|  |
| --- |
| USE CASES |



FLEX: SCHEDULING APPLICATION

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| SAN DIEGO SOFTWARE  JANUARY 27, 2017   |  |  |  | | --- | --- | --- | | **Orr Yakobi**, Project Manager  **Aidan Keogh**, Software Dev Lead  **Amanda Smith**, UI Specialist | **Anand Kumar**, Senior System Analyst  **Oliver Ganguli**, Database Specialist  **Steven Lay**, Business Analyst | **Tal Ben-Ari**, Software Architect  **Abram Trinh**, Quality Assurance  **Matt Olsen**, Database Specialist | | | |

# Table of Contents

[Table of Contents](#_8fsnm2l6qp4i)

[User Sign In [UA 03]](#_1ce50nlkg380)

[User Sign Out[UA 04]](#_9odrmq4l5l16)

[Creating Tasks [TM 01]](#_cwottrpud68e)

[Modifying Tasks [TM 02]](#_x035dxnexpdo)

[Deleting Tasks[TM 03]](#_jrrxmqr7yd7e)

[Marking Task Completed [TM 04]](#_gougauq2ylt3)

[Prioritizing Tasks [TM 05]](#_g7dbejkc5rwx)

[Managing Calendar Conflicts [CM 02]](#_jan83u3as7t2)\*

[Managing Overloaded Calendar [CM 03]](#_478n2ht3xtc7)\*

[Viewing Calendar [CM 04]](#_3gz4pn1bhifx)\*

[Accessing The Help Page [US 01]](#_mgcyjiwryk2h)

[Contacting Customer Support [US 02]](#_dape2gz8llhb)

# 

# 

# Overview

## 

## **User Account Management (UA)**

1. Sign in
2. Sign out

## **Todo List Management (TM)**

1. Create task
2. Modify task
3. Delete task
4. Mark task as complete
5. Schedule tasks
6. Conflict resolution\*

## **Task View (TV)**

1. View tasks
2. Sort tasks
3. Filter tasks
4. Search for task

## **Calendar View (CV)**

1. View calendar\*
2. Search for event\*
3. Task details\*

## **Settings Page (SPA)**

1. View settings\*
2. Update settings\*

## **User Support (US)**

1. Access the help page
2. Contact customer support

## **Task/Event Fields (REF 01):**

1. Description
2. Priority
3. Date
4. Time
5. Location
6. Duration
7. Recurring Task/Not Recurring Task
8. Flexibility

# 

# 

# 

# Use Case Variable Key

**Priority Level:**

|  |  |
| --- | --- |
| **1** | Core Functionality, Critical to application |
| **2** | Extended Functionality, Noncritical to application but of value |
| **3** | Future Extension, Noncritical to application and of low importance |

**Status:**

|  |  |
| --- | --- |
| **Implemented** | Use case is implemented into application and is functioning. |
| **Incompleted** | Use case is in the progress of being implemented into the application. |
| **Delayed** | Use case’s development is put on hold. |

**Test-phase status:**

|  |  |
| --- | --- |
| **Completed** | Test Phase complete and use case is functional. |
| **In Progress** | Test Phase is in the process of being tested |
| **Incompleted** | Test phase is not being tested. |

# User Sign In [UA 01]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the process of the user to sign in into the application. |
| ACTOR | The webpage user |
| DESIRED OUTCOME | The user shall be able to sign in via their Google Account using the OAuth 2.0 protocol and view their information. |
| USER GOALS | The user wants to view their personalized tasks and events. |
| DEPENDENT USE CASES | * (none) |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 1 * Status: Implemented * Test-phase status: Complete |
| PRE-CONDITIONS | * The user has opened the webpage and is at the Sign in Page. * The user is not currently signed in |
| POST-CONDITIONS | * The system shall redirect the user to the main screen. * The user shall be signed into the website and be able to view their information. |
| TRIGGER | The user selects the Sign in button. |
| WORKFLOW | 1. The user shall open the Sign in page. 2. The user shall click the OAuth button. 3. The user shall enter their Sign in credentials if not already saved. 4. The system shall confirm the validity of the username and password and display the main screen to the user with their personalized details. |
| ALTERNATE PATHS | 1. The user shall insert invalid sign in information. The system shall display an error message (Continue from Workflow Step 2). |

# User Sign Out [UA 02]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to sign out of the application. |
| ACTOR | The webpage user |
| DESIRED OUTCOME | The user shall be able to sign out of their account. The system shall preserve all changes to the user’s data. |
| USER GOALS | The user is finished using the application and wants to sign out to preserve security. |
| DEPENDENT USE CASES | * UA 01 - User Sign In |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 1 * Status: Implemented * Test-phase status: Completed |
| PRE-CONDITIONS | * The user is currently signed in. * The user is at at any page with a Navigation Bar. |
| POST-CONDITIONS | * The system shall preserve all modifications made by the user. * The system shall redirect the user to the Sign in page. |
| TRIGGER | The user wants to switch accounts or sign out for security reasons. |
| WORKFLOW | 1. The user shall click the “Sign Out” button from any page. 2. The system shall push any changes made by the user to the database. |
| ALTERNATE PATHS | None |

# 

# 

# Create Task [TM 01]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to create a task. |
| ACTOR | The webpage user |
| DESIRED OUTCOME | The user shall be able to create new tasks which will be integrated into their calendar. |
| USER GOALS | The user has and wants to complete a task within the constraints of their existing schedule. |
| DEPENDENT USE CASES | * UA 01 - User Sign In * TV 01 - View Tasks |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 1 * Status: Implemented * Test-phase status: Completed |
| PRE-CONDITIONS | * The user shall be on Task View. * The user has a task in mind to create. |
| POST-CONDITIONS | * The system shall update the relevant calendar with the new task. |
| TRIGGER | The user wants to add a new responsibility to their schedule. |
| WORKFLOW | 1. The user shall click on the “New Task” button. 2. The system shall display the Task/Event Fields (REF 01). 3. The user shall fill fields from (REF 01). 4. The system shall create a new task and add to the list of tasks. |
| ALTERNATE PATHS | 1. The user decides not to create an event after clicking on the “New Task” button. 2. The user shall repeat step 1 and optionally 2. 3. The user shall click on the red x button to exit. 4. The system shall take the user back to the todo list. |

# 

# 

# Modify Tasks [TM 02]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to modify a task. |
| ACTOR | The webpage user. |
| DESIRED OUTCOME | The user shall be able to modify the details of their tasks. |
| USER GOALS | The user wants to update the details of their task so that the details are up-to-date. |
| DEPENDENT USE CASES | * TM 01 - Creating Tasks * TV 01 - View Tasks |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 1 * Status: Implemented * Test-phase status: Completed |
| PRE-CONDITIONS | * The user shall have a task. * The user shall be on the My Tasks page. |
| POST-CONDITIONS | * The system shall update the details of the task. |
| TRIGGER | The user wants to change the details in a previously created task. |
| WORKFLOW | 1. The user shall click on the task they wish to edit. 2. The system shall then display the details of the task with input fields. 3. The user shall then update the texts in the input fields accordingly. 4. The system shall update the task. |
| ALTERNATE PATHS | 1. The user decides not to update the details of the task. 2. The user shall exit the task details by clicking on the red x. |

# Delete Task [TM 03]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to delete a task. |
| ACTOR | The webpage user. |
| DESIRED OUTCOME | The user shall be able to delete tasks from their todo list and ….from their calendar. |
| USER GOALS | The user wants to disregard a task that no longer has to be completed. |
| DEPENDENT USE CASES | * TM 01 - Creating Tasks * TV 01 - View Tasks |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 1 * Status: Implemented * Test-phase status: Completed |
| PRE-CONDITIONS | * The user shall be on the task page or calendar page. * The task shall exist. |
| POST-CONDITIONS | * The system shall remove the task from the task list and the calendar. * The calendar must be refreshed to display changes. |
| TRIGGER | The user wants to remove a task from their task list. |
| WORKFLOW | 1. The user shall go to the Todo list. 2. The system shall display the list of the tasks to be completed. 3. The user shall select a task. 4. The user shall press the “Delete” button displayed on the right corner of the task. 5. The system shall remove the task from the todo list. |
| ALTERNATE PATHS | 1. The user does not want to delete the task from the todo list after they have clicked the trashcan button. 2. The user shall be on Step 5. 3. The user shall press the red x button. 4. The system shall direct the user back to the task list page. |

# 

# Task Completion [TM 04]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to mark a task as completed. |
| ACTOR | The webpage user. |
| DESIRED OUTCOME | The user no longer sees the completed task in their upcoming schedule. |
| USER GOALS | The user wants to mark one of their task as completed. |
| DEPENDENT USE CASES | * TM 01 - Creating Tasks * TV 01 - View Tasks |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 1 * Status: Implemented * Test-phase status: Completed |
| PRE-CONDITIONS | * The task shall be scheduled. |
| POST-CONDITIONS | * The system shall remove the completed task from the schedule. |
| TRIGGER | The user wants to mark the task done so that they can have an undistracting view of unfinished tasks. |
| WORKFLOW | 1. The user shall be on the Todo list page. 2. The system shall display a list of tasks that were scheduled prior to sign in. 3. The user shall select “Completed” for tasks they do not want rescheduled. |
| ALTERNATE PATHS | None |

# Task Scheduling [TM 05]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to have tasks scheduled into their calendar. |
| ACTOR | The webpage user. |
| DESIRED OUTCOME | The tasks are properly scheduled into the user’s Google Calendar. |
| USER GOALS | The user wants to have their tasks scheduled. |
| DEPENDENT USE CASES | * TM 01 - Creating Tasks * TV 01 - View Tasks |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 1 * Status: Implemented * Test-phase status: Completed |
| PRE-CONDITIONS | * The user shall have a task on their task list. |
| POST-CONDITIONS | * The system shall update the calendar to reflect the new schedule. |
| TRIGGER | The user wants their list of tasks to be scheduled into their schedule. |
| WORKFLOW | 1. The user shall click on the task list with all of the user’s tasks. 2. The use shall click on the “Schedule Tasks” button. 3. The system shall optimize the schedule tasks with relation to the user’s Google Calendar. 4. The system shall add the events to the Google Calendar. 5. The user shall be able to see that the tasks were scheduled. |
| ALTERNATE PATHS | None |

# 

# View Tasks [TV 01]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to view the task list. |
| ACTOR | The webpage user |
| DESIRED OUTCOME | The task list shall display tasks that have been created. |
| USER GOALS | The user wants to be able to view their task items that they have created. |
| DEPENDENT USE CASES | * UA 01 - User Sign In |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 1 * Status: Implemented * Test-phase status: Completed |
| PRE-CONDITIONS | * The user shall be viewing the “My Tasks” page. |
| POST-CONDITIONS | * The user’s task shall be displayed in greater detail. |
| TRIGGER | The user wants to get an overview of their tasks. |
| WORKFLOW | 1. The user shall click on a task. 2. The system shall display the properties of the task. |
| ALTERNATE PATHS | None |

# Sort Tasks By Priority [TV 02]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to sort the task list by user-defined priority. |
| ACTOR | The webpage user. |
| DESIRED OUTCOME | The task list shall display tasks that have been ordered by priority. |
| USER GOALS | To view their task items in order of their priority. |
| DEPENDENT USE CASES | * UA 01 - User Sign In * TM 01 - Creating Tasks * TV 01 - View Tasks |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 3 * Status: Delayed * Test-phase status: Incomplete |
| PRE-CONDITIONS | * The user shall be viewing the “Task View” page * The user shall have existing tasks |
| POST-CONDITIONS | * The “Task View” page shall display all tasks in order of priority. |
| TRIGGER | The user wants to view their tasks in order of importance. |
| WORKFLOW | 1. The user shall click the “Sort By Priority” button 2. The system shall order the tasks from high priority to low priority 3. The system shall display the tasks by priority ordering |
| ALTERNATE PATHS | 1. (none) |

# Filter Tasks[TV 03]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to filter the task list to only show tasks from a specific calendar. |
| ACTOR | The webpage user |
| DESIRED OUTCOME | The task list shall only display tasks on a specific calendar. |
| USER GOALS | To view only tasks that are on a specific calendar. |
| DEPENDENT USE CASES | * UA 01 - User Sign In * TM 01 - Creating Tasks * TV 01 - View Tasks |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 3 * Status: Delayed * Test-phase status: Incomplete |
| PRE-CONDITIONS | * The user shall be on the task view page. |
| POST-CONDITIONS | * The task list shall only display tasks from the specified calendar. |
| TRIGGER | The user wants to see the tasks on a specific calendar. |
| WORKFLOW | 1. The user shall click the button “Filter by calendar.” 2. The system shall display a list of the user’s calendars. 3. The user shall click on the calendar they wish to filter by. 4. The system shall hide all tasks that are not on that calendar. |
| ALTERNATE PATHS | 1. The user shall complete steps 1-2. 2. The user shall click the button “Cancel.” 3. The system shall close the display showing the user’s calendars. |

# Task Search [TV 04]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to search the task list to find specific tasks. |
| ACTOR | The webpage user. |
| DESIRED OUTCOME | The task list will only display tasks that the user searched for. |
| USER GOALS | To find a specific task in their task list. |
| DEPENDENT USE CASES | * UA 01 - User Sign In * TM 01 - Creating Tasks * TV 01 - View Tasks |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 3 * Status: Delayed * Test-phase status: Incomplete |
| PRE-CONDITIONS | * The user shall be on the task view page. |
| POST-CONDITIONS | * The task list will only display tasks containing the searched string. |
| TRIGGER | The user wants to find a task. |
| WORKFLOW | 1. The user shall click on the search bar. 2. The user shall enter the name of their task. 3. The system shall hide all tasks on the task list whose names do not contain the entered name. |
| ALTERNATE PATHS | 1. The user shall complete steps 1-3. 2. The system shall not find any tasks whose names contain the entered name. 3. The system shall display the message “Task not found.” |

# View Settings [SP 01]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to view all of the settings available to them. |
| ACTOR | The webpage user |
| DESIRED OUTCOME | The task list will only display the current setting. |
| USER GOALS | To view the current settings of their calendar. |
| DEPENDENT USE CASES | * User Sign In [UA 01] |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 3 * Status: Delayed * Test-phase status: Incomplete |
| PRE-CONDITIONS | * The user shall have created an account. * The user shall be signed into the web application. |
| POST-CONDITIONS | * The system shall redirect the user to the settings page. |
| TRIGGER | The user wants to better understand how their events are scheduled. |
| WORKFLOW | 1. The user shall click on the setting icon 2. The system shall display a list of current settings |
| ALTERNATE PATHS | None |

# Change Settings [SP 02]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to change one or more of their settings. |
| ACTOR | The webpage user |
| DESIRED OUTCOME | The user shall be able to their current settings. |
| USER GOALS | To change their settings for our web application. |
| DEPENDENT USE CASES | * User Sign In [UA 01] |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 3 * Status: Delayed * Test-phase status: Incomplete |
| PRE-CONDITIONS | * The user shall have created an account |
| POST-CONDITIONS | * The system shall update the user’s setting attributes. * The system shall alert the user that settings has been updated. |
| TRIGGER | The user wants to change how their events are scheduled. |
| WORKFLOW | 1. The user shall click on the settings icon. 2. The system shall display a list of settings. 3. The user shall then select and change their settings according to their needs. 4. The user shall then click save. 5. The system shall alert the user that their settings has been saved. |
| ALTERNATE PATHS | 1. The user decides not to make any changes to their settings    1. The user shall click “cancel”    2. The system shall redirect the user back to the page they were originally at. |

# Access Help Page [US 01]

|  |  |
| --- | --- |
| DESCRIPTION | Outlines the ability of the user to access documentation intended to assist the user. |
| ACTOR | The webpage user |
| DESIRED OUTCOME | The user shall be able to know more about what the application does. |
| USER GOALS | The user wants to know more about what the application does. |
| DEPENDENT USE CASES | * CV 01 - Viewing Calendar |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 1 * Status: Implemented * Test-phase status: Completed |
| PRE-CONDITIONS | * The user shall be viewing either the task page . |
| POST-CONDITIONS | * The system shall display the help page |
| TRIGGER | The user wants to find out more about the application. |
| WORKFLOW | 1. The user shall click on the “help” button 2. The system shall display the help page |
| ALTERNATE PATHS | None |

# Contacting Customer Support [US 02]

|  |  |
| --- | --- |
| DESCRIPTION | This use case outlines the ability of the user to contact customer support. |
| ACTOR | The webpage user |
| DESIRED OUTCOME | The user shall be able to learn more about the application and resolve any issues by contacting customer support. |
| USER GOALS | The user wants to inquire more about the application and/or fix any problems they encounter. |
| DEPENDENT USE CASES | * UA 01 - User Sign In |
| INVOLVED REQUIREMENTS | * (To be determined upon the completion of development) |
| DETAILS | * Priority: 3 * Status: Delayed * Test-phase status: Incomplete |
| PRE-CONDITIONS | * (none) |
| POST-CONDITIONS | * The user shall be in contact with customer support. |
| TRIGGER | The user wants to resolve a conflict or inquire about the application. |
| WORKFLOW | 1. The user shall click on the “Customer Support” button. 2. The system shall display a text field for the user to enter their message for customer support. 3. The user shall write their desired message into the text field. 4. The user shall click the “Send” button. 5. The system shall display a message of confirmation. |
| ALTERNATE PATHS | 1. The user decides not to contact customer support after clicking on the “Customer Support” button.    1. The user shall click the “Exit” button on the Customer Support page.    2. The system shall redirect to the Home page. |