

Reqs	Valid/Invalid	Test Inputs	Expected Outputs	Description
Registration	-	-	-	-
(email)	I	null	msg "All fields are required"	Email field is empty
-	V	new@user.com	msg "Registration Successful"	Valid email that is not associated with an existing account, which allows the user to continue with their registration
-	I	testing email@gmail.com	invalid email format, msg "Invalid email format: Email must not contain spaces"	Correct email format must not include spaces
-	I	used@user.com	msg "Email already registered"	Email already exists in the database
-	I	1	invalid email format, msg "Invalid email format: Email must contain @"	No valid email address as it doesnt include @gmail.com for example
-	I	user@	msg "Invalid email format: Missing domain"	Email must have a domain after the '@' symbol to be valid
(password)	I	null	msg "All fields required"	No password entered meaning user cannot register an account
-	V	Password@123	msg "Registration Successful"	The password character limit is above 6 which allows the user to register
-	I	pass	<8 characters, invalid format, msg "Password must be at least 8 characters long."	User typed <8 characters meaning that they cannot register.
-	I	PASSWORD@123	msg "Password must contain at least one number, one uppercase and lowercase letter, at least one special character, and at least 8 or more characters."	User must use both lowercase and uppercase
-	I	PASSWORD@	msg "Password must contain at least one number, one uppercase and lowercase letter, at least one special character, and at least 8 or more characters."	User must use numbers
-	I	Password123	msg "Password must contain at least one number, one uppercase and lowercase letter, at least one special character, and at least 8 or more characters."	User must use symbols
(first name)	I	null	"All fields are required."	no fields entered. User prompted to enter the information
-	V	Tom	"Registration successful"	Valid field.
-	I	1+/2	invalid name, numbers and special character are invalid, msg "First Name: Only alphabet characters are allowed"	Invalid. No special characters are allowed in the first or lastname sections
(last name)	I	null	msg "Please fill in all the required fields"	Null Value. User prompted to type in information
-	V	Smith	valid input, only alphabetic characters	Valid input.
-	I	1+/2	invalid name, numbers and special character are invalid, msg "Last Name: Only alphabet characters are allowed"	Only alphabetic characters allowed, the use of + and / are special characters so it would throw an error.
Login	-	-	-	-
(Email)	I	null	"Please fill out this field"	No email
-	V	valid@user.com	Valid email format. Email is in database.	Valid email that is associated with an account(local storage). Only returns something if both email and password is valid.
-	I	test@test.com	msg "Email or Password is incorrect"	Valid email that is not associated with an account(local storage)
(password)	I	null	"Please fill out this field"	No password entered
-	V	Password@123	Password matches database. Password is valid. Redirect to home page.	The password matches the one in the database(Local Storage) Only return if both email and password is valid
-	I	pass	Password does not match database. Password is invalid. msg "Email or password is incorrect."	The password does not match the one in the database (Local Storage)
Create Group	-	-	-	-
(Group Name)	I	null	"Group name is required"	No group name
-	I	(a)*50	"Group name must be less than 50 characters"	Name more than or equal to 50 characters
-	V	Utsab's Group	Name is valid.	Name is valid. Only returns something if all fields are valid
(Group ID)	I	null	"Group ID must be exactly 5 digits"	Invalid ID. Must be 5 digits
-	I	1234a	"Group ID must contain only digits"	Invalid ID. Must be only Digits
-	V	12345	ID is valid	ID is valid. Only returns something if all fields are valid.
{Group Description}	I	(/)*200	"Description must be less than 200 characters"	Invalid description. Must be lower than 200 chars.
-	V	Everything else	Valid Description	Valid description. No restriction on contents.
-	V	null	Valid Description	Empty description is valid due to it being optional
('Create Group' Button)	V	All valid inputs. Button clicked.	Creates Group	Group is created in database(local storage). Also updates groups in 'Your Groups' section
Your Groups	-	-	-	-
('View' button)	V	Button clicked	Go into group page	Clicking on view button of the group brings you into it
('Delete'/'Leave' button)	V	Button clicked	Delete Group	Clicking the delete/leave button of the group deletes/leaves it (admin is delete, member is leave)
Task Creation	-	-	-	-
(Task Title)	I	(a) * 51	msg "Title must be lower than 50 characters"	Exceeds character limit
-	V	Title	-Valid Title	Valid title. All fields must be valid for output.
-	I	null	msg "Task Title is required"	Task title input field must be filled.
(Task Description)	I	(a)*200	msg "Description must be lower than 200 characters"	Exceeds character limit
-	V	Anything	Valid description	Valid. All fields must be valid for output.
-	V	null	Valid description	Empty description is valid due to it being optional
(Recurrence)	V	Weekly	Recurrence saved	Valid option
-	V	One-Time	Recurrence saved	Valid option
-	V	Monthly	Recurrence saved	Valid option
-	V	none	Recurrence saved	Valid option
(Assign Users)	I	null	Task creation unsuccessful msg "Members required for task creation"	No user assigned. The task cannot be created without one or more users being assigned to it
-	V	All members	Assignees saved	All group members are added to the task
-	V	One or more users selected	Assignees saved	One or more users are assigned to the task
(Task Priority)	I	null	msg "Priority required for task creation"	Task priority must be selected for successful task creation
-	V	Critical	Priority saved	Valid Priority.
-	V	Important	Priority saved	Valid Priority.
-	V	Low Priority	Priority saved	Valid Priority.
(Deadline)	V	2025-06-01	Date is displayed	if 2025-05-29 is current date, this date is valid. Dates after current day are valid.
-	I	null	Task deadline is required	Date for task deadline must be picked
-	I	2023-03-02	Unable to select this date	Dates that come before today cannot be selected as deadlines
Payment Creation	-	-	-	-
(Give Total Cost)	I	asxcw1	msg,"Total Cost must be numbers only" (Cannot be inserted)	Invalid total cost. Letters are not accepted in the input.
-	I	@@#\$%	msg,"Total Cost must be numbers only" (Cannot be inserted)	Invalid total cost. Symbols are not accepted in the input.
-	V	12000	Valid total cost	Valid. All fields are required for output.
-	I	null	msg "Total cost is required"	Invalid. Input is required for total cost.
(Cost Description)	I	(a)*200	msg "Description must be lower than 200 characters"	Exceeds character limit
-	V	null	valid description	Description can be null due to it being optional.
-	V	Anything	Valid description	Valid. All fields must be valid for output.
(Recurrence)	V	Weekly	Recurrence saved	Valid option
-	V	One-Time	Recurrence saved	Valid option
-	V	Monthly	Recurrence saved	Valid option
(Assign Users)	I	null	Cost splitting unsuccessful msg "Members required for cost splitting"	No user assigned. The cost cannot be split without one or more users being assigned to it
-	V	All members	Assignees saved	All group members are added to the task
-	V	One or more users selected	Assignees saved	One or more users are assigned to the task
(Cost Priority)	I	null	msg "Priority required for cost splitting"	Cost priority must be selected for successful cost splitting
-	V	Critical	Priority saved	Valid Priority.
-	V	Important	Priority saved	Valid Priority.
-	V	Low Priority	Priority saved	Valid Priority.
(Deadline)	V	2025-06-01	Date is displayed	if 2025-05-29 is current date, this date is valid. Dates after current day are valid.
-	I	2023-03-02	Unable to select this date	Dates that come before today cannot be selected as deadlines