

Project: ScheduLync
Team No.: 3 Class: CSE 3310; Spring 2024 Module: Test Plan Deliverable: Test Plan Document

Version: [2.0]

Date: [4/18/2024]

## Revision History

<i>Version number</i>	<i>Date</i>	<i>Originator</i>	<i>Reason for change</i>	<i>High-level description of changes</i>
1.0	4/18/2024	3	Initial draft	
2.0	4/29/2024	3	Updating Test Cases	

## TABLE OF CONTENTS

1. INTRODUCTION AND PLAN OF APPROACH .....	3
2. TEST CASES: "MEMBER" .....	4
3. TEST CASES: "SEARCH" .....	5
4. TEST CASES: "CALENDAR VIEW" .....	7
5. TEST CASES: "EVENT MANAGEMENT" .....	9
6. TEST CASES: "GROUP CREATION" .....	11
7. TEST CASES: "IMPORT CALENDAR" .....	13

## 1. Introduction and Plan of Approach

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Provide a brief description for the following areas:

This is a calendar app that allows individuals to share schedules and personal calendars to make plans. It will show the certain days and specific times that someone is available. To begin, a calendar must be imported. When wanting to propose a plan with someone, an individual would tap on one of the available spots of that specific person's availability in their calendar. It can also be sent to a group of multiple people. The app would then send a request with the description of the event to the desired people. The receiver can then accept, decline, or request a different day and time. This app solves the problem of not having an organized shared calendar to plan events with others. It can be used as a social calendar with multiple friends, a way to plan meeting times between co-workers, a shared calendar of important events with family members, an organized schedule for a workplace, and more.

The components covered in this test plan are Member, Search, Calendar View, Event Management, Group Creation, and Import Calendar.

## 2. Test Cases: "Member"

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**Project Name:** ScheduLync  
**Test Case Name:** Member  
**Test Case Id:** CSE3310/Spring 2024/Team3/Member

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Enter the login screen and press "Sign up with Google"	The system should display the device's existing Google accounts.	
TC2	Press "Sign up with Google" and select existing account to sign up with	The system should let you in and display the member profile setup which would collect the following information: <ul style="list-style-type: none"><li>• Display name</li><li>• Profile Picture (optional)</li></ul>	
TC3	In the member profile setup screen, enter a display name and press "Save"	System should accept and display the calendar	
TC4	In the member profile setup screen, do not enter a display name	The system should not allow you to press "Save"	
TC5	In the member profile setup screen, enter a display name. Then, click the default profile picture, change the profile picture and press "Save"	System should accept and display the calendar	

### 3. Test Cases: "Search"

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**Project Name:** ScheduLync  
**Test Case Name:** Search  
**Test Case Id:** CSE3310/Spring2024/Team3/Search

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Press the "Search" button	The system should allow the user to choose from: <ul style="list-style-type: none"><li>• Search by "Date"</li><li>• Search by "Keyword"</li><li>• Search by "Person"</li><li>• Back Button</li></ul>	
TC2	Press the search by "Event" selection. Enter a valid event (event that is in the calendar)	The system should first display: <ul style="list-style-type: none"><li>• A search bar</li></ul> After entering the event, the system should then display: <ul style="list-style-type: none"><li>• A list with all the upcoming events and people/groups in the calendar for that specific day</li><li>• Back Button</li></ul> The user should be able to scroll through the results if needed.	
TC3	Press the search by "Person" selection. Enter a valid name (name of a person that is in the calendar)	The system should first display: <ul style="list-style-type: none"><li>• A search bar</li></ul> After entering the name, the system should then display: <ul style="list-style-type: none"><li>• A list with all the upcoming events shared</li></ul>	

		<p>with that specific person</p> <ul style="list-style-type: none"> <li>• Back Button</li> </ul> <p>The user should be able to scroll through the results if needed.</p>	
TC4	<p>Press the search by “Keyword” selection. Enter a valid search word (word that is in the calendar)</p>	<p>The system should first display:</p> <ul style="list-style-type: none"> <li>• A search bar</li> </ul> <p>After entering the keyword, the system should then display:</p> <ul style="list-style-type: none"> <li>• A list with all the results regarding that specific keyword in the calendar</li> <li>• Back Button</li> </ul> <p>The user should be able to scroll through the results if needed.</p>	
TC5	<p>Press the search by “Keyword” button and enter an invalid search word</p>	<p>The system should display:</p> <ul style="list-style-type: none"> <li>• “No data found” message</li> <li>• Back Button</li> </ul> <p>It should allow the user to search again using either of the 3 choices</p>	

#### 4. Test Cases: "Calendar View"

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**Project Name:** ScheduLync  
**Test Case Name:** Calendar View  
**Test Case Id:** CSE3310/Spring2024/Team3/Calendar-View

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Press the view by "Week" button	The system should display: <ul style="list-style-type: none"><li>• A week view of the calendar with events and people/groups in it</li></ul>	
TC2	Press the view by "Week" then press the view by "Month" button	The system should display: <ul style="list-style-type: none"><li>• A month view of the calendar with events and people/groups in it</li></ul>	
TC3	Press the view by "Day" button	The system should display: <ul style="list-style-type: none"><li>• A day view of the calendar with events and people/groups in it</li><li>• Exit View(X)</li></ul> The user should be able to scroll through the calendar by days	
TC4	Start by pressing the view by "Week" button and switch to the weekly view by pressing the view by "Day" button	The system should be first in a view of the calendar by week. A button should appear to switch views. The user then should be able to choose to view the calendar by day and be displayed on the screen.	
TC5	Start in the view by month option. Press on the "Front" and "Back" arrows next to the month	The system should be able to switch between the current months. The dates should line up with the correct days of the week.	



TC6	Press the view by “Week” button. Then press on the “Front” and “Back” arrows	The system should be able to switch between the current weeks. The dates should line up with the correct day of the week.	
TC7	Press the view by “Day” button. Then press on the “Front” and “Back” arrows	The system should be able to switch between the days.	

## 5. Test Cases: "Event Management"

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**Project Name:** ScheduLync  
**Test Case Name:** Event Management  
**Test Case Id:** CSE3310/Spring 2024/Team3/Event-Management

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Press the "New Event" Button	<p>The system should display a popup window with a selection of buttons in relation to creating a new event such as:</p> <ul style="list-style-type: none"><li>• Date</li><li>• Time</li><li>• Location</li><li>• Etc.</li></ul> <p>From there, after filling out all the information, the user should be able to send out invitations to group(s).</p>	
TC2	Press "Accept" or "Decline"	<p>When a user receives a notification of a new event via app notification or email, they have the option to click:</p> <ul style="list-style-type: none"><li>• Accept</li><li>• Decline</li></ul> <p>If the user clicks accept, the software adds them to the list of people attending said event. If user clicks decline, user is not added to the event and the event creator is not notified.</p>	
TC3	Press the "Delete Event" button	<p>Note: Only designated event leader can delete an event.</p> <p>When a user clicks on the</p>	

		<p>“Delete Event” button, they are prompt with a question asking if they’re sure they want to delete the event. If they say yes, all details of the event is deleted from the database and calendars of all users who were on the list (the ones who accepted).</p>	
TC4	Press “Update Event”	<p>Note: Only designated event leader can update an event.</p> <p>Pops up all the details of an event with the option to modify/edit details such as date, location, time etc.</p>	
TC5	Press “Propose”	<p>After creating a new event and adding people that need to be invited, the user should be able to click “Propose” which sends out the invitation notification out to users. Depending on user settings, notifications may appear through email, application, or both.</p>	

## 6. Test Cases: "Group Creation"

**Project Name:** ScheduLync  
**Test Case Name:** Group Creation  
**Test Case Id:** CSE3310/Spring 2024/Team3/Group-Creation

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Enter the screen with calendar display press "Add Group" button	The system should display and collect the information below <ul style="list-style-type: none"><li>- Group name</li><li>- Group info</li><li>- Manage group members (with an option to keep adding users and a minus sign next to each added member to enable removal)</li><li>- Button to create group</li></ul>	
TC2	Enter the "Create Group" screen and click "Manage group members"	Once you type in an email and enter, the email will save to the list view which allows uses to keep adding users and if you long click you= the group leader can remove any email added previously (before actually creating group and sending out notifications)	
TC3	Enter the "Group Creation" screen and add name but add no one inside the group after clicking the "Create Group Button"	It's going to make a group and display it in the list of groups in calendar view screen without any members inside it.	
TC4	Enters "Group Creation" screen but does not enter	You won't be able to make a group and you would be	

	anything, including group name and tries to make a group	required to put a group name	
TC5	Enters “Group Creation” screen and tries to go back to the previous screen after putting some information in	The information will not be saved and you will be directed back to the list of groups that is displayed in calendar view screen	

## 7. Test Cases: "Import Calendar"

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**Project Name:** ScheduLync  
**Test Case Name:** Import Calendar  
**Test Case Id:** CSE3310/Spring 2024/Team3/Import-Calendar

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Inside the very first screen, you click the button that allows you to sign in with your Google account	In the display, Google will ask, "Use your sign in for ScheduLync?" and there will be an option for you to click "continue"	
TC2	Inside the screen where you are logging into your Google account, you click the button "continue" that lets you move on to the signing in process	In the display, Google will say "signing you in..." and will successfully sign you into your Google account	
TC3	Log into your Google account verify you don't have any events in your original Google Calendar	Inside the main "calendar view" your calendar will be empty and you will not have any events listed inside. Just the calendars will show up with the first directed screen being the current month	
TC4	Log into your Google account and verify you have events from your original Google calendar imported to our calendar app	The events will all show up inside our calendar and will have different views based on month, week, and day. <ul style="list-style-type: none"><li>- Monthly view: briefly mark that we have events in certain days</li><li>- Week view: briefly mark that we have events in certain days</li><li>- Day view: We will have a timeline of events</li></ul>	

		inside a certain day and inside the empty time slots we will allow the user to add events and notify group members	
TC5	Log into your Google account and verify you have all events that overlapped from one specific day organized correctly into our calendar and are in the same order	In the calendar view display the events from Google calendar will be shown in the same order as Google calendar and overlapping events will still be organized	