

Test Plan

Stratify

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Functional Requirement 1

As a user, I would like to be able to sign up to Stratify

Functional Test Cases

Test ID	1
Title	Sign up
Instructions	New user clicks on “Sign up” button
Expected Result	Page appears for user to enter credentials to make an account
Severity	Critical

Equivalence Test Cases

Test ID	2
Title	Display Name too long (> 50 characters)
Instructions	On the sign up page enter a profile name that's longer than 50 characters
Expected Result	Web app displays a “Display name too long” error
Severity	Workaround

Boundary Test cases

Test ID	3
Title	Password is not strong enough
Instructions	While signing up for an account, the user must choose a secure password
Expected Result	Web application shows error if password isn't strong enough

Severity	Important
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Test ID	4
Title	Field not entered
Instructions	While signing up for an account, leave username/password field blank
Expected Result	Web application shows error prompting you to input all fields
Severity	Important

Functional Requirement 2

As a user, I would like to login to my account

Functional Test Cases

Test ID	5
Title	Login with username and password
Instructions	Click on "Login" button
Expected Result	User will be welcomed to the home page
Severity	Critical

Test ID	6
Title	Invalid Login
Instructions	Click on "Login" button. Enter wrong credentials in the fields
Expected Result	An authentication error displays and user is not able to login until the right credentials are filled.
Severity	Important

Equivalence Test Cases

Test ID	7
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Title	New users trying to Login without signing up
Instructions	Click on “Login” button, and enter in random credentials
Expected Result	An error is displayed telling the user no account found
Severity	Important

Functional Requirement 3

As a user, I would like to be able to confirm my email when signing up for Stratify

Functional Test Cases

Test ID	8
Title	Email confirmation
Instructions	Sign up for an account and enter your email
Expected Result	User should receive an email confirming their account was created
Severity	Critical

Equivalence Test Cases

Test ID	9
Title	Email is in correct display format
Instructions	In the sign up page, enter an email that is not in a correct format (ex: doesn't have “@” sign)
Expected Result	App will prompt the user to enter a valid email address
Severity	Important

Boundary Test Cases

Test ID	10
Title	No email

Instructions	On the sign up page, leave the email field blank
Expected Result	Web app displays an error prompting you to fill in the email field
Severity	Workaround

Functional Requirement 4

As a user, I would like to be able to see my dashboard on the homescreen once I am logged in

Functional Test Cases

Test ID	11
Title	See dashboard
Instructions	Login with your credentials
Expected Result	User should be able to see the home screen which shows their dashboard
Severity	Critical

Functional Requirement 5

As a user I would like to be able to have an option to see my statistics

Functional Test Cases

Test ID	12
Title	See Statistics
Instructions	Click on the statistics tab
Expected Result	User should be able to click on
Severity	Critical

Equivalence Test Cases

Test ID	13
Title	Email is in correct display format
Instructions	In the sign up page, enter an email that is not in a correct format (ex: doesn't have "@" sign")
Expected Result	App will prompt the user to enter a valid email

	address
Severity	Important

Boundary Test Cases

Test ID	14
Title	No email
Instructions	On the sign up page, leave the email field blank
Expected Result	Web app displays an error prompting you to fill in the email field
Severity	Workaround

Functional Requirement 6

As a user I would like to be able to have the option to add a task to my dashboard

Test ID	15
Title	Add task
Instructions	Click on add a task
Expected Result	User should be able to add a task to the dashboard
Severity	Critical

Equivalence Test Cases

Test ID	16
Title	Valid inputs
Instructions	Enter non alpha-numeric for adding a task
Expected Result	Message should appear prompting to enter alphanumeric characters
Severity	Important

Functional Requirement 7

As a user, I would like to be able to have the option to remove a task from my dashboard.

Functional Test Cases

Test ID	17
Title	Remove button
Instructions	Click on remove button
Expected Result	Click is registered and signal sent to the backend
Severity	Workaround

Test ID	18
Title	Remove task
Instructions	Click on remove button and refresh the page
Expected Result	The task should no longer be viewable for the user
Severity	Important

Test ID	19
Title	Remove task info
Instructions	Click on remove button and refresh the page
Expected Result	The task should be removed from the database
Severity	Important

Functional Requirement 8

As a user, I would like to see the statistics of my board in the form of a pie chart.

Functional Test Cases

Test ID	20
Title	Statistics tab
Instructions	Click on statistics tab
Expected Result	Click is registered and signal sent to the backend

Severity	Important
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Test ID	21
Title	Statistics page
Instructions	Click on statistics tab
Expected Result	New page is loaded and statistics are seen in the form of a pie chart
Severity	Important

Test ID	22
Title	Statistics update
Instructions	Complete multiple tasks
Expected Result	Statistics should be updated and the update should be reflected on the pie chart.
Severity	Important

Functional Requirement 9

As a user, I would like to see the statistics of my board in the form of a line graph.

Functional Test Cases

Test ID	23
Title	Statistics tab
Instructions	Click on statistics tab
Expected Result	Click is registered and signal sent to the backend
Severity	Important

Test ID	24
Title	Statistics page
Instructions	Click on statistics tab

Expected Result	New page is loaded and statistics are seen in the form of a line graph
Severity	Important

Test ID	25
Title	Statistics update
Instructions	Complete multiple tasks
Expected Result	Statistics should be updated and the update should be reflected on the line graph.
Severity	Important

Functional Requirement 10

As a user, I would like to be able to have the option to see a specific task on my dashboard.

Functional Test Cases

Test ID	26
Title	ClickTask
Instructions	Click on task
Expected Result	Click is registered, and signal sent to backend
Severity	Important

Functional Requirement 11

As a user, I would like to be able to change my password in the event that I forget it.

Functional test cases

Test ID	27
Title	Forget password link
Instructions	Click on "forgot password?"
Expected Result	Click is registered and user is redirected to forget password page
Severity	Critical

Test ID	28
Title	Reset password link
Instructions	Click on link in email
Expected Result	User is redirected to change password page
Severity	Critical

Test ID	29
Title	Change password
Instructions	User clicks on “change password”
Expected Result	Password is changed, and the change is reflected in the database. User can successfully log in now.
Severity	Critical

Equivalence test cases

Test ID	30
Title	Invalid Email
Instructions	Enter an invalid email
Expected Result	User should be notified of entering an invalid email
Severity	Critical

Test ID	31
Title	Valid Email
Instructions	Enter a valid email
Expected Result	User should be sent a link to reset password
Severity	Critical

Boundary test cases

Test ID	32
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Title	Blank change password
Instructions	Click on “change password” while leaving New Password text field blank
Expected Result	Error message thrown to user to enter a password
Severity	Critical

Test ID	33
Title	Long change password
Instructions	Enter more than 20 characters in New password text field
Expected Result	Error message thrown to user to limit password to less than 20 characters
Severity	Important

Functional Requirement 12

As a user, I would like to be able to have the option to logout of my account.

Functional test cases

Test ID	34
Title	Logout button
Instructions	Click on button
Expected Result	Click is registered, and signal sent to backend
Severity	Important

Test ID	35
Title	Logout
Instructions	Click on the logout button
Expected Result	Click is registered, user is redirected to logout/home page and user is successfully logged out.
Severity	Critical

Test ID	36
Title	LogoutHack
Instructions	Click on logout button, open a new tab or refresh the page
Expected Result	User should stay logged out
Severity	Critical

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Functional Requirement 13

As a user, I would like to assign a weight when adding a new task

Test ID	37
Title	AssignWeight
Instructions	Click on the weight field and input a value
Expected Result	When the new task is added the weight should be what the user inputted, and that weight should be stored in the database.
Severity	Important

Test ID	38
Title	AssignInvalidWeight
Instructions	Click on the weight field and input an invalid weight value
Expected Result	When the user tries to add the new task, an error message reads that the weight is invalid
Severity	Important

Functional Requirement 14

As a user, I would like to be able to assign a category as “work” when adding a new task

Test ID	39
Title	AssignCategoryDropDownButton

Instructions	Click on the category button
Expected Result	A dropdown option showing “work, social, health” is shown to the user.
Severity	Important

Test ID	40
Title	AssignCategoryAsWork
Instructions	Click on the “work” option
Expected Result	The “work” option is what should show when the new task is created, and the value should be stored in the database.
Severity	Important

Functional Requirement 15

As a user, I would like to be able to assign a category as “social” when adding a new task

Test ID	41
Title	AssignCategoryAsSocial
Instructions	Click on the “social” option
Expected Result	The “social” option is what should show when the new task is created, and the value should be stored in the database.
Severity	Important

Functional Requirement 16

As a user, I would like to be able to assign a category as “health” when adding a new task

Test ID	42
Title	AssignCategoryAsWork
Instructions	Click on the “health” option
Expected Result	The “health” option is what should show when the new task is created, and the value should be stored

	in the database.
Severity	Important

Functional Requirement 17

As a user, I would like to be able to add comments when adding a new task

Test ID	#43
Title	Add task comments
Instructions	On the create task page, click on comments. Enter a new comment within the proper range of characters.
Expected Result	When the task is added, the user should be able to see the comment, and the comment should be stored in the database.
Severity	Important

Test ID	#44
Title	Comment too long
Instructions	On the create task page, click on comments. Enter a new comment with a high range of characters
Expected Result	The user should not be able to create the new task, and is denied with the message "Your comment is too long!"
Severity	Medium

Functional Requirement 18

As a user, I would like to be able to add a description when adding a new task

Test ID	45
Title	Add Description
Instructions	On the create new task page, add a description with the appropriate amount of characters
Expected Result	When the new task is created, the user should be

	able to see the description, and the description should be stored in the database.
Severity	Important

Test ID	46
Title	AddInvalidDescription
Instructions	On the create new task page, add a description with a high range of characters
Expected Result	The user should not be able to create a new task, and instead should be prompted with a message that says that the description is too long
Severity	medium

Functional Requirement 19

As a user, I would like to see different colors for each of my three categories.

Test ID	47
Title	Task with Work Badge Color
Instructions	Create a new task with the category 'Work'
Expected Result	The task should have a blue badge on it.
Severity	Low

Test ID	#48
Title	Task with Social Badge Color
Instructions	Create a new task with the category 'Social'
Expected Result	The task should have a green badge on it.
Severity	Low

Test ID	#49
Title	Task with Health Badge Color

Instructions	Create a new task with the category 'Health'
Expected Result	The task should have a red badge on it.
Severity	Low

Functional Requirement 20

As a user, I would like to be able to see a badge based on an upcoming deadline.

Test ID	#50
Title	Deadline in 5 Days Badge
Instructions	Create task with a deadline within five days
Expected Result	The task should have a yellow alert badge on it.
Severity	Low

Test ID	#51
Title	Deadline in 1 Day Badge
Instructions	Create task with a deadline within one day
Expected Result	The task should have a red alert badge on it.
Severity	Low

Functional Requirement 21

As a user, I would like to be given the option to change my task to in progress or completed from the task page.

Test ID	#52
Title	Change Progress from To-Do to In Progress from Detail View
Instructions	Change the Progress of a task from To-Do to in-progress
Expected Result	Change should be reflected on the task information
Severity	High

Test ID	#53
Title	Change Progress from In Progress to Completed from Detail View
Instructions	Change the Progress of a task from In Progress to Completed
Expected Result	Change should be reflected on the task information
Severity	High

Functional Requirement 22

As a user, I would like to be able to see the progress of my tasks on my dashboard

Test ID	#54
Title	Dashboard Task with To-Do
Instructions	Have a task with the progress 'To-Do'
Expected Result	The task should be in the 'To-Do' column on the main dashboard
Severity	High

Test ID	#55
Title	Dashboard Task with In-Progress
Instructions	Have a task with the progress 'In-Progress'
Expected Result	The task should be in the in-progress column on the main dashboard
Severity	High

Test ID	#56
Title	Dashboard Task with Completed
Instructions	Have a task with the progress 'Completed'
Expected Result	The task should be in the 'Completed' column on the main dashboard
Severity	High

Functional Requirement 23

As a user, I would like to be able to edit a task on my dashboard

Test ID	#57
Title	Change Task Progress from To-Do to In Progress from Dashboard
Instructions	Change the Progress of a task from To-Do to In Progress on Dashboard
Expected Result	The task should move to the 'In-Progress' column on the main dashboard
Severity	High

Test ID	#58
Title	Change Task Progress from In Progress to Completed from Dashboard
Instructions	Change the Progress of a task from In Progress to Completed on Dashboard
Expected Result	The task should move to the 'Completed' column on the main dashboard
Severity	High

Test ID	#59
Title	Change Task Progress from In Progress to To-Do from Dashboard
Instructions	Change the Progress of a task from In Progress to To-Do on Dashboard
Expected Result	The task should move to the 'To-Do' column on the main dashboard
Severity	High

Functional Requirement 24

As a user, I would like to be able to edit the deadline of my task.

Test ID	#60
Title	Change Deadline of Task
Instructions	Change the deadline of an existing task
Expected Result	The new deadline should be reflected on the task information.
Severity	Medium

Functional Requirement 25

As a user, I would like to be able to edit the category of my task

Functional Test Cases

Test ID	#61
Title	Change Task Category
Instructions	On the edit task page, select a category from the drop down menu.
Expected Result	Card category and color change appropriately.
Severity	Important

Functional Requirement 26

As a user, I would like to be able to edit the comments and description of my task.

Functional Test Cases

Test ID	#62
Title	Change task comments
Instructions	On the edit task page, click edit comments. Enter a new comment within the proper range of characters.
Expected Result	The comment on the task is updated appropriately.
Severity	Important

Test ID	#
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Title	Change task description
Instructions	On the edit task page, click edit description. Enter a new description within the proper range of characters.
Expected Result	The description of the task is updated appropriately.
Severity	Important

Equivalence Test Cases

Test ID	#63
Title	Description too long
Instructions	On the edit task page, click edit description. Enter a new description that is longer than the maximum number of allotted characters.
Expected Result	The update is denied with the message "Your description is too long!"
Severity	Medium

Test ID	#64
Title	Comment too long
Instructions	On the edit task page, click edit comment. Enter a new comment that is longer than the maximum number of allotted characters.
Expected Result	The update is denied with the message "Your comment is too long!"
Severity	Medium

Test ID	#65
Title	Comment too short
Instructions	On the edit task page, click edit comment. Enter a new comment that is shorter than the minimum number of allotted characters.
Expected Result	The update is denied with the message "Your comment is too short!"

Severity	Medium
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Test ID	#66
Title	Description too short
Instructions	On the edit task page, click edit description. Enter a new description that is shorter than the minimum number of allotted characters.
Expected Result	The update is denied with the message "Your description is too short!"
Severity	Medium

Functional Requirement 27

As a user, I would like to be able to edit the weight I had previously assigned a task

Functional Test Cases

Test ID	#67
Title	Change task weight
Instructions	On the edit task page, click edit task weight and enter a new weight greater than 0.
Expected Result	The new card weight should reflect the update.
Severity	Important

Equivalence Test Cases

Test ID	#68
Title	Change task weight to a negative value
Instructions	On the edit task page, click edit task weight and enter a new weight lower than zero
Expected Result	An error is thrown indicating tasks can not have a negative weight.
Severity	Important

Functional Requirement 28

As a user, I would like to see only the latest 12 tasks that I have completed on my board

Functional Test Cases

Test ID	#69
Title	Completed Task Overflow
Instructions	Create twelve tasks and move them to the done section. Create a thirteenth task and move it into the done section.
Expected Result	The least recently completed task should be removed from the done section. The newest completed task should still be present.
Severity	Medium

Functional Requirement 29

As a user, I would like to navigate to a “All completed tasks” page

Functional Test Cases

Test ID	#70
Title	Navigate to Completed Tasks Page
Instructions	Click on the “All Completed Tasks” tab
Expected Result	The user should be navigated to a new page that can display some completed tasks.
Severity	Medium

Functional Requirement 30

As a user, I would like to see all my completed tasks on the “All completed tasks” page

Functional Test Cases

Test ID	#71
Title	See All Completed Tasks
Instructions	Click on the “All completed tasks” tab. Prior to doing this, ensure there more than 12 total tasks have been completed on the account.
Expected Result	The user should be navigated to a page displaying all tasks the user has ever completed, including the twelve on the user dashboard and any additional

	hidden tasks.
Severity	Important

Equivalence Test Cases

Test ID	#72
Title	Check for no Completed Tasks
Instructions	Click on the “All completed tasks” tab. Prior to doing this, ensure there are no completed tasks on the account.
Expected Result	The user should be navigated to a page displaying a message indicating that the user has not yet completed any tasks.
Severity	Important