**FUNCTION TEST SUITE**

**File history**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Changes** | **Creator/Modifier** | **Overview by** |
| 10/11/2013 | Create | Tin Nguyen |  |
| 10/24/2013 | Testing process,  Test Cases update | Tin Nguyen |  |
| 11/5/2013 10:55 AM | Test cases update | Tin Nguyen | Phuong Pham |
|  |  |  |  |

**About this Test Suite**

**Testing Methods used in this test:**

Integration testing: Test just the functions of the website by User Roles

(Unit testing has been tested by each developer on each module/function, reviewed by Project Leader)

Function testing: (based on System Design Specification version 0.1.3)

**Testing process (on Pivotal Tracker)**

*(Tester uses this document for reference of each test case)*

Create test story> Planning > Use this Test Suite > Execute Test> Report > Fix bugs > Retest > Close

**Resource Requirements**

To perform the test, please see CMS page:

+ Located at (<http://97.74.205.162:8090/dev/cms> - login with: admin/admin)

+ For a register code to perform registration process

+ You can find existent users on this CMS page

**Reference**

+ System Design Specification - ver 0.1.3

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1. UNREGISTERED USER
   1. Homepage
      1. Link and its functions in Homepage

Test Objective:

check elements in page

Expected Outcome:

**+**  there are links for: Registration, Sign In, Forgot account, Forgot password, FAQs, Term and Conditions.

+ each link works

Registration> open Registration page

Sign in> Login service

Forgot account > Forgot username page

Forgot password> forgot password page

Faqs> open FAQs page

Term and Condition> open Term and Conditioin page

+ Navigation:

Mint logo picture> click, go to Homepage

* 1. Login service
     1. Login success

Test Objective:

check actions when login successfully

Test procedure:

Open HomeCare website

In Login section, type in a correct username/password

Click Log in button or hit Enter

Expected Outcome:

There’s a welcome message

There’s a first use guide popup

There’s an alarm notification popup

It leads to user homepage

* + 1. Login Fail: Wrong username/password

Test Objective:

Check actions when login fail with wrong username/password

Test procedure:

Open HomeCare website

In Login section, type in a wrong username/password

Click Sign in button or hit Enter

Expected Outcome:

A notification shows (“**The User ID and/or Password you entered is invalid or you are not registered**”)

* + 1. Login Fail: Lack of username/password

Test Objective:

Check actions when login without a username or password

Test procedure:

Open HomeCare website

In Login section, not input username/password

Click Sign in button or hit Enter

Expected Outcome:

There’s a notification (“**Please enter a username.**”)

There’s a notification (“**Please enter a password.**”)

* + 1. Login Fail: Max try exceed

Test objective:

Check actions when enter wrong username/password many times

Expected Outcome:

A notification show **“Maximum try exceeded. Your account has been locked for 1 hour. Please try again later.”**

* 1. Forgot username page
     1. Elements in Forgot username page

Test Objective:

Check elements in forgot username page

Expected Outcome:

There’s a guide tell user how to get the username

There are 4 input fields: First name/Last name/Date of birth/ Zipcode

There’s a submit button

* + 1. Submit Forgot Username Form with correct data

Test Objective:

To check Submit actions when correct data input (correct data input in 4 fields)

Test procedure:

Open Forgot username page

Input a correct data into: First name/ Last name/Date of birth/ Zip code

Click Submit button

Expected Outcome:

There’s a success notification, redirect to Homepage (log-in page) (in [5] seconds for example)

There’s a Forgot Username Email sent to user email

There’s a username in the email

There’s a guide tell user what to do next in the email

* + 1. Submit Forgot Username Form with wrong data

Test Objective:

Check Submit actions when wrong data input (in 1 of 4 fields)

Test procedure:

Open Forgot username page

Input a wrong data into: First name/ Last name/Date of birth/ Zip code

Click Submit button

Expected outcome:

There’s wrong input notification (“**Invalid date of birth.**”)

There’s wrong input notification (“**Invalid zip code.**””)

There’s wrong input notification (“**Record not on file.**””)

* + 1. Submit Forgot Username Form without input data

Test Objective:

Check Submit actions without data input (in 1 of 4 fields)

Test procedure:

Open Forgot username page

Not Input one of: First name/Last name/Date of birth

Click Submit button

Expected outcome:

There’s input notification (“**Please enter your first name.”**”)

There’s input notification (“**Please enter your last name.”**)

There’s input notification (“**Please enter your date of birth.”)**

* 1. Forgot password page
     1. Elements in Forgot password page

Test Objective:

Check elements in page

Expected Outcome:

There’s a guide tell user how to get the password

There are input fields: User name/Date of birth

There’s a Submit button

* + 1. Submit Forgot password form with correct data

Test Objective:

Check Submit actions when correct data input (correct data in all fields)

Test procedure:

Open Forgot password page

Input a correct data into: User name/Date of birth

Click Submit button

Expected Outcome:

There’s a success notification

There’s a Forgot Password Email sent to user email

There’s password hint in the email

There’s a guide tell user what to do next

* + 1. Submit Forgot password form with wrong data

Test Objective:

Check actions when wrong data input

Test procedure:

Open Forgot password page

Input a wrong data into: User name/Date of birth

Click Submit button

Expected Outcome:

There’s wrong input notification. (“**Invalid date of birth.**”)

There’s wrong input notification. (“**Record not on file.**”)

* + 1. Submit Forgot password form without data: User name/Date of birth

Test Objective:

Check actions when wrong data input

Test procedure:

Open Forgot password page

Not Input data in one of: User name/Date of birth

Click Submit button

Expected Outcome:

There’s input notification. (“**Please enter your username.”**”)

There’s input notification. (“**Please enter your date of birth.**”)

* 1. Registration
     1. Elements in Registration page

Test Objective:

Check elements in registration page

Expected Outcome:

All fields can input data

Require fields noted

Buttons: Add more/Register

* + 1. Validation of Input Data in Registration Fields

Test Objective:

Check inputting data if it meets requirements

Expected Outcome:

List of Fields in page:

|  |  |
| --- | --- |
| **Field Name** | **Expected** |
| Create HomeCare username | + Is a Required field  + Live availability-check (check the availability of a username on the system when user inputing data)  + there’s a notification (existed/available)  **Username requirements:**  +content: (for example: just letter and number)  +length: for example: 6 to 50 characters  > there’s notification (meet/not meet requirement) |
| Create HomeCare password | + is a required field  Password quality  ( it meet password requirement  > there’s notification (meet/not meet requirement)  Confirm password check  ( it the same 1st entered,  **Password requirement:**  +content: all keyboard charater  +not content: username/firstname/lastname/DOB  +length: 4 to 14 characters |
| Confirm password | + is a required field  + Live check (check if it is the same as password entered above)  + there’s notification (the same/not the same 1st entered) |
| Password hint | > there’s notification if password hint content username or password |
| Date of birth | + is a required field  Date format  ( it’s US format,  there’s notification)  Valid  ( it’s a correct day, eg. 30/2/2013 is not a valid date,  there’s notification)  Date requirement  ( it meet date requirement, e.g.user of this system must be 15-60 years old,  there’s notification) |
| Email address | input data is a valid email address format. 3 parts of an email address: [name]@[domain name]  Eg. abc@mint-corp.com |
| Confirm email address | the same 1st entered  >notification (the same/not the same 1st entered email) |
| Registration code | + is required field  + is a Combination of member type and random number  + 3 types: PRIMARY (PRI)  MONITOR (MON)  PARTIAL (PAR) |
| Address | Country  ( all require countries name are listed)  County (Check  all county listed in selected country)  Home phone  ( the correct format for selected country/county, there’s notification)  Mobile phone  ( the correct format for selected country/county, there’s notification |
| **Emergency Contact** | there are 4 input fields: Name/Email/Phone/Address  all field can input data |
| Add more button | another contact section appear  new appear section have header with number increasing. E.g. Emergency contact 2  new section has 4 input field and all field can input data  Max emergency contact  ( max set is 3,  >there’s notification) |
| Captcha | Picture contents common characters that can input in below textbox  refresh button reloads a new picture |

* + 1. Submit Registration form with correct data

Test Objective:

Check actions when correct data input in all fields

Test procedure:

Open Register page

Input all fields with correct data

Click Register

Expected Outcome:

A new username was created on the system

All Info was save to that username

There’s Successful notification

There’s a guide tell user what to do next

There’s a confirmation Email sent to user mailbox

* + 1. Submit Registration form with wrong data

Test Objective:

check actions when wrong data input (in require fields)

Test procedure:

Open Register page

Input fields with wrong data

Click Register

Expected Outcome:

There’s a Fail notification

There’s notification explain Reasons why fail

There’s guide tell user what to do

There’s red-color notification below each requirement field which is wrong data input

* 1. Registration/Confirmation Email
     1. Registration Confirmation Email content

Test Objective:

Check Confirmation Email content

Expected Outcome:

Email format

There’s an Sender info: […..]

There’s an subject info: [Confirmation]

There’s an Mint signature info: […]

Confirmation link

There’s a confirmation link in the received email

It goes to the notification page when clicked

* + 1. Activate Confirmation link success

Test Objective:

Check actions when activate successful

Test procedure:

Open email

click the confirmation link to activate account

Expect Outcome:

There’s a success notification page appear

There’s a guide tell user what to do next

* + 1. Activate Confirmation link fail

Test Objective:

Check actions when activate fail

Expect Outcome:

There’s fail notification page

Fail notification explain Reasons why fail

+ failed because link used more than once

+ failed because link expired (e.g. link expire 24h)

There’s a guide tell user what to do next

1. REGISTERED USER
   1. User home page
      1. Elements in User Home page

Test Objective:

Test elements in User home page

Expected Outcome:

Mint Logo picture: click to go to user homepage

|  |  |
| --- | --- |
| **Homepage notification** | **Requirements** |
| new alarm notification | + show number of alarm  + red color if there is unread alarm messages  + picture link to Alarm page |
| new message notification | + show number of new message  + red color if there is unread messages  + picture link to Message inbox |

Left navigation works

|  |  |
| --- | --- |
| **Left Navigation** | **Actions** |
| Home | Go to User Home page |
| My profile |  |
| > user information | Go to user information page |
| > Change password> | Go to change password page |
| >Authorized users> | Go to Authorized users management page |
| Reports> Track my health> | Go to Features page |
| > Track others> | Go to Track Others Homepage |
| Message center |  |
| >Compose> | Open Compose Message Editor |
| >Inbox> | Go to Inbox page |
| >Sent Messages > Sent message page | Go to Sent messages page |
| >Alarm Messages > Alarm message page | Go to Alarm messages page |
| Trash > Trash page | Go to Trash page |
| My account |  |
| >Billing Account Summary | Go to User Billing Account Summary page |
| >Coverage Details |  |

User Home Footer

|  |  |
| --- | --- |
| Home link | Go to User Home page |
| Site map link | Go to site map of the website |
| Term and Conditions link | Show Term and Conditions page |
| Log out link | Show the confirmation “ Do you want to logout the system?”  A check box: “Don’t ask me next time”  Confirmation action:  Click YES> log out current user  Click NO>stay on the current page  Check box actions:  Click Check box, system will remember logout setting of current user. |

* 1. User Profile/User Information page
     1. Elements in User Information page

Test Objective:

check the elements in User information page

Expected Outcome:

All fields are shown with information

There are requirements for specic fields as table below:

|  |  |
| --- | --- |
| **Fields with requirements** | **Requirements** |
| First name | grey and unable to edit |
| Last name | grey and unable to edit |
| Date of Birth | grey and unable to edit |
| Gender | grey and unable to edit |
| User type | grey and unable to edit |

There are buttons: Edit/Cancel

The buttons do these actions:

|  |  |
| --- | --- |
| **Buttons** | **Actions** |
| Edit | Go to Editing User information page |
| Cancel | Go back to Home page |

* + 1. Editing User information page

Test Objective:

Test editing each piece of User information

Test Procedure:

From User information page, click Edit button

Expected Outcome:

These fields can be edited.

|  |  |
| --- | --- |
| **Fields** | **Requirements** |
| Email | Check input data is a valid email address format. Eg. [abc@efg.com](mailto:abc@efg.com) when user input data |
| Address |  |
| City |  |
| Country | dropbox show all required countries |
| State | dropbox show all states of selected country |
| Zip code |  |
| County |  |
| Home phone | the correct format for selected country/county |
| Mobile phone | the correct format for selected country/county |

* + 1. Saving Edited User information

Test Objective:

Test Save button in Editing User information

Test Procedure:

From Editing User information page

Edit information

Click Save button

Expected Outcome:

All edited information are saved to database

Go back to User Information page

* 1. User profile/Change Password
     1. Elements in Change Password page

Test Objective:

Test elements in Change password page

Expected Outcome:

There are Fields and requirements as table below:

|  |  |
| --- | --- |
| **Fields** | **Requirements** |
| Current password |  |
| New password | + Password quality: must meet password requirement  + if not meet, there’s notification |
| Confirm new password | + the same 1st entered,  + if it is not the same, there’s notification |
| Password hint | +not content name/username/pass info  + If content name/username/pass info, there’s notification |

* + 1. Saving new password/password hint success

Test Objective:

Test Save button with correct input data

Expected Outcome:

New password saved

There’s a notification tell user new password is saved successful

Stay on change password page

* + 1. Saving new password/password hint fail

Test Objective:

Test Save button when with wrong input data

Expected Outcome:

A notification explains why fail

A guide tells user what to do next

* 1. User Profile/ Authorized Users page
     1. Sections in authorized users page

Test Objective:

Check elements in Authorized users page

Expected Outcome:

There are 3 sections:

Section 1: A List of current authorized users

Delete user button

Section 2: Authorize a user

Add user button

Section 3: Invite a member

Invite user button

* + 1. Delete an authorized user

Test objective:

Test Delete function

Test procedure:

Select an authorized user in the list, click Delete button

Expected Outcome:

That deleted user removed from the list

That deleted user can NOT see and track current user health

* + 1. Authorize a user

Test objective:

Test Authorize function

Test procedure:

Enter a username in the text box, click Add button

Expected Outcome:

In Text box when input data: a Notification shows input data is an available username or an invalid username

Authorized user appear in the current authorized user list

That authorized user can see and track current user.

There’s success notification when Add successful

There’s fail notification when Adding fail

Explain why fail (user already in the list/ user not exist/ user not activate/user being deactivated)

* + 1. Invite new member

Test objective:

Test Invite new member function

Test procedure:

Enter an email address in text box

Click drop box to choose a member type

Click Invite button

Expected Outcome:

If an invalid email is entered, show a notification **“The email is invalid”**

If input email was registered with Homecare System, show a notification **“This email address has already registered with HomeCare System”**

Drop box show 3 member type

There’s an email sent to invited member

* 1. Member Invitation Email
     1. Invitation Email

Test objective:

Test Member Invitation email content

Expected outcome:

Email format

There’s a Sender info

There’s a subject info

There’s a Mint signature info

There’s an Invitation link

* + 1. Member Invitation Link

Test objective:

Test actions of link in the member invitation email

Test procedure:

Open invitation email, click on the link

Expected outcome:

Click link go to Registration page

A registration code automatically filled in the Register Code field

The registration progress occurs normally

* 1. Track my health page
     1. Elements in Track my health page

Test Objective:

Check the Elements in Track my health page

Expected Outcome:

Page shows 9 thumbnail pictures descript 9 features

There are Titles Below each thumbnail

Click each thumbnail go to each feature page

There are 2 buttons: Global Settings/Back to Home

Each button work

Global> go to Global Setting page

Back to Home > go to Home page

* 1. Track my health/Global Settings page
     1. Elements and functions in Global Settings page

Test objective:

Test User Global Settings page

Expected Outcome:

There’s 1 setting category for: Measurement system

There are 2 radio buttons for Measurement system setting: Metric/Us

There are 2 Buttons: Save/Cancel

Radio button work

Each button work with actions:

Click Save > Save checked value, stay on page

Click Cancel> go to Track My Health page

* 1. Track my health/Feature/Temperature page
     1. Elements in page

Test Objective:

Test element in Temperature page

Expected Outcome:

There are 2 tabs for 2 kinds of report: Graph and Table

Tab actions:

Click Graph> show graph report

Click Table> show table report

* + 1. Temperature Feature/Graph Report

Test Objective:

Test Graph report

Expected Outcome:

Graph shows:

|  |  |
| --- | --- |
| Data | + the correct data of current user  + skin temperature, ambient temperature, low, high, and very high thresholds corresponding current measurement system (US/Metric)  + Show notification if there’s no data to display |
| x-axis | Show “Time” in 24 hours format |
| y-axis | + Temperature (oF) or Temperature (oC) based on the current measurement system (US/Metric),  + y-axis should scale base on the maximum and minimum values of data |
| Legend | Shows the correct legend for y-axis data |
| There’s a Date/Time filter: From Date/To Date | ++Click From Date> a pop up calendar showed to select a start date  ++Click To Date> a pop up calendar showed to select an end date |

Diagnosis and Recommendation section work: Info changes according to the data

Buttons actions:

Settings> go to Settings page

Back to Track My Health > go to Track My Health page

* + 1. Temperature Feature/Table Report

Test objective:

Test table report of Temperature Feature

Expected outcome:

There’s a list to select # of records to display on 1 page: 10/25/50/100/250/500/All

Table show the correct data of current user

|  |  |
| --- | --- |
| Column name | Requirements |
| Received | Timestamp should be 24 hour format and up to second |
| Skin Temperature | + Unit of skin temperature and Ambient temperature based on the current measurement system (US/Metric): Skin temperature (oC/oF) Ambient Temperature (oC/oF)  + Use full title instead of abbreviation title if there is enough space. |
| Ambient Temperature |  |
| Diagnosis |  |

Diagnosis and Recommendation section work: Info changes according to the data

Buttons actions:

Click Settings> go to Settings page

Click Back to Track My Health > go to Track My Health page

* + 1. Temperature Settings page

Test objective:

test elements and setting functions in Temperature Settings page

Expected outcome:

Pages Contents fields: sample rate/ low threshold/ high threshold/ very high threshold

There are buttons: Edit/ Back

Button actions:

Click Edit> Edit settings page

Click Back> go back to Temperature page

* + 1. Editing Temperature Settings

Test objective:

test Editing function in Temperature Settings page

Expected outcome:

Fields validations

|  |  |
| --- | --- |
| **Fields** | **Requirements** |
| Sample rate | 2 fields (1 text box to enter value and one dropdown to select unit) |
| Low threshold | Unit of thresholds should corresponding to current measurement system (US/Metric) |
| High threshold | Unit of thresholds should corresponding to current measurement system (US/Metric) |
| Very high threshold | Unit of thresholds should corresponding to current measurement system (US/Metric) |

Button actions:

Click Save> save data, go to Temperature Settings page

Click Cancel> go to Temperature Setting page

* 1. Track Others
     1. Elements in Track Others page

Test objective:

test elements in Track Other page

Expected outcome:

A list of users that authorized current user.

If no user, a notification shows: There’s no user

There are buttons: Select/Back to Home

Button actions:

Click Back to home> go to User Home page

* + 1. Select user to track health

Test objective:

Test process of Selecting a user to track

Test procedure:

Click Track other to open Track others page

Click a user (First name/Last name) on the list,

Click Select to go to That user Features page.

Or

Double click a user (First name/Last name) on the list to go to that user Features page

Expected outcome:

Features page of selected user shows.

Click Select button without choosing a user, a notification show **“Please select a user you want to monitor!”**

* 1. Message Center
     1. Composing and sending process

Test objective:

Test message compose and sending process

Test procedure:

Click left navigation **Message Center > Compose** to open Editor.

Input: username (the user want to send message to)

Input: subject

Input: Content of the message

Click Send to send the message

Expected Outcome:

Input data validation

|  |  |
| --- | --- |
| **Fields** | **Requirements** |
| To | An existed username in HomeCare System |
| Subject |  |

Send Button actions:

Show fail notification if the username is not exist on the system

Show success notification if message sent successfully

Message sent to the correct receiver

All content is sent to the receiver

* + 1. Elements in Inbox/Alarm/Sent/Trash page

Test objective:

Test elements in Inbox page

Expected outcome:

Fields in Inbox message list:

Subject/From/Received

Fields in Alarm message:

Subject/Received

Fields in Sent message list:

Subject/To/Sent

Fields in Trash message list:

Subject/Create date/Deleted date

|  |  |
| --- | --- |
| **Fields** | **Explanation** |
| Check box | A checkbox in front of each record and a checkbox to check all messages in list |
| Subjects | Show the subject of the message |
| From | Show the First name and Last name of the sender |
| To | Show the First name and Last name of the receiver |
| Received on | Show the Date and Time the message was received/sent |
| Create date | Show the Date and Time the message was created |
| Delete date | Show the Date and Time the message was deleted |

A notification shows “no message” if there’s no message in inbox/sent/trash

A title shows ordinal number of the messages in that page. Eg. Message 1-25. Message 26-47

Buttons in page: Previous/Next/Delete

* + 1. Move between message lists in Inbox/Alarm/Sent/Trash

Test objective:

Test navigate between message lists (if there are a lot of message inbox)

Expected outcome:

Click Next to go to older messages inbox.

If it goes to the first page, a notification tell it’s the first page

Click Previous to go to newer message inbox

If it goes to the last page, a notification tell it’s the last page

* + 1. Read a message

Test objective: test process to read a received message (in Inbox/Alarm/Sent/Trash)

Test procedure:

Navigate to Message Center> Inbox/Alarm/Sent/Trash

Click on the Subject of a message to read the content of the message

Click OK

Expected outcome:

A popup shows: From/To/Subject (except Alarm) and Content of the message

Click OK> go back to message list

* + 1. Delete messages in Inbox/Sent

Test objective:

Test delete messages function in Inbox/Sent/Alarm

Test procedure:

In message list, Click checkbox on messages that you want to delete

Click check box on the Header of message list to select all message

Click Delete, Click Yes

Expected outcome:

Messages selected

All messages selected if check on the header checkbox

A delete confirm notification.

Selected messages were deleted from Inbox/Sent

Deleted were move to Trash

There are deleted messages in Trash

Stay on inbox/Sent

* + 1. Delete messages in Trash

Test objective:

Test delete message in trash

Test empty trash function

Test procedure:

Delete messages:

In Trash messages list,

Click checkbox on messages that you want to delete

Or

Click check box on the Header of message list to select all message

Click Delete,

Click Yes

Empty trash:

In Trash message list, click Empty button

Click OK

Expected outcome:

Delete messages:

Selected/All messages in Trash were selected

Selected/All messages in Trash were deleted.

Notification message: “**Please select a message(s) to delete.**”

Confirmation message: “**Do you want to permanently delete this (these) message(s)?**”

Confirmation message: “**Do you want to empty the Trash folder?**”

* 1. Billing Account
     1. Elements in Billing Account Summary page

Test objective:

Test elements in Billing Account page

Expected outcome:

A table with field as below:

|  |  |
| --- | --- |
| Fields | Requirements |
| Account | The billing account of current user, system will create this number when user successfully registered.  A User may have only ONE billing account number |
| Account Type | There are 3 account type: Monthly/6 Months/Yearly |
| Last Payment | The last Date/Time user pay fee |
| Outstanding balance | The amount of money remain in Billing Account of current user.  It can be positive (+) or negative (-). (USD) |

Buttons in page: Account Details/Payments/Pay Bill

Buttons actions:

Account Details> go to Account Details page

See Payments> go to See Payments page

Pay Bill> Start Pay Bill process

* + 1. Elements in Billing Account Details

Test objective:

Test elements in Billing Account page

Expected outcome:

This page show details each time there’s a change in User Billing Account

A table with fields as below:

|  |  |
| --- | --- |
| **Fields** | **Requirements** |
| Date | The date an event occurs in User billing account |
| Description | The description of that event, including:  By customer/ By system |
| Charge | An amount of money system withdraw from user billing account |
| Pay | An amount of money user put into the billing account |
| Balance | The amount of money remain in billing account  This could be positive (+) or negative (-) |
| The Amount Due (below the table) | The amount of money customer still owe (be in debt to) HomeCare system. |

Buttons in page: See payments/Pay bill

Buttons actions:

See payments> got See Payments page

Pay bill> Start Pay Bill process

* + 1. Elements in See Payments

Test objective:

Test See payments

Expected outcome:

This page contents Payments that use paid for bills.

A table with fields as belows:

|  |  |
| --- | --- |
| **Fields** | **Requirements** |
| Date | The date user make a transaction |
| Description | A description of a transaction |
| Payment ID | The number of a transaction  It’s link. Click to open a Receipt information |
| Amount | The amount of money user has paid in a transaction |
| Total: | The total amount of money of all transactions |

Buttons in page: Back to Billing Account Summary

Buttons actions: click button, go to Billing Account Summary

Links in page: Payment ID

Links actions: click link, go to Receipt information of that payment

* 1. Pay Bill
     1. Pay Bill Process

Test objective:

Test pay bill process

Test procedure:

Click Pay Bill button in Billing Account Summary page/Account Details to open Pay Bill page

Input all data in Pay Bill page

Click Continue button to open Payment review page

Click Submit button

Expect outcome:

Buttons actions:

Continue>

Check input data if it meets requirement (see [Elements in Pay Bill form](#paybillform))

Temporally Save data to the browser

Open Payment review page

Submit button on Payment review page>

Save all input data to server

Charge money from input Credit Card

Open Receipt page

* + 1. Elements in Pay Bill form (pay by Credit Card)

Test objective:

Test elements in Pay Bill form

Expected outcome:

The page shows 2 sections:

Section 1: Billing Account information of current user with due amount; and pay amount that user wants to pay

Section 2: Receipt information and the information of the Credit Card that be charged

Data Input requirements are as below:

|  |  |
| --- | --- |
| **Fields** | **Requirements** |
| Amount to pay | input the amount to pay for this transaction (USD)  positive number (+) |
| Name on card | + is a required field  The name appear in Credit card used in this transaction |
| Address | + is a required field  The address will appear on the receipt |
| Address line 2 | The address 2 will appear on the receipt |
| City | + is a required field  The city will appear on the receipt |
| Country | + is a required field  The country will appear on the receipt |
| State | + is a required field  The state will appear on the receipt |
| Zipcode | + is a required field  The zip code will appear on the receipt |
| Phone | + is a required field  The phone will appear on the receipt |
| Email address | The email will appear on the receipt |
| Card type | + is a required field  The type of card used in this transaction |
| Card number | + is a required field  The number on the Credit card |
| Expired date | + is a required field  The expired date of Credit card |
| Security code | + is a required field  The security code of credit card |

Buttons in page: Continue/Cancel

Buttons actions:

Continue> save all information and go to Payment Review page

Cancel> discard all information and go to Billing account summary

* + 1. Elements in Payment review page

Test objective:

Test elements in Payment review page

Expected outcome:

Show these information of input data:

|  |  |
| --- | --- |
| Fields | Requirements |
| Account number | Show billing account of current user |
| Account type | Show the type of these billing account |
| Amount due | The amount of money customer still owe (be in debt to) HomeCare system. |
| Amount to pay | Input amount that user want to pay |
| Name | Input name |
| Address | The address will appear on the receipt |
| Phone | The phone will appear on the receipt |
| Email address | The email will appear on the receipt |
| Pay by Credit Card | The number of the Credit card used in this transaction |

Buttons in page: Submit/Back

Buttons actions:

Submit> Confirm input data and Submit input data. The receipt page appears

Back> go to Pay Bill page

* + 1. Elements in Receipt page

Test objective:

Test receipt page after successfully pay a bill

Expected outcome:

Page show a receipt with these information:

|  |  |
| --- | --- |
| **Fields** | **Information shows** |
| Pay ID: | The ID of the transaction |
| Account number | Show billing account of current user |
| Account type | Show the type of these billing account |
| Amount due | The amount of money customer still owe (be in debt to) at the time of this transaction. |
| Amount to pay | Input amount |
| Name | Input name of this transaction |
| Address | The input address of this transaction |
| Phone | The phone of this transaction |
| Email address | The email of this transaction |
| Pay by Credit Card | The number on the Credit card  Shows 4 ending digits  All remain digits are hidden and shows as \* |

Buttons in page: Back to Billing Account Summary

Buttons actions:

Back to Billing Account Summary> go to Billing Account Summary page

* 1. Print functions on all page

Test objective:

Test print functions in pages

Expected outcome:

Make sure print links work well and do not affect other functions.

1. ADMINISTRATIVE USER
   1. User Management page
      1. Users List

Test objective:

Test viewing the users list

Expected outcome:

A table shows all users of HomeCare System

Information shown as following:

|  |  |
| --- | --- |
| **Column headers** | **Requirements** |
| ID | The unique ID of an account  It is a link. Click to open User Details page |
| Username | Username used to logon to system |
| Email address | The email address of a user |
| Status | Status of an account:  Active: user is in active mode. User can logon to system  Deactive: user in deactive mode, which means: 1.User not done registration confirmation. 2.User is deactivated by an administrative user |
| Note | Some note about this account |
| Member type | Show which group a user belonging to:  ADMIN MINT: an administrative user (manage system)  PRIMARY: an primary user (track oneself’s health)  PARTIAL (or MONITOR): an monitoring user (tracking other’s health) |

Filter functions work correctly.

* + 1. User Details page

Test objective:

Test elements in use details page

From user list. Click an ID to show that User Details page.

Expected outcome:

There are sections: Account overview/ User profile/User Preferences/Group-Permission/Billing management

The ability to edit each section

|  |  |
| --- | --- |
| **Account Overview** |  |
| Registered |  |
| Registered from IP |  |
| Last logon |  |
| Warnings |  |
| Email |  |

|  |  |
| --- | --- |
| **User profile** | **See profile of an user** |
| First name |  |
| Last name |  |
| Date of Birth |  |
| Gender |  |
| Address |  |
| City |  |
| Country |  |
| State |  |
| Zip code |  |
| County |  |
| Home phone |  |
| Mobile phone |  |
| Member type |  |

|  |  |
| --- | --- |
| User preference |  |
| Measurement system |  |

|  |  |
| --- | --- |
| **Group** | Show Group of current user.  If user does not belong to any group, “No Group” is shown |

|  |  |
| --- | --- |
| **Permission** | **Show permission of current user** |
| Granted Users: | Show a list of other users (username)whom current user could track their health |

|  |  |
| --- | --- |
| **Billing management** | **Change the way system will bill for current user** |
| Auto bill | Set auto billing for current user.  + Billing type: drop box show 3 kinds of billing type: Monthly/6 months/Yearly  + Date: Choose start date for each billing type  + Amount: enter the amount for auto billing  + Description: description for this auto billing |
| Manual | Set 1 time billing:  + Date: Choose start date for each billing type  + Amount: enter the amount for this manual billing  + Description: description for this manual billing |

* + 1. Add new user

Test objective:

Check add new user function works correctly

Test procedure:

From User management page, click Add new user button to open Registration page

[(See 5. Registration)](#registration)

* + 1. Activate/Deactivate user

Test objective:

Check activate/Deactivate user function work correctly

Test procedure:

From User management page, click the checkbox of desired user(s)

Click Activate account button to activate selected user(s)

Or

Click Deactivate account button to deactivate selected user(s)

Expected outcome:

The desired user(s) is activate

Activated user(s) could login to the system

Or

The desired user(s) is deactivate

Deactivate user(s) could NOT login to the system

* + 1. Billing management/Auto billing

Test objective:

Test auto billing settings (the way system will bill a user) for a user

Test procedure:

Navigate to user Details page.

Go to Billing Management section.

Check the check box: Auto

Select a billing type: monthly, 6 months, yearly

Select date.

Enter the money amount (USD)

Enter a description

Click Save

Expected outcome:

All settings are saved successfully

System automatically charge current user as the schedule

There’s a record in [Billing Account Detail page](#BillingAccountDetails) of current user on entered date (start date and dates after: monthly, 6 months, yearly)

* + 1. Billing management/Manual billing

Test objective:

Test manual billing settings for a user

Test procedure:

Navigate to user Details page.

Go to Billing Management section.

Adding one time billing by:

Select a date.

Enter the money amount (USD)

Enter a description

Click Add

Adding another one time billing:

Select date.

Enter the money amount (USD)

Enter description

Click Add

Click Save

Expected outcome:

Each adding is saved.

System will charge current user for each adding, on the date of each adding

There’s a record in [Billing Account Detail page](#BillingAccountDetails) of current user on each adding date

Note: **Admin does not need uncheck the auto billing function. Manual billing can work independently.**

* 1. Logs
     1. Webadmin Logs page

Test objective:

Test logs page

Expected outcome:

A list show records of logon information state

A filter to narrow the list: Username/From Date/To Date

Information is as below:

|  |  |
| --- | --- |
| **Fields** | **Information** |
| Login date | The date of an event |
| Username | The username (actor) of an event |
| Note | Note for this log. E.g. log-in failed |

* + 1. Sync Logs page (TBD)
  1. System tools (TBD)
     1. Security Settings (TBD)
     2. Configure (TBD)
  2. Message Center [(Please See User Message Center.)](#messagecenter)
     1. View Messages
     2. Delete Messages
     3. Empty Trash
  3. Administrative User/My account
     1. Administrative User/My account page

Test objective:

Check information in Admin My account page

Check functions of buttons

Expected outcome:

Show information of current administrative user

|  |  |
| --- | --- |
| **Fields** | **Information** |
| Password | Show \*\*\* |
| Real name | Full name (first name and Last name) of current administrative user |
| Email | Email address of current administrative user |
| Language | Language used by current administrative user |
| Privileges | Permission of current administrative user to the system |
| Last login | Last logged-in date/time |

Buttons: Edit

Buttons actions:

|  |  |
| --- | --- |
| Edit | Go to Edit My Account page |

* + 1. Administrative User/Edit My account

Test objective:

Check Edit My account page

Expected outcome:

The information of current administrative shows

The ability to edit the information

|  |  |
| --- | --- |
| **Fields** | **Information** |
| Password | Shows \*\*\* |
| New password | If current user want to change the password  Enter the new password here  If NOT, leave this field blank |
| Confirm new password | If current user want to change the password  Retype the new password here  If NOT, leave this field blank |
| Real name | Full name (first name and Last name) of current administrative user |
| Email | Email address of current administrative user |
| Language | Language used by current administrative user |
| Privileges | Permission of current administrative user to the system |
| Last login | Last logged-in date/time |

Buttons: Save/Cancel

Button actions:

|  |  |
| --- | --- |
| Save | + Click Save to save all edited info  + a notification show “Edited successfully”  + Click OK to go back to My account page |
| Cancel | + Click Cancel to discard edited data  + go back to My account page |

* 1. Print functions on all pages

Test objective:

Test print functions in pages

Expected outcome:

Make sure print links work well and do not affect other functions.