

Test Plan Document

IDENTIFICATION INFORMATION SECTION

PRODUCT

- **Product Name:** Todoist

FEATURE DESCRIPTION

- Google Calendar synchronization - Add a todo item with content and due Date

Test engineers

- Nathan Nguyen

Backend engineers:

- N/A

Frontend engineers:

- N/A

TEST STRATEGY

- This feature required to test on third party system, then SDETs need a provided Google Service Account to interact with GCalendar SDK <https://developers.google.com/calendar/quickstart/nodejs>
 - Functions to test:
 1. Default duration for dueDate item
 2. Custom duration for dueDate item
 3. item With dueDate not specific hour
 4. item with dueDate has specific hour
- Approach:
 1. Got a google service account which already sign up for Todoist, integrated with GCalendar
 2. Exec UI automation from NodeJS UI Automation Framework
 3. Send http request / call function in GCalendar SDK to validate event created in GCalendar (<https://googleapis.dev/nodejs/googleapis/latest/calendar/classes/Calendar.html>)

TEST CASES:

- ###Prerequisite:
 - A google service account which already sign up for Todoist, integrated with GCalendar

TEST CASES

#	Precondition	OBJECTIVE	INPUT	EXPECTED RESULTS
1	Todoist account already integrated with Google	Validate item with no specific due date hour	itemContent = "any", itemDueDate = "Tomorrow"	GCalendar has a all day event with correct itemContent, Date
2	Todoist account already integrated with Google	Validate item with specific due date hour	itemContent = "any", itemDueDate = "Tomorrow 14:00"	GCalendar has a all day event with correct itemContent, Date, Start hour, duration base on integration setting
3	Todoist account already integrated with Google	Validate item with no specific due date hour and custom duration	itemContent = "[90m]any", itemDueDate = "Tomorrow"	"item created as itemContent = "any", [90m] has been removed , GCalendar has a all day event with correct itemContent, Date"

#	Precondition	OBJECTIVE	INPUT	EXPECTED RESULTS
4	Todoist account already integrated with Google	Validate item with specific due date hour and custom duration	itemContent = "[90m]any", itemDueDate = "Tomorrow 14:00"	"item created as itemContent = "any", [90m] has been removed , GCalendar has an event with correct itemContent, Date, Start time . Duration in minute equal to custom duration from itemContent input"
5	Todoist account already integrated with Google	Validate item with specific due date hour and custom duration	itemContent = "[0m]any", itemDueDate = "Tomorrow 14:00"	"item created as itemContent = "any", [0m] has been removed , GCalendar has an event with correct itemContent, Date, Start time . Duration in minute equal to custom duration from itemContent input ? (0 minutes ?) "

Additional question: Which function we can't automation:

- * This Google Syncing feature, functions that we can't automated are :
1. First integration set up between todoist <> Google
 2. Remove then add another new google account to todoist