Team 19: Test Plan   CS 40800

Team members:

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Functional Requirement 1

As a user, I would like to be able to create a TeamUp account.

Functional Test Cases

Test ID	1
Title	Sign up for TeamUp
Instructions	New user clicks on signup and completes signup
Expected Result	User account is added to the database and user is directed to their profile page
Severity	Critical

Equivalence Test Cases

Test ID	2
Title	Invalid email
Instructions	On the signup page, fill in an invalid email address and a valid password
Expected Result	App displays an "Invalid email" error
Severity	Important

Test ID	3
Title	Invalid password
Instructions	On the signup page, fill in the information with a valid email address and an invalid password
Expected Result	App displays an "Invalid password" error
Severity	Important

Boundary Test cases

Test ID	4
Title	Excessive password length
Instructions	On the signup page, fill in the information with a valid email address and a password with excessive length.
Expected Result	App displays an "Invalid password" error specifying excessive password length.
Severity	Workaround

Test ID	5
Title	Excessive email length
Instructions	On the signup page, fill in the information with an email address with excessive length and a valid password.
Expected Result	App displays an "Invalid email" error specifying excessive email length.
Severity	Workaround

Test ID	6
Title	Backend invalid email
Instructions	Send a registration request to the server with

	an invalid email address
Expected Result	Server will return a 400 status code
Severity	Workaround

Functional Requirement 2

As a user, I would like to login to my TeamUp profile.

Functional Test Cases

Test ID	7
Title	Login
Instructions	On the login page, enter an email and password combination of a user in the database and attempt to log in
Expected Result	User is logged in and redirected to their profile page
Severity	Critical

Equivalence Test Cases

Test ID	8
Title	Invalid email
Instructions	On the login page, enter an email address that does not correspond to a user in the database along with a valid password and attempt to log in
Expected Result	App displays an "Invalid email" error
Severity	Important

Test ID	9
Title	Invalid password
Instructions	On the login page, enter an email address that corresponds to a user in the database

	along with a valid password that is not that user's password and attempt to log in
Expected Result	App displays an "Invalid password" error
Severity	Important

Boundary Test cases

Test ID	10
Title	Empty email
Instructions	On the login page, enter a valid password while leaving the email field blank and attempt to log in
Expected Result	App displays an "Invalid email" error
Severity	Important

Test ID	11
Title	Empty password
Instructions	On the login page, enter an email address associated with a user in the database while leaving the password field blank and attempt to log in
Expected Result	App displays an "Invalid password" error
Severity	Important

Functional Requirement 3

As a user, I would like to edit my TeamUp profile.

Functional Test Cases

Test ID	12
Title	View profile
Instructions	Click on my profile item in menu

Expected Result	Profile page appears displaying profile details
Severity	Critical

Test ID	13
Title	Profile is editable
Instructions	Click on edit profile on the profile page
Expected Result	Fields on profile page become editable
Severity	Important

Test ID	14
Title	Submit profile edits
Instructions	After making changes to profile, click the save button
Expected Result	Database is updated with current profile information
Severity	Important

Boundary Test cases

Test ID	15
Title	Too long name (>70 characters)
Instructions	While making changes to profile, enter a long string of >70 characters in the Name field and click Save
Expected Result	App will display an error and changes will not be submitted
Severity	Workaround

Test ID	16
Title	Blank name

Instructions	While making changes to profile, remove all text from the Name field and click Save
Expected Result	App will display an error and changes will not be submitted
Severity	Workaround

Functional Requirement 4

As a user, I would like to create a new Team.

Functional Test Cases

Test ID	17
Title	Create new team page
Instructions	Signed in user clicks create new team
Expected Result	User is taken to create new team page
Severity	Critical

Test ID	18
Title	Create new team
Instructions	On the create new team page, fill out the team name relevant information and hit create
Expected Result	Team page appears with information about that specific team. Team with information is added to database
Severity	Critical

Equivalence Test Cases

Test ID	19
Title	Team without team name
Instructions	On the create team page, leave the team

	name blank and click create
Expected Result	Website displays "display name empty" error
Severity	Important

Test ID	20
Title	Creating a team with blank required information
Instructions	On the create new team page, do not fill out one or more of the required fields and attempt to confirm creation.
Expected Result	An error will display specifying the fields that must be filled out.
Severity	Important

Test ID	21
Title	Team name too long (> 70 characters)
Instructions	On the create team page, enter a team name that is longer than 70 characters and hit create
Expected Result	Website displays a "failed to create team" error
Severity	Workaround

Boundary Test cases

Test ID	22
Title	Create duplicate team
Instructions	On the create team page, enter the same team name as a previously created team
Expected Result	App displays a " team is already taken" error

Severity	Important

Functional Requirement 5

As a user, I would like to remove a Team.

Functional Test Cases

Test ID	23
Title	Remove a team
Instructions	On the page listing the teams that you are a part of, select the "Remove Team" option next to the team you wish to leave.
Expected Result	You will be removed from the team, and will no longer be listed as part of it, nor will it show up in your list of teams.
Severity	Important

Boundary Test cases

Test ID	24
Title	Remove an invalid team
Instructions	Send an authenticated request to the server requesting to remove a team that does not exist in the database
Expected Result	The server will return a 404 status code
Severity	Workaround

Test ID	25
Title	Remove a team that was not joined
Instructions	Send an authenticated request to the server requesting to remove a team that the user is

	not part of
Expected Result	The server will return a 400 status code
Severity	Workaround

Functional Requirement 6

As a user, I would like to see a list of all available Teams.

Functional Test Cases

Test ID	26
Title	View teams
Instructions	Click on " find teams" from the home page
Expected Result	User is taken to a new page with a list of available teams to join
Severity	Critical

Boundary Test cases

Test ID	27
Title	No available teams
Instructions	Click on find teams from the home page but there are no available teams at the time
Expected Result	User is taken to a teams page that says "no available teams at this time
Severity	Workaround

Functional Requirement 7

As a user, I would like to be able to filter the list of Teams.

Functional Test Cases

Test ID	28

Title	Filter Team
Instructions	Click on the filter button
Expected Result	Filter options are displayed
Severity	Critical

Equivalence Test Cases

Test ID	29
Title	Filtered list of teams
Instructions	Click on save filter button
Expected Result	Team list shows teams with the selected filter(s)
Severity	Important

Functional Requirement 8

As a user, I would like to see a detailed view of the users currently in a Team when I click on it.

Functional Test Cases

Test ID	30
Title	Open detailed user view
Instructions	On the list of team members section on a Team page, select the detailed view button.
Expected Result	The page will expand to show more detailed information about the team members.
Severity	Critical

Functional Requirement 9

As a user, I would like to view other users' profiles.

Functional Test Cases

Test ID	31

Title	Other user's profile
Instructions	As a logged in user, click on another user's username to view their profile
Expected Result	User will be redirected to the other user's profile. The edit button will not be visible.
Severity	Important

Boundary Test cases

Test ID	32
Title	Invalid user profile
Instructions	Send a request to the server attempting to access the profile of a user that is not in the database
Expected Result	The server will return a 404 status code
Severity	Important

Functional Requirement 10

As a user, I would like to attach documents to a Team.

Functional Test Cases

Test ID	33
Title	Uploading file
Instructions	Select file to upload and click 'upload'
Expected Result	The file is uploaded and a link is sent to the group's chat window.
Severity	Important

Boundary Test cases

Test ID	34

Title	Duplicate file name
Instructions	Having already uploaded a file, attempt to upload another file with the same name to the same group.
Expected Result	The file is successfully uploaded and renamed by the server. A link to the new file appears in the chat screen.
Severity	Important

Functional Requirement 11

As a user, I would like to remove documents from a Team.

Functional Test Cases

Test ID	35
Title	Delete document by uploader
Instructions	As the user who uploaded a document, select the document in the chat window and select 'delete'
Expected Result	The document is removed from the chat window and the database.
Severity	Important

Test ID	36
Title	Delete document by group owner
Instructions	As the owner of a group, select a document uploaded by another user in your group's chat window and select 'delete'
Expected Result	The document is removed from the chat window and the database.
Severity	Important

Boundary Test cases

Test ID	37
Title	Attempted delete by other user
Instructions	Send a request to the backend (authenticated as a user who is part of a group but not its owner) to delete a document uploaded by another user in the group'
Expected Result	The server will return a 403 status code
Severity	Critical

Functional Requirement 12

As a user, I would like to download documents to view them.

Functional Test Cases

Test ID	38
Title	Download by user in group
Instructions	As a user in a group, click the link in a group's chat window to download a document
Expected Result	The document is downloaded by the browser
Severity	Important

Boundary Test cases

Test ID	39
Title	Attempted download by other user
Instructions	Send an authenticated request to the server requesting to download a file posted to a group that the user is not a part of
Expected Result	The server will return a 403 status code

Severity	Critical

Functional Requirement 13

As a user, I would like to add other users before posting the team.

Functional Test Cases

Test ID	40
Title	Successfully invite other users before posting
Instructions	While creating the team, select 'add user'
Expected Result	The user that you just tried to add will receive an invite
Severity	Important

Test ID	41
Title	Other user accepts invite
Instructions	After receiving invite, the invited user selects 'accept'
Expected Result	Team member status changes from pending to accepted.
Severity	Important

Test ID	42
Title	Other user declines invite
Instructions	After receiving invite, the invited user selects 'decline'
Expected Result	Team member status changes from pending to declined. They are removed from the group and the number of open group slots is incremented by 1.
Severity	Important

Boundary Test Cases

Test ID	43
Title	Invalid email
Instructions	Enter invalid email
Expected Result	App displays an "Invalid email" error
Severity	Workaround

Functional Requirement 14

As a user, I would like to edit a Team post.

Functional Test Cases

Test ID	43
Title	View team
Instructions	Click on "view team" from users teams
Expected Result	User is taken to specific team page
Severity	Critical

Test ID	44
Title	Edit team mode
Instructions	An owner or authorized member of the team clicks on "edit team" button on a specific team page
Expected Result	The fields containing information about the team become editable
Severity	Important

Test ID	45
Title	Submit changes to team

Instructions	As an owner or authorized member of a team, click the edit team button, make changes and click the save button
Expected Result	The database will be updated with current information about the team.
Severity	Important

Equivalence Test Cases

Test ID	46
Title	User does not change any team information in edit mode
Instructions	When editing an existing team click update without changing any information
Expected Result	Site displays message saying nothing has changed
Severity	Workaround

Boundary Test cases

Test ID	47
Title	Invalid change to team
Instructions	Edit a team to have invalid information and click update
Expected Result	Site displays "invalid change to team" error
Severity	Important

Test ID	48
Title	Attempted edit by unauthorized user of team
Instructions	Send a request to the backend (authenticated as a user who is part of a group but not its owner) to edit team information

Expected Result	The server will return a 403 status code
Severity	Critical

Functional Requirement 15

As a user, I would like to be able to have notes on a Team post.

Functional Test Cases

Test ID	49
Title	Add note
Instructions	Click on add note
Expected Result	Editable textbox appears to add notes
Severity	Important

Test ID	50
Title	Saving note
Instructions	After entering text into the note textbox, select the add button
Expected Result	The note appears on the Team post
Severity	Important

Boundary Test cases

Test ID	51
Title	Empty note text
Instructions	As the owner of a team, click the new note button on your team's page and click add without entering any text in the textbox
Expected Result	The note will not be added and the app will show an error message.
Severity	Workaround

Functional Requirement 16

As a user, I would like to logout of TeamUp.

Functional Test Cases

Test ID	52
Title	Logout of TeamUp
Instructions	On any page, select the Log Out button.
Expected Result	The user will be logged out, and any attempts to access the website that require a logged in user will be met with a log in prompt.
Severity	Critical

Boundary Test cases

Test ID	53
Title	Log out after already logging out
Instructions	On two pages while logged in, select the Log Out button on one. Then select the Log Out button on the other.
Expected Result	The first logout attempt will be successful. On the second attempt, the app will show an error message.
Severity	Workaround

Functional Requirement 17

As a user, I would like to be able to chat with other users.

Functional Test Cases

Test ID	54
Title	View chat history

Instructions	As a logged in user, visit the page of a group you are part of which has at least one chat message posted and not deleted
Expected Result	The page will contain a chat window with all previous chat messages
Severity	Critical

Test ID	55
Title	Send chat (database)
Instructions	As a logged in user, visit the page of a group you are part of. In the chat window, type a message and click send. Then refresh the page or open it in a different window.
Expected Result	The page will contain a chat window with all previous chat messages including the one that was just sent.
Severity	Critical

Test ID	56
Title	Send chat (realtime)
Instructions	Visit the page of a group in two different windows. In one window, type a message in the chat box and click send.
Expected Result	Both chat windows will be updated with the new message without the need to refresh.
Severity	Important

Boundary Test cases

Test ID	57
Title	Chat message is empty
Instructions	In a group's chat window, click the send

	button without typing a message.
Expected Result	The message will not be sent. The app will display an error message.
Severity	Workaround

Test ID	58
Title	Excessive chat message length
Instructions	In a group's chat window, type an excessively long message and click send.
Expected Result	The message will not be sent. The app will display an error message. The message box's contents will not be removed (for ease of copy-pasting)
Severity	Important

Functional Requirement 18

As a user, I would like to leave reviews for other users.

Functional Test Cases

Test ID	59
Title	Add Review
Instructions	Click on add review on a user's profile
Expected Result	UI to add review is displayed
Severity	Important

Equivalence Test Cases

Test ID	60
Title	Submit Review
Instructions	Click on submit review

Expected Result	The review is displayed on the user's profile
Severity	Important

Boundary Test cases

Test ID	61
Title	Empty Review
Instructions	Leave the review field blank
Expected Result	Submit button is disabled
Severity	Workaround

Functional Requirement 19
As a user, I would like to assign tags to a Team.

Functional Test Cases

Test ID	63
Title	Remove tag from a team
Instructions	While on the team page of a team you own, select 'remove tag' and select the tag you would like to remove.
Expected Result	The tag will be removed from that Team and any searches for that tag will no longer bring up this Team.
Severity	Important

Equivalence Test Cases

Test ID	62
Title	Add tag to a team
Instructions	While on team page, select 'add tag'. Find the tag you would like to add and select 'add'

Expected Result	The tag will be added to that Team. Any searches for that tag will result in this Team being shown.
Severity	Important

Boundary Test cases

Test ID	64
Title	Remove tag not associated with team
Instructions	Open a team page as the team owner in two different windows. Attempt to remove the same tag from the team in each window.
Expected Result	The first removal will be successful. On the second attempt, the app will display an error.
Severity	Workaround

Functional Requirement 20

As a user, I would like to be notified each time someone requests to join or joins my team.

Functional Test Cases

Test ID	65
Title	Receive a join notification
Instructions	Have a user join an open team that you are the creator of.
Expected Result	You will receive a notification that the user joined your team.
Severity	Workaround

Test ID	66
Title	Receive a join request notification

Instructions	Have a user request to join a team that you are the creator of.
Expected Result	You will receive a notification that a user requested to join, with instructions on how to accept/deny the request.
Severity	Workaround

Functional Requirement 21

As a user, I would like to be notified when my team is full.

Functional Test Cases

Test ID	67
Title	Fill up a team.
Instructions	Have a user join a team, such that it is then full.
Expected Result	The team leader should receive a notification that their team is full. Any attempts to join the team will be met with an error that the team is full.
Severity	Workaround

Functional Requirement 22

As a user, I would like to decide whether my Team is open or restricted.

Functional Test Cases

Test ID	68
Title	Set status on creation.
Instructions	When creating a team, specify if the team is open or restricted.
Expected Result	The team information will display itself as open or restricted once viewed after creation.

Severity	Critical

Test ID	69
Title	Set status after creation.
Instructions	In the settings for the team you wish to change the status of, select which status you want to change it to.
Expected Result	The team's status will be changed to the new setting.
Severity	Important

Functional Requirement 23

As a user, I would like to see a list of all skills currently possessed by team members.

Functional Test Cases

Test ID	70
Title	View all skills
Instructions	Select skills button from a specific team page
Expected Result	Displays page with all the skills in the team
Severity	Important

Functional Requirement 24

As a user, I would like to leave a Team.

Functional Test Cases

Test ID	71
Title	Leave a team
Instructions	Navigate to the team you wish to leave from

	the list of teams you are a part of, and select the Leave Team button. Confirm that you want to leave.
Expected Result	The team will be removed from your list of teams, the team will no longer display you as a member, and the owner will be notified that you left.
Severity	Important

Boundary Test cases

Test ID	72
Title	Leave an already left team
Instructions	Navigate to the team you wish to leave on two pages, and select the Leave Team button, confirming both sequentially.
Expected Result	The second attempt will display an error that you have already left that team, or that you are not a part of it.
Severity	Workaround

Functional Requirement 25

As a user, I would like to assign skill preferences for my created Team.

Functional Test Cases

Test ID	73
Title	Add a skill preference for my team
Instructions	As a Team leader, select 'add skill preference' from the Team page. Type the skill you would like to have and select 'add skill'
Expected Result	When viewing Team details, the newly added skill should in the preferences list.

Severity	Important

Equivalence Test Cases

Test ID	74
Title	Remove a skill preference for my team
Instructions	As a Team leader, select 'remove skill preference' and select the skill you would like to remove.
Expected Result	When viewing Team details, this skill should no longer be in the preferences list
Severity	Workaround

Test ID	75
Title	Search by skill preference
Instructions	Type a skill in the search bar and select 'search'.
Expected Result	This Team should show up in the results list.
Severity	Important

Functional Requirement 26

As a user, I would like to be able to kick users from my Team.

Functional Test Cases

Test ID	76
Title	Kick user from team
Instructions	From the team page select button to remove a user from a team
Expected Result	Selected user is removed from the team after confirmation
Severity	Important

Boundary Test cases

Test ID	77
Title	Kick yourself from the team
Instructions	From the team page select button to remove yourself from the team
Expected Result	Site gives a "you cannot kick yourself" error
Severity	Important

Test ID	78
Title	Attempted kick by unauthorized user
Instructions	Send a request to the backend (authenticated as a user who is part of a group but not its owner) to remove a user from the group'
Expected Result	The server will return a 403 status code
Severity	Critical

Functional Requirement 27

As a user, I would like to invite other users to join my Team.

Functional Test Cases

Test ID	79
Title	Invite user from the Team page.
Instructions	While at the Team page, select 'add user'. Search user by either name or email address. Select 'invite'
Expected Result	Invited user should receive a notification that they have been invited. Member status should be set to 'pending' in Team.
Severity	Critical

Boundary Test cases

Test ID	80
Title	Invite user from their profile page
Instructions	Select 'invite user to Team'. Select a Team from the list of Teams you are currently in and select 'invite user'.
Expected Result	Invited user should receive a notification that they have been invited. Member status should be set to 'pending' in Team.
Severity	Critical

Functional Requirement 28

As a user, I would like to block other users.

Functional Test Cases

Test ID	81
Title	Block a user
Instructions	Navigate to the profile of the user you wish to block, and select the block button.
Expected Result	The user will be shown as blocked, and will no longer show up in search results. Attempts for the blocked user to communicate with you will be met with an error displaying that the they were blocked.
Severity	Workaround

Boundary Test cases

Test ID	82
Title	Block an already blocked user.
Instructions	Navigate to the profile of the user you wish to block, and then open another page,

	navigating to the same place. Block the user on one page, and then attempt to do so again.
Expected Result	An error will display, telling that the user has already been blocked.
Severity	Workaround

Functional Requirement 29

As a user, I would like to search for teams in a certain class.

Functional Test Cases

Test ID	83
Title	Filter by class
Instructions	On the team search page, select the class filter, and input the class you would like to search for teams for.
Expected Result	A list of teams is shown for the specified class.
Severity	Important

Equivalence Test Cases

Test ID	84
Title	Filter by invalid class
Instructions	On the team search page, select the class filter, and input a class that does not exist.
Expected Result	The search page will not display any results.
Severity	Workaround

Boundary Test cases

Test ID	85

Title	Filter by blank class
Instructions	On the team search page, select the class filter, and do not input any class.
Expected Result	An error will display specifying that you must input a class.
Severity	Workaround

Functional Requirement 30

As a user, I would like to join or request to join a team.

Functional Test Cases

Test ID	86
Title	Send join request
Instructions	On the list of teams, select a team that is not marked as open, and select the "request to join" button.
Expected Result	A notification will be sent to the team owner that you requested to join, as well as the status of your request being shown as pending.
Severity	Critical

Test ID	87
Title	Directly join team
Instructions	On the list of teams, select a team that is marked as open, and select the "join team" button.
Expected Result	A notification will be sent to the team owner that you joined, as well as the team showing you as a member and the team showing up in your list of teams.
Severity	Critical

Boundary Test cases

Test ID	88
Title	Attempt to join a full team (frontend)
Instructions	Locate a team that is not full in the list of teams. On a different system or browser, join the team as one or more different users so that the team becomes full. Then, attempt to join the team in the original window.
Expected Result	The app will display an error message
Severity	Critical

Test ID	89
Title	Attempt to join a full team (backend)
Instructions	Send an authenticated request to the server requesting to join a team that exists and is full
Expected Result	The server will return a 403 status code
Severity	Critical