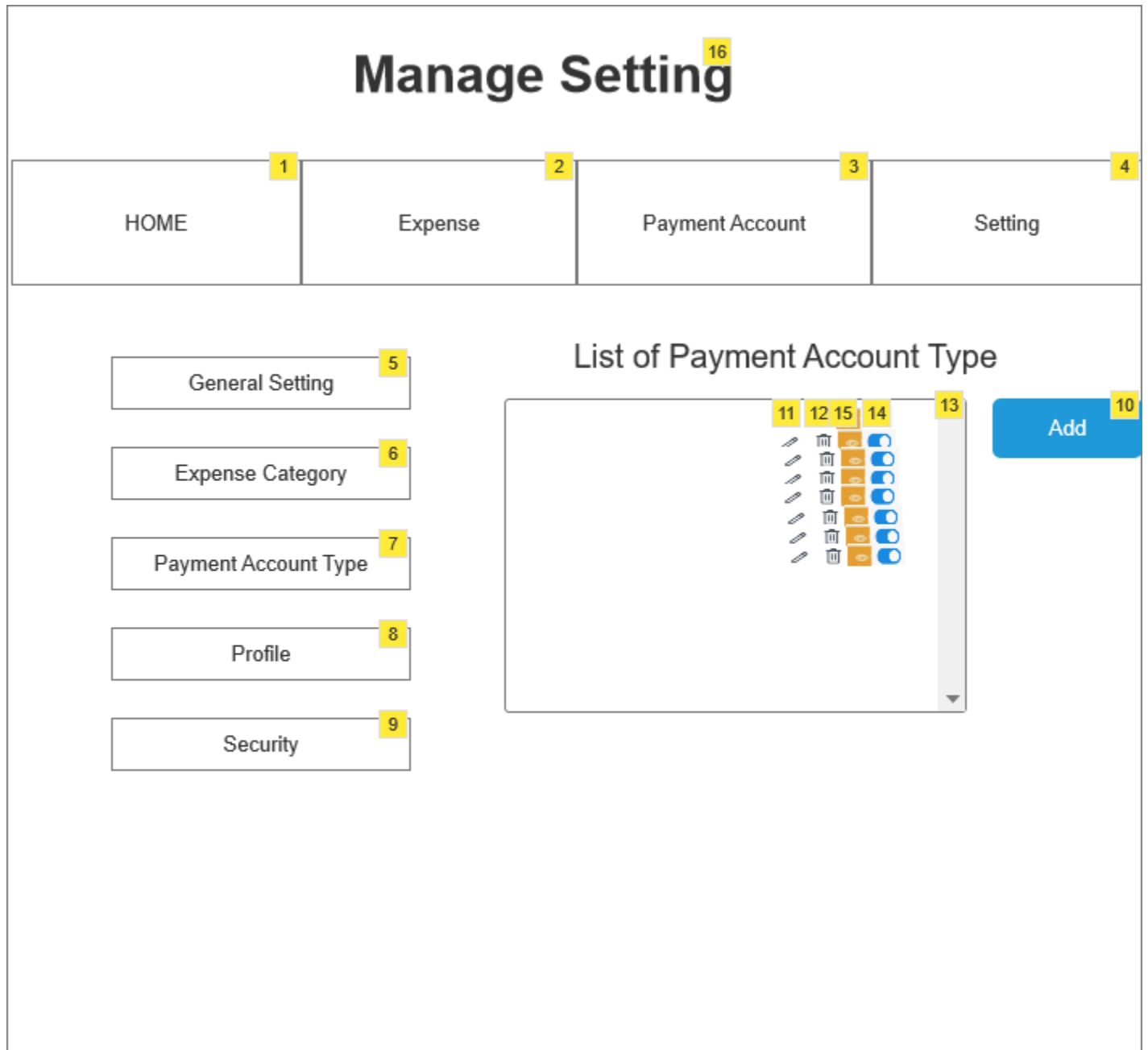
Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting: Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account Type: Tab Button	On Click, Display expense category page
8	Profile: Tab Button	On Click, Display profile page

Note number	Name	Note
9	Security: Tab Button	On Click, Display security page
10	Add-Command Button	On click, open add expense category below.
11	View-Action Button	On click, open view of expense category list below
12	Update- Action button	On click, open update page below
13	Delete-Action Button	On click, open delete popup: Do you want to delete this expense category?
14	Enable/Disable-Action Button	On click, change status enable to disable or reverse.
15		On click, change status enable to disable or reverse.
16	Label	"List of Expense Category" values appear on the page on the right hand side.
17	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.4 Requirements: "Payment Account Type" Page

6.9.4.1 Display "Payment Account Type" Page

On clicking Payment Account Type, the system shall display the following.



6.9.4.2 "Payment Account Type" Page Navigation

The system shall perform the following.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page

Note number	Name	Note
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting: Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account-Navigation Button	On click, go to payment account
8	Profile: Tab Button	On Click, Display profile page
9	Security: Tab Button	On Click, Display security page
10	Add- Command Button	On click, open add payment account type below.
11	Update- Action button	On click, open update page below
12	Delete-Action Button	On click, open delete popup: Do you want to delete this payment account type?
13		
14	Enable/Disable-Action Button	On click, change status enable to disable or reverse.
15	View-Action Button	On click, open view of epayment account type list below
16	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.4.3 Requirements: “Add Payment Account Type Right Side” Page

6.9.4.3.1 Display “Add Payment Account Type Right Side” Page

On clicking Add, the system shall display the following.

“Add Payment Account Type” Wire Frame

6.9.4.3.2 “Add Payment Account Type” Page Data Field

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting: Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account Type: Tab Button	On Click, Display expense category page

Note number	Name	Note
8	Profile: Tab Button	On Click, Display profile page
9	Security: Tab Button	On Click, Display security page
10	Add- Command Button	On click, open add payment account type below.
11	Cancel-Command Button	On click, discard all the entered values and go to payment account type page.
12	Save-Command Button	On click, if all validations pass, add value in expense category list and display it in the list on expense category page.
13	View-Action Button	On click, open view of expense category list below
14	Update- Action button	On click, open update page below
15	Delete-Action Button	On click, open delete popup: Do you want to delete this payment account type?
16	Enable/Disable-Action Button	On click, change status enable to disable or reverse.
17	Name-Text Box	Required field Alpha Numeric and special character (. , - _ ' ; " ") min.char.3 max.char.15
18	Status-Check Box	Default option is enable. On click, user can uncheck and disable the option.
19	Color-Color Box	On click, user choose any color options displayed by browser. No default selection.
20	Description-Text Box	Any character min.char.0 max.char.100
21	Label	"List of Payment Account Type" values appear on the page on the right hand side.
22	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.4.3.3 "Add Payment Account Type" page Validation

On click of 'Save' command button, system shall perform following validations.

- a. All required data is entered
- b. All the entered data is valid

6.9.4.3.3.1 "Add Payment Account Type" page data validation=Pass

In the event of passing all the validations, add the payment account value on payment account page..

6.9.4.3.3.2 "Add Payment Account Type" page data validation=Fail

In the event of the failure of one or more validations, display the error message as shown below.

Failed Validation	Error Message
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All required data is entered	<Data Field> is a required field. Please enter a valid value for <Data Field>.
All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Field>

6.9.4.4 Requirements: “View Payment Account Type” Right Side Page

6.9.4.4.1 Display “View Payment Account Type” Page

On clicking view action button, the system shall display the following.

“View” Page Wire Frame

Manage Setting ¹⁹

HOME ¹ Expense ² Payment Account ³ Setting ⁴

General Setting ⁵

Expense Category ⁶

Payment Account Type ⁷

Profile ⁸

Security ⁹

List of Payment Account Type ¹⁸

¹³	¹⁴	¹⁵	¹⁶

Update ¹⁰ **Delete** ¹¹ **Add** ¹²

Name ¹⁷: <Payment Account Type Name>

Status: <Payment Account Type Status>

Relations: <Payment Account Type Relation>

Color: <Payment Account Type>

Icon: <Payment Account Type>

Description: <Payment Account type Description>

Created Date: <Payment Account Type Sign up Date>

Last Updated Date: <Payment Account Type Last Updated date>

6.9.4.4.2 “View” Page Navigation

The system shall perform the following.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting: Tab Button	On Click, Display setting page

Note number	Name	Note
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account Type: Tab Button	On Click, Display expense category page
8	Profile-Tab Button	On Click, Display profile page
9	Security: Tab Button	On Click, Display security page
10	Update-Command Button	On click, if all validations pass, add the entered value in expense category list and display it in expense category page, else display error "Entered value is invalid. Enter valid value.".
11	Delete-Command Button	On click, open pop up: do you want to delete this payment account type?
12	Add-Command Button	On click, if all validations pass, add entered value and display it in the payment account type list and go to payment account type tab.
13	View-Action Button	On click, open view of expense category list below
14	Update- Action button	On click, open update page below
15	Delete-Action Button	On click, open delete popup: Do you want to delete this payment account type?
16	Enable/Disable-Action Button	On click, change status enable to disable or reverse.
17	Text Values	Display all the entered values else no values then display dash (-).
18	Label	"List of Payment Account Type" values appear on the page on the right hand side.
19	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.4.5 Requirements: “Payment Account Type Right Side” Page

6.9.4.5.1 Display “Payment Account Type Right Side” Page

On clicking Update, the system shall display the following.

“Update Expense Category” Wire Frame

6.9.4.5.2 “Update Payment Account Type” Page Data Field

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting: Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account Type: Tab Button	On Click, Display expense category page

Note number	Name	Note
8	Profile: Tab Button	On Click, Display profile page
9	Security: Tab Button	On Click, Display security page
10	Add-Command Button	On click, open add options below add button.
11	Cancel-Command Button	On click, discard all the entered values and go to expense category page.
12	Update-Command Button	On click, if all validations pass add entered value in expense category list, else display error message "entered value is invalid. Please display valid value".
13	View-Action Button	On click, open view of expense category list below
14	Update- Action button	On click, open update page below
15	Delete-Action Button	On click, open delete popup: Do you want to delete this payment account type?
16	Enable/Disable-Action Button	On click, change status enable to disable or reverse.
17	Name-Text Box	Required field Display entered value. Alpha Numeric and special character (. , - _ ' ; " ") min.char.3 max.char.15
18	Status-Check Box	Display entered value else display enable option. User can uncheck and disable the option.
19	Color-Color Box	Display entered value else display blank value. User choose any color options displayed by browser.
20	Description-Text Box	Display entered value else display blank value. Any character min.char.0 max.char.100
21	Label	"List of Payment Account Type" values appear on the page on the right hand side.
22	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.4.5.3 “Update Payment Account Type” page Validation

On click of ‘Update’ command button, system shall perform following validations.

- a. All required data is entered
- b. All the entered data is valid

6.9.4.5.3.1 “Update Payment Account Type” page data validation=Pass

In the event of passing all the validations, add the payment account value on payment account page.

6.9.4.5.3.2 “Update Payment Account Type” page data validation=Fail

In the event of the failure of one or more validations, display the error message as shown below.

Failed Validation	Error Message
All required data is entered	<Data Field> is a required field. Please enter a valid value for <Data Field>.
All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Field>

6.9.4.6 Requirements: “Delete Payment Account Type” Pop Up

6.9.4.6.1 Display “Delete Payment Account Type Pop Up”

The system shall display the following on click of the “delete action button”.

Manage Setting

HOME

Expense

Payment Account

Setting

General Setting

List of Payment Account Type

✕

Do you want to delete this payment account type?

Security

Yes1

No2

Yes

No

6.9.4.6.2 "Delete Payment Account Type" Page Navigation

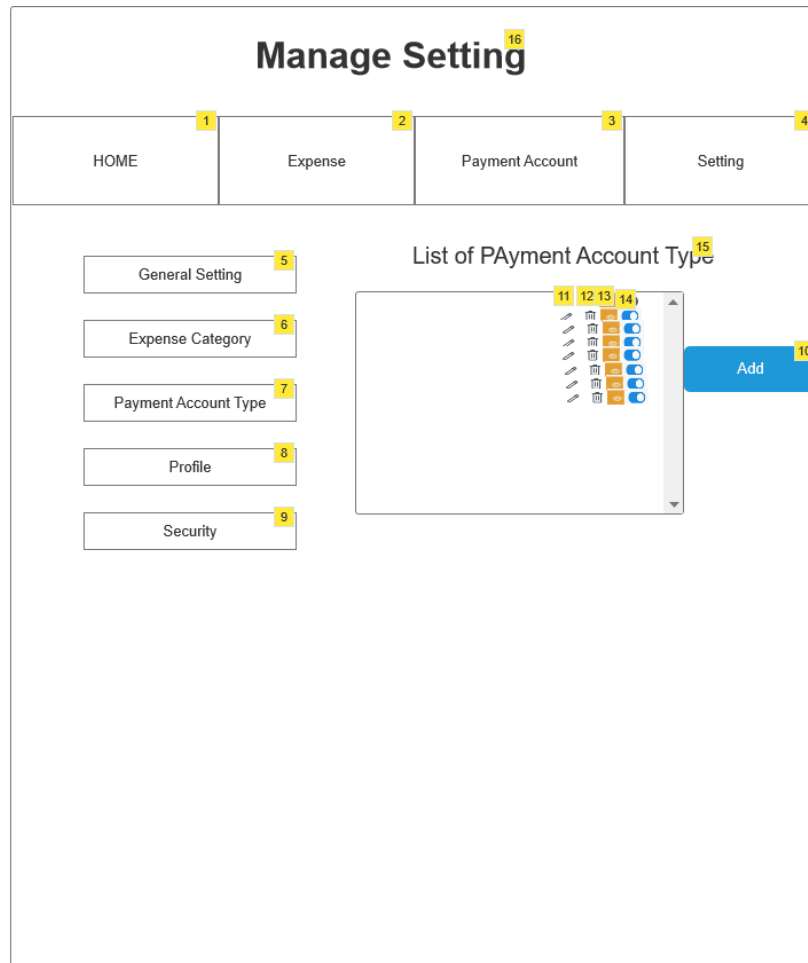
The system shall perform the following.

Note number	Name	Note
1	Yes-Command Button	On click, delete the entered value item in expense category list and go to expense category page.
2	No-Command Button	On click, do not delete expense category item and go to expense category page.

6.9.4.7 “Enable/Disable” Action Button

6.9.4.7.1 Display “Enable /Disable”

The system shall display the following on click of the “Enable/Disable”.



6.9.4.7.2 “Enable/Disable” Page Navigation

The system shall perform the following.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting: Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account Type: Tab Button	On Click, Display expense category page
8	Profile: Tab Button	On Click, Display profile page

Note number	Name	Note
9	Security: Tab Button	On Click, Display security page
10	Add-Command Button	On click, open add expense category below.
11	Update- Action button	On click, open update page below
12	Delete-Action Button	On click, open delete popup: Do you want to delete this payment account type?
13	View-Action Button	On click, open view of expense category list below
14	Enable/Disable-Action Button	On click, change status enable to disable or reverse.
15	Label	"List of Payment Account Type" values appear on the page on the right hand side.
16	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.5 Requirements: “Profile” Page

6.9.5.1 Display “Profile” Page

The system shall display the following at the click of the “Profile”.

The screenshot displays the 'Manage Setting' page. At the top, there is a navigation bar with four tabs: 'HOME' (labeled 1), 'Expense' (labeled 2), 'Payment Account' (labeled 3), and 'Setting' (labeled 4). The 'Setting' tab is currently selected. Below the navigation bar, the page is divided into two main sections. On the left, there is a sidebar with four menu items: 'General Setting' (labeled 5), 'Expense Category' (labeled 6), 'Payment Account Type' (labeled 7), and 'Profile' (labeled 8). The 'Profile' menu item is highlighted. Below these are two more items: 'Security' (labeled 9) and 'Change Name' (labeled 10). On the right, the 'Personal Details' section (labeled 13) contains input fields for 'First Name' (labeled 11) and 'Last Name' (labeled 12), both with placeholder text '<First Name>' and '<Last Name>'. Below these fields are three lines of text: 'Currency Pro' (labeled 14), 'Country: United Sta' (labeled 15), and 'Currency: \$ Dc' (labeled 16).

6.9.5.2 “Profile” Page Navigation

The system shall perform the following.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting-Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account Type: Tab Button	On Click, Display expense category page
8	Profile: Tab Button	On Click, Display profile page

Note number	Name	Note
9	Security: Tab Button	On Click, Display security page
10	Change Name-Command Button	On click, Enable the text box for user to write and open change name on the same page.
11	First Name-Disabled Text Box	Disabled text box. User can see the previously entered values but cannot change.
12	Last Name-Disabled Text Box	Disabled text box. User can see the previously entered values but cannot change.
13	Personal Details-Label	"Personal Details" values appear on the page on the right hand side.
14	Currency Profile-Label	"Currency Profile" values appear on the page on the right hand side.
15	Country: United States-Label	"Country: United States" values appear on the page on the right hand side.
16	Currency: \$ Dollar	"Currency: \$ Dollar" values appear on the page on the right hand side.
17	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.5.3 Requirements: Change Name Page

6.9.5.3.1 Display "Change Name" Page

The system shall display the following when clicking change name.

6.9.5.3.2 "Change Name" Data Field

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting-Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account Type: Tab Button	On Click, Display expense category page

Note number	Name	Note
8	Profile: Tab Button	On Click, Display profile page
9	Security: Tab Button	On Click, Display security page
10	Update-Command Button	On click, if all validations pass, display the values on the profile page, else show error message: "entered value is invalid. Please enter valid value".
11	Cancel-Command Button	On click, discard all the entered value and go profile page.
12	First Name-Text Box	Required field min.char.1 max.char.25 Alpha Numeric Special character
13	Last Name-Text Box	Required field min.char.1 max.char.25 Alpha Numeric Special character
14	Personal Details-Label	"Personal Details" values appear on the page on the right hand side.
15	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.5.3.3 "Change Name" page Validation

In the event of the user clicking the 'Continue' command button, the system shall validate the entered First Name and Last Name.

6.9.5.3.3.1 "Change Name" page data validation=Pass

In the event of passing all the validations, change the value.

6.9.5.3.3.2 "Change Name" page data validation=Fail

In the event of the failure of one or more validations, display the error message as shown below.

Failed Validation	Error Message
All required data is entered	<Data Field> is a required field. Please enter a valid value for <Data Field>.
All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Field>

6.9.6 Requirements: “Security” Page

6.9.6.1 Display “Security” Page

The system shall display the following on click of the “Security”.

The screenshot displays the 'Manage Setting' page. At the top, there is a title 'Manage Setting' with a yellow callout '13'. Below the title is a horizontal navigation bar with four tabs: 'HOME' (callout '1'), 'Expense' (callout '2'), 'Payment Account' (callout '3'), and 'Setting' (callout '4'). The 'Setting' tab is currently selected. Below the navigation bar, on the left side, there is a vertical list of settings: 'General Setting' (callout '5'), 'Expense Category' (callout '6'), 'Payment Account Type' (callout '7'), 'Profile' (callout '8'), and 'Security' (callout '9'). The 'Security' setting is highlighted. On the right side, under the heading 'Security Settings' (callout '12'), there is a text field 'Account Email ID: <Account Email' (callout '11') and a blue button labeled 'Change Password' (callout '10').

6.9.6.2 “Security” Page Navigation

The system shall perform the following.

Note number	Name	Note
1	Home:Navigation Button	On click, go to home button
2	Expense-Navigation Button	On click, Go to expense page
3	Payment Account-Navigation Button	On click, go to payment account
4	Setting-Navigation Button	On click, go to setting button.
5	General Setting-Tab Button	On Click, Display setting page
6	Expense Category: Tab Button	On Click, Display expense category page
7	Payment Account Type: Tab Button	On Click, Display expense category page
8	Profile: Tab Button	On Click, Display profile page
9	Security: Tab Button	On Click, Display security page

Note number	Name	Note
10	Change Password-Command Button	On click, display change password option on the same page.
11	Account Email ID-Label	Account Email ID: <Account Email ID>
12	Security Settings-Label	"Security Settings" values appear on the page on the right hand side.
13	Manage Setting-Label	"Manage Setting" Label will display above Navigation Bar in Center.

6.9.6.3 Requirements: Change Password

6.9.6.3.1 Display “Change Password” Page

The system shall display the following when clicking change name.

6.7

6.9.6.3.2 “Change Password” Data Field

Note number	Name	Interactions	Note
1	Home:Navigation Button		On click, go to home button
2	Expense-Navigation Button		On click, Go to expense page
3	Payment Account-Navigation Button		On click, go to payment account
4	Setting-Navigation Button		On click, go to setting button.
5	General Setting-Tab Button		On Click, Display setting page
6	Expense Category: Tab Button		On Click, Display expense category page
7	Payment Account Type: Tab Button		On Click, Display expense category page
8	Profile: Tab Button		On Click, Display profile page
9	Security: Tab Button		On Click, Display security page

Note number	Name	Interactions	Note
10	Current Password-Text Box		Required Field Alpha Numeric, Special Character min.char.8 max.char.25 Entered date is masked
11	New Password-Text Box		Required Field Alpha Numeric, Special Character min.char.8 max.char.25 Entered date is masked Current password should not match with the old password.
12	Cancel-Command Button		On click, discard all the values and go to security page.
13	Save-Command Button		On click, if all validations pass, change the password and go to security page.
14	Security Settings-Label		"Security Settings" values appear on the page on the right hand side.
15	Manage Setting-Label		"Manage Setting" Label will display above Navigation Bar in Center.

6.9.6.3.3 "Change Password" page Validation

In the event of the user clicking the 'Continue' command button, the system shall validate the entered First Name and Last Name.

6.9.6.3.3.1 "Change Password" page data validation=Pass

In the event of passing all the validations, change the value.

6.10.6.3.3.2 "Change Password" page data validation=Fail

In the event of the failure of one or more validations, display the error message as shown below.

Failed Validation	Error Message
All required data is entered	<Data Field> is a required field. Please enter a valid value for <Data Field>.
All the entered data is valid	Value for <Data Field> is invalid. Please enter a valid value for <Data Field>
Current Password Should match with the current value	Incorrect current password. Please enter the current password
The new password cannot be same as old password	New password cannot be same as old password. Please enter different new password.