**TEXAS Group**

**EasiLendar**

**Test Design Specification**

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# Test Design Specification Identifier

**Case Study:** Test e-commerce website

**Software:** EasiLendar

# Features to be Tested

**Functions:**

→ Sign up: User can register a new account for using software.

→ Login: User can sign in with their own user name and password.

→ View default calendar: User can see default calendar (editable on setting function) after signing in successfully.

→ View My profile: User can see their own profile page (calendar and personal information).

→ Search for events or friend: User can search for their friend or events by name.

→ Appointment (find meeting): User can find an appointment with their friend and send meeting request to them.

→ Todo (extended function): User can manager their “To do list” with a lot of smart customizations and attractive gadget.

→ Synchonize with Social Networking: User can login to Social Networking by their own account and sync their software calendar with Social Networking in two dimensions.

→ Refresh function: User can refresh to see their new notification or event.

→ Setting: User can custom their software about interface or function.

→ Sign out: User can sign out with current account and go back to sign in page.

→ Exit: User can exit without sign out.

→ View Month calendar: User can see Month calendar.

→ View Week calendar: User can see Week calendar.

→ View calendar by List of events: User can see their event list.

→ Today function: User can back to Today on calendar.

→ View notifications {friend, request, respond}: User can see their notifications.

→ View friend list: User can see their friend list and manage it.

→ View friend ‘s profile: User can see their friend’s profile {calendar and personal information}.

→ Add friend (Send friend request): User can send friend request to another user.

→ Delete friend: User can delete a friend on their friend list.

→ Add new event: User can add an event to their calendar.

→ Delete event: User can delete an event on their calendar.

→ Edit event: User can edit their event.

**Environment:** ionic serve on Chrome (latest version), Firefox (latest version), IE (10, 11), android device, ios device (Iphone or Ipad).

# Approach Refinements

The approach to testing that software correctly is specified in Section 5 Feature Pass/Fail Criteria in this document.

* The approach to testing feature 1 (Sign in): Try to register a new user and test all field and features that all required field, and all task run correctly as the design.
* The approach to testing feature 2 (Register): Try to login in a created account and check that this feature run well.
* The approach to testing feature 3 (View default calendar): Create an account, login in this account. See on home page and do something with defaut calendar view, check that all “next” and “previous” function run perfectly.
* The approach to testing feature 4 (View My profile): Create an account, login in this account. Go to leftside menu panel, press on user ‘s full name (go to my profile page). See on profile page and check that interface and all task run correctly as the design.
* The approach to testing feature 5 (Search): Create an account, login in this account. Go to leftside menu panel, press on “Search” button. Try to enter all required fields search for user and event, test the result of search function.
* The approach to testing feature 6 (Appointment): Create an account, login in this account. Go to leftside menu panel, press on “Appointment” button. Try to test all field (required field) and press “Done” to test for list of result and for sending meeting request to friend.
* The approach to testing feature 7 (Todo): Coming soon…
* The approach to testing feature 8 (Synchonize with Social Networking): Create an account, login in this account. Go to leftside menu panel, press on “Sync” button. Try to test synchonizing with facebook, local calendar and google calendar, test for checking login status (have logged in yet), test for updating events and test for logging out.
* The approach to testing feature 9 (Refresh): Create an account, login in this account. Go to leftside menu panel, press on “Refresh” button, try to test for updating data (notifications and events) of user.
* The approach to testing feature 10 (Setting): Create an account, login in this account. Go to leftside menu panel, press on “Setting” button, try to change some settings and back to Home page and test for result.
* The approach to testing feature 11 (Sign out): Create an account, login in this account. Go to leftside menu panel, press on “Sign out”. Try to test that user will back to Sign in page successfully.
* The approach to testing feature 12 (Exit): Create an account, login in this account. Go to leftside menu panel, press on “Exit” button. Try to test that confirm popup appears to ask user and test for exit software.
* The approach to testing feature 13 (View Month calendar): Create an account, login in this account. Choose “Month” on type calendar list and try to test for two interfaces of month calendar (Time Grid and Event List) and some functions such as “next month”, “previous month”, “next year” or “previous year” .
* The approach to testing feature 14 (View Week calendar): Create an account, login in this account. Choose “Week” on type calendar list and try to test for interface of calendar and some functions such as “next week” or “previous week”.
* The approach to testing feature 15 (View Day calendar): Create an account, login in this account. Choose “Day” on type calendar list and try to test for two interfaces of day calendar (Time Grid and Event List) and some functions such as “next day” or “previous day”.
* The approach to testing feature 16 (View calendar by List of events): Create an account, login in this account. Choose “List” on type calendar list and try to test for interface of list calendar and scroll down to test for “more events” function.
* The approach to testing feature 17 (Today): Create an account, login in this account. Choose one type of calendar view, then try to test Today function by pressing on “Today”button and see whether current calendar goes back to today.
* The approach to testing feature 18 (View notifications): Create an account, login in this account. Press on “Notification” button and try to test for each type of noti {friend, request, respond}.
* The approach to testing feature 19 (View friend list): Create an account, login in this account. Press on “Friend” button to open friend list and try to test all function with friend list such as search friend, sort friend list and pressing on name of friend to see three functions which to do with this friend {date, view, delete}.
* The approach to testing feature 20 (Add friend): Create an account, login in this account. Try to search for a friend by search function and press on “add friend” button. Then test for sending friend request to user and respond notification.
* The approach to testing feature 21 (Delete friend): Create an account, login in this account. Press on “Friend” button to open friend list, choose name of a friend and press on “Delete” button. Try to test for an emergence of confirm popup which to ask user, and after pressing “OK”, try to test for friend list again.
* The approach to testing feature 22 (Add new event): Create an account, login in this account. Press on “Add event” button and test for all input fields, then complete to enter all fields and press on “Save” button. Try to test for an appearance of new event on calendar.
* The approach to testing feature 23 (Delete event): Create an account, login in this account. Press on an event on calendar and press “Delete” button. Try to test for emergence of confirm popup which to ask user, and after pressing “OK”, try to test for a disappearance of this event on calendar.
* The approach to testing feature 24 (Edit event): Create an account, login in this account. Press on an event on calendar and press “Edit” button. Test for all input fields, then complete to enter all fields and press on “Save” button. Try to test for a disappearance of old event on calendar and an appearance of new event on calendar.

# Test Identification

Each Test Case must be written like this template:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Purpose** | **Pre-Condition** | **Procedure** | **Expected Result** | **Status** | **Test Date** | **Executor** | **Note** |
| <Name>\_001 | <Describes briefly whether this test case is to test GUI, or to validate specified field/button/checkbox> | <The condition must be met to execute this test case, for example, to edit user profile, the pre-condition is "User is currently logged in"> | Numbered steps to execute this test case: 1.  2.  3.  4.  5. | <The expected output of test case. If there are multiple expected results, they must be numbered correspondingly to the number of step in test case procedure> | Pass | <mm/dd/yyyy> |  | (Bug\_ID) |

# Feature Pass/Fail Criteria

All features must be run correctly as the design in the respective file in /spec. All common interfaces and features must be contained inspire of they are not mentioned in the /spec.

As follow:

**#001. Login:** *As an user,* *I want to login with my account in order to use software.*

**ACCEPTANCE CRITERIA**

1. Successful login with correct username and password

* Go to home page and see default calendar

1. Unsuccessful login with invalid username or password

* Go to page show “Your ID or password was incorrect”
* Pressing OK will back to sign in page.

1. Validate required fields for ID or password

* Show red message “Required!” in red top each of field

**#002. Register:** *As a guest,* *I want to sign up with a new account in order to log in to use software.*

**ACCEPTANCE CRITERIA**

1. Successful register with all required fields is valid

* Show alert “Welcome to Easilendar”
* Back to Sign in page.

1. Unsuccessful register with Easilendar ID is empty string.

* Show red message “Required!” in top of ID field.

1. Unsuccessful register with Easilendar ID is shorter than 4 characters.

* Show red message “ID name is too short!” in top of ID field.

1. Unsuccessful register with Easilendar ID is longer than 16 characters.

* Show red message “ID name is too long!” in top of ID field.

1. Unsuccessful register with Easilendar ID was already exits.

* Show red message “ID name is not valid!” in top of ID field.

1. Unsuccessful register with Name is empty string.

* Show red message “Required!” in top of name field.

1. Unsuccessful register with Email is not type [abcxyz@gmail.com](mailto:abcxyz@gmail.com)

* Show red message “Unvalid email!” in top of Email field.

1. Unsuccessful register with Password is shorter than 8 characters.

* Show red message “Too short!” in top of Password field.

1. Unsuccessful register with Password is longer than 8 characters.

* Show red message “Too long!” in top of Password field.

1. Unsuccessful register with Confirm is not similar with Password.

* Show red message “Not match!” in top of Confirm field.

1. Click “Back” button

* Back to sign in page.

**#003. View default calendar:** *As an user,* *I want to see default calendar type on Home page after loggin in.*

**ACCEPTANCE CRITERIA**

1. After login, user can see calendar with default view which was set up on setting. (if not setting, default view is month calendar- event list.
2. User changes default calendar to another type of calendar on setting and log in again

* See this type calendar view as default on Home page.

**#004. View My profile:** *As an user,* *I want to see My profile (User calendar and Personal information).*

**ACCEPTANCE CRITERIA**

1. Go to My profile page, first view

* See user’s avatar on top of page.
* See four information tabs {Overview, Information, Friend, More}.
* Tab overview to show global information of user.
* Tab Information to show personal information of user.
* Tab Friend to show friend list of user.
* Tab More to show more information of user.

1. Go to My profile page, change user’s avatar and reload page

* See new avatar of user on My profile page.

1. Go to My profile page, change user’s information and reload page

* See updated information of user on My profile page.

**#005. Search for events or calendar:** *As an user,* *I want to search for my friend and my event by key name of them.*

**ACCEPTANCE CRITERIA**

1. Go to Search page, enter key, choose type of search is people, press “Go” button.

* All result is all user that their name have input key.

1. Go to Search page, enter key, choose type of search is Event, press “Go” button.

* All result is all events that their name have input key.

1. Go to Search page, enter key, choose type of search is All, press “Go” button.

* All result is all events and users that their name have input key.

1. Go to Search page, enter key with empty string, choose type of search is All, press “Go” button.

* Show result is “No result found”.

**#006. Appointment:** *As an user,* *I want to find a meeting time with my friend and send meeting request to my friend.*

**ACCEPTANCE CRITERIA**

1. Go to Appointment page, enter key of friend name on “name” field.

* See list of friend whose name has that input key.

1. Go to Appointment page, enter not valid key on “name” fiedl.

* See “No found” result.

1. Go to Appointment page, choose friend and fill required field with valid input, then press Done button.

* See Result page, includes calendar of two user and list of all valid time meeting for user choose.

1. Go to Appointment page, do not choose friend and press Done button.

* Show alert message “Please choose whom you want to meet!”

1. Go to Appointment page, do not enter to title field and press Done button.

* Alert user by make a title field be red.

1. Go to Appointment page, press “ADVANCE FILTER” and choose starting date is bigger than ending date.

* Alert error to user by red text font.

**#007. Synchonize with Social Networking:** *As an user,* *I want to find a meeting time with my friend and send meeting request to my friend.*

**ACCEPTANCE CRITERIA**

1. Go to Sync page, press on Facebook button and user has not logged in with facebook yet.

* See popup alert “You need login first” and when user press “OK”, open Facebook sign in page.

1. Go to Sync page, press Facebook button and user has already logged in with facebook.

* Two buttons (Update events and Log out) appear below Facebook button.

1. Go to Sync page, press Facebook button and then press update events.

* All Facebook events will be fetched from server and show alert “Update event successful”.

1. Go to Sync page, press Facebook button and then press Log out button.

* Log out with facebook account and show alert “Log out successfully”.

1. After logging out with Facebook account, press Facebook button.

* Show popup alert “You need login first” and when user press “OK”, open Facebook sign in page.

1. Go to Sync page, press on Google calendar button and user has not logged in with google yet.

* See popup alert “You need login first” and when user press “OK”, open Google sign in page.

1. Go to Sync page, press Google calendar button and user has already logged in with google.

* Two buttons (Update events and Log out) appear below Google button.

1. Go to Sync page, press Google button and then press update events.

* All Google Calendar events will be fetched from server and show alert “Update events successful”.

1. Go to Sync page, press Google calendar button and then press Log out button.

* Log out with google account and show alert “Log out successfully”.

1. After logging out with Google account, press Google calendar button.

* Show popup alert “You need login first” and when user press “OK”, open Google sign in page.

**#008. Refresh function:** *As an user,* *I want to refresh my list of events and notifications on Home page*

**ACCEPTANCE CRITERIA**

1. Press on “Refresh” button on leftside menu

* Back to Home page and all user ‘s events and notifications will be updated.

**#009. Setting:** *As an user,* *I want to change some attributes of software such as type of calendar view, start day of week, default view,….*

**ACCEPTANCE CRITERIA**

1. Go to Setting page, change some attributesand open software again.

* All new attributes will be updated.

**#010. Sign out:** *As an user,* *I want to sign out with my account and back to sign in page.*

**ACCEPTANCE CRITERIA**

1. Press on Sign out button on leftside menu

* Show alert “Sign out successfully” and back to Sign in page.

**#011. Exit:** *As an user,* *I want to exit from software.*

**ACCEPTANCE CRITERIA**

1. Press on Exit button on leftside menu

* Show confirm popup “Are you sure”.

1. When user press on “OK” button to confirm

* Close software and back to main desktop of user.

1. When user press on “Cancel” button

* Close popup and back to software interface.

**#012. View Month calendar:** *As an user,* *I want to see my calendar and event by month interface.*

**ACCEPTANCE CRITERIA**

1. On Month calendar Event-List view, press “Next Month” button

* Show calendar of next month.

1. On Month calendar Event-List view, press “Previous Month” button

* Show calendar of previous month.

1. On Month calendar Event-List view, press on name of month

* Show list of months of current year. Press on a month, show calendar of this month.

1. On Month calendar Event-List view, press on name of month, then press “Next year” button

* Show list of months of next year. Press on a month, show calendar of this month.

1. On Month calendar Event-List view, press on name of month, then press “Previous year” button

* Show list of months of previous year. Press on a month, show calendar of this month.

1. On Month calendar Event-List view, press on a day of month.

* Show event list of this day below.

1. On Month calendar Event-List view, press on a event below the calendar.

* Show detail of this event on event-detail page.

1. On Month calendar Event-List view, if a day do not have any event.

* Show title “No event. Press to create” below.

**#013. View Week calendar:** *As an user,* *I want to see my calendar and event by week interface.*

**ACCEPTANCE CRITERIA**

1. On Week calendar view, press “Next week” button.

* Show calendar of next week.

1. On Week calendar view, press “Previous week” button.

* Show calendar of previous week.

1. On Week calendar view, scroll down the calendar table

* Show more about all day calendar on this week.

**#014. View Day calendar:** *As an user,* *I want to see my calendar and event by Day interface.*

**ACCEPTANCE CRITERIA**

1. On Day calendar view, press “Next day” button.

* Show calendar of next day.

1. On Day calendar view, press “Previous day” button.

* Show calendar of previous day.

1. On Day calendar view, press on a event on event list.

* Show detail of this event on event-detail page.

**#015. View calendar by list of events:** *As an user,* *I want to see my calendar and event by list events.*

**ACCEPTANCE CRITERIA**

1. On list events view, scroll down event list.
2. Show more event on list of different days.
3. On list events view, press on a event on event list.
4. Show detail of this event on event-detail page.

**#016. Today function:** *As an user,* *I want to be back to calendar of Today in all type of calendar view*

**ACCEPTANCE CRITERIA**

1. Press on “Today” button on home page

* Back to calendar of today or list event of today.

**#017. View notifications:** *As an user,* *I want to see my notifications (friend, request, respond notifications).*

**ACCEPTANCE CRITERIA**

1. Press on “Notification” button on top-right of home page

* Open notification box and show all friend notifications on friend tag notification.

1. Press on a friend notification on list

* Show about detail information of friend notification.

1. Press on “Request” button or scroll right on notification box

* Show all request notification on request tag notification.

1. Press on a request notification on list

* Show list of choices for this request notification {Accept, Reject…)
* Press Accept, add meeting event to user calendar and send notification to friend.
* Press Reject, delete this notification and this meeting request.

1. Press on “Respond” button or scroll right on notification box

* Show all respond notification on respond tag notification.

1. Press on a respond notification on list

* Show about detail information of respond notification (meeting respond or friend respond).

Document Control

Change History

|  |  |  |
| --- | --- | --- |
| **Revision** | **Release Date** | **Description [list of changed pages and reason for change]** |
|  |  |  |
|  |  |  |

Document Storage

This document was created using Microsoft Office Professional Plus 2013. The file is stored **/EasiLendar/Documents/Test**

Document Owner

Duy Nguyen is responsible for developing and maintaining this document.