Test No.	Page	Use Case	Expected	Actual	Pass/Fail
1	app/page.tsx	Click Login/Signup	Takes you to Login or Sign up Page	Takes you to Login or Sign up Page	☑
2	app/page.tsx	Footer appears on bottom, top navbar appears	Footer appears on bottom, top navbar appears	Footer appears on bottom, top navbar appears	☑
3	app/auth/login/page.tsx	User clicks log in with Google	user signs in through google process - if no account yet, they're prompted to make one. They are directed to the next page; either to verify their identity or their dashboard.	user signs in through google process - if no account yet, they're prompted to make one. They are directed to the next page; either to verify their identity or their dashboard.	☑
4	app/auth/login/page.tsx	User provides email and password correctly	user signs in, then they are directed to the next page; either to verify their identity or their dashboard if they already have.	user signs in, then they are directed to the next page; either to verify their identity or their dashboard if they already have.	☑
5	app/auth/login/page.tsx	User provides email and password incorrectly or does not have an account	Firebase: Error (auth/invalid-credential).	Firebase: Error (auth/invalid-credential).	☑
6	app/auth/signup/page.tsx	User signs in with Google	User Signs in through google process - if already has account, logs in	User Signs in through google process - if already has account, logs in	☑
7	app/auth/signup/page.tsx	Passwords don't match when signing up	You are unable to sign up and are told the passwords don't match	You are unable to sign up and are told the passwords don't match	☑
8	app/auth/signup/page.tsx	User creates an account	Told to check email in order to verify your identity	Told to check email in order to verify your identity	☑
9	app/communities/page.tsx	Clicking any button	Takes you to the corresponding page	Takes you to the corresponding page	☑
10	app/communities/[id]/page.tsx	Clicking the Like/Dislike button on a post	Likes/Dislikes the post	Likes/Dislikes the post	☑
11	app/communities/[id]/page.tsx	Filter posts by category	Only shows posts from the selected category	Only shows posts from the selected category	☑
12	app/communities/[id]/page.tsx	Sorting Posts by most recent, popular, or trending	Sorts all posts with the associated selection	Sorts all posts with the associated selection	☑

13	app/communities/[id]/page.tsx	Click "View Details" or the comment button	Takes you to the full post	Takes you to the full post	✅
14	app/communities/[id]/users/page.tsx	Search for specific members of a commuinity	As you type each character of the member's name, the shown members reduces based on the search	As you type each character of the member's name, the shown members reduces based on the search	✅
15	app/communities/[id]/users/page.tsx	Click a member's profile	Takes you to their profile page	Takes you to their profile page	✅
16	app/communities/[id]/users/[userId]/page.tsx	Clicking "View all Posts"	Takes you back to the community page	Takes you back to the community page	✅
17	app/communities/[communityId]/posts/[postId]/page.tsx	Adding a comment	Comment is shown under original post	Comment is shown under original post	✅
18	app/communities/[communityId]/posts/[postId]/page.tsx	Clicking the Like/Dislike button on a comment under a post	Likes/Dislikes the comment	Likes/Dislikes the comment	✅
19	app/communities/[communityId]/posts/[postId]/page.tsx	Cicking show or hide reply	Shows/Hides replies on a comment	Shows/Hides replies on a comment	✅
20	app/communities/[communityId]/posts/[postId]/page.tsx	Clicking the reply button under a comment or another reply	Allows you to reply to a comment by commenting under a comment	Allows you to reply to a comment by commenting under a comment	✅
21	app/communities/[communityId]/posts/[postId]/page.tsx	Clicking the 3 dots in the top-right corner of a post or comment and clicking delete post	Deletes the post/comment	Deletes the post/comment	✅
22	app/communities/browse/page.tsx	Search for specific commuinities	Narrows down the search by name and zipcode	Narrows down the search by name and zipcode	✅
23	app/communities/browse/page.tsx	Sorting communities with dropdown menu	Sorts communities alphabetically, community size, or location	Sorts communities alphabetically, community size, or location	✅
24	app/communities/apply/[id]/page.tsx	Submitting an application to join a new community	Told the submission is successful and redirected	Told the submission is successful and redirected	✅
25	app/communities/apply/[id]/page.tsx	Adding a file for proof of residence	Gets added to application seamlessly	Gets added to application seamlessly	✅

26	app/communities/apply/[id]/page.tsx	Inputting an incorrect zip code for address information	Get prompted with a message saying the zip code is not in the community and lists common zip codes in the area	Get prompted with a message saying the zip code is not in the community and lists common zip codes in the area	✅
27	app/communities/apply/[id]/page.tsx	Submitting application with blank information	Prompted to fill in blank information	Prompted to fill in blank information	✅
28	app/communities/[id]/new-post/page.tsx	Attempt to create a post without neccessary information	you can't...	you can't...	✅
29	app/communities/[id]/new-post/page.tsx	User can select the community they are in and post there, the dropdown already shows the last selected communty.	Joined communities are shown in dropdown, works properly after posting, and auto selected is the community that user was most recently on.	Joined communities are shown in dropdown, works properly after posting, and auto selected is the community that user was most recently on.	✅
30	app/communities/[id]/new-post/page.tsx	Creating a post with a title, content, selected category, optional location and any files.	Post gets created and you are redirected to the posts page	Post gets created and you are redirected to the posts page	✅
31	app/communities/access-denied/page.tsx	Clicking any button	Takes you to the relevant page	Takes you to the relevant page	✅
32	app/communities/access-denied/page.tsx	Attempting to access a comunity that doesn't exist or you have no access to through the URL	Takes you to the Acess Denied Page	Takes you to the Acess Denied Page	✅
33	app/dashboard/page.tsx	Clicking any button	Takes you to the corresponding page	Takes you to the corresponding page	✅
34	app/legal/page.tsx	Clicking any button	Shows you the associated legal information	Shows you the associated legal information	✅
35	app/myprofile/page.tsx	Atempt to change name or email	you can't...	you can't...	✅
36	app/myprofile/page.tsx	Changing Photo	Changes photo and updates across wbsite	Changes photo and updates across wbsite	✅
37	app/myprofile/page.tsx	Changing Bio	Changes bio and updates across wbsite	Changes bio and updates across wbsite	✅
38	app/notifications/page.tsx	Click "View Post" under a notification	Brings you to the associated post	Brings you to the associated post	✅

39	app/notifications/page.tsx	Click "Mark as Read" on a notification	Blue outline is removed from notification	Blue outline is removed from notification	✅
40	app/notifications/page.tsx	Click "Mark All as Read"	Blue outline is removed from all notifications	Blue Outline is removed from all notifications	✅
41	app/notifications/page.tsx	Click "Delete All"	prompted to make sure you want to delete ALL notifications	prompted to make sure you want to delete ALL notifications	✅
42	app/notifications/page.tsx	Click "Delete All" again after being prompted to make sure it wasn't a misclick	All Notifications are deleted	All Notifications are deleted	✅
43	app/notifications/page.tsx	Clicking the 3 dots in the top-right corner of a notification	Prompts you to do View associated post, to Mark a notification as read, or to delete the notification	Prompts you to do View associated post, to Mark a notification as read, or to delete the notification	✅
44	app/notifications/page.tsx	Click "Mark as Unread" on a notification that was previusly marked as read	Blue outline is returned to the notification	Blue outline is returned to the notification	✅
45	app/notifications/page.tsx	Access the notification page with no notifications present	You are unable to do any of the previously mentioned features as there are no notifications	You are unable to do any of the previously mentioned features as there are no notifications	✅
46	app/search/page.tsx	User wants to search in a community	User selects community in dropdown, and searches. They get posts and users that match the lookup.	User selects community in dropdown, and searches. They get posts and users that match the lookup.	✅
47	app/search/page.tsx	User is automatically in the community they were more recently on.	Dropdown selects most recent community	Dropdown selects most recent community	✅
48	app/search/page.tsx	User searches and gets regex matching dropdown	Regex should appear after about a second of not typing, and should show all posts or members in that community that match.	Regex should appear after about a second of not typing, and should show all posts or members in that community that match.	✅
49	app/search/page.tsx	User wants to filter searches	clicking posts or users will filter the items that have appeared from the search.	clicking posts or users will filter the items that have appeared from the search.	✅
50	app/settings/page.tsx	User can select the community a view that communities preferences.	Preferences for settings and such change with the change of the community in the dropdown.	Preferences for settings and such change with the change of the community in the dropdown.	✅
51	app/settings/page.tsx	User Wants to change a prefercnce.	The bar switches, the save button is clicked, and upon refreshing the page the preference is saved.	The bar switches, the save button is clicked, and upon refreshing the page the preference is saved.	✅

52	app/settings/page.tsx	User wants to see their info or logout.	Logout button works, and account details are shown. Legal links are visible and work.	Logout button works, and account details are shown. Legal links are visible and work.	✅
53	app/admin/page.etx	User is not an admin user but attempts to go to this page using the link.	Redirected to dashboard	Redirected to dashboard	✅
54	app/admin/page.etx	User clicks buttons on the top dashboard, or buttons on page to go to different pages on admin.	All buttons work and direct to correct place	All buttons work and direct to correct place	✅
55	app/admin/database/page.tsx	User wants to see all data in database	All buttons for all 9 data types are there, they work, and all the data is formatted well.	All buttons for all 9 data types are there, and all the data is formatted well.	✅
56	app/admin/communities/create/page.tsx	The admin user would like to create a community for a new Town Hall client.	Page works, create community button works, and populates database correctly.	Page works, create community button works, and populates database correctly.	✅
57	app/admin/communities/manage/page.tsx	The admin user would like to see the roles for a given community.	Dropdown works and shows roles for community.	Dropdown works and shows roles for community.	✅
58	app/admin/communities/manage/page.tsx	The admin can see all details about all the roles, can create a role, edit, or delete a role.	The add role button works, and populates the roles. All fields are there. Each role is visible with each attribute of the role. The roles can be edited or deleted.	The add role button works, and populates the roles. All fields are there. Each role is visible with each attribute of the role. The roles can be edited or deleted.	✅
59	components/community/comment-action-dropdown.tsx	The user shall be able to click the dropdown and be able to delete their comment	The dropdown appears as you click the 3 dots. The comment, & all the replies that are children of it, are deleted, the page reloads, & the comment number is updated.	The dropdown appears as you click the 3 dots. The comment, & all the replies that are children of it, are deleted, the page reloads, & the comment number is updated.	✅
60	components/community/post-action-dropdown.tsx	The user should be able to click the drop-down and see all of the options that are available to them given their permissions of their given role if any. The user shall	The user sees all of the options correctly.	The user sees all of the options correctly.	✅
61	components/community/post-action-dropdown.tsx	The user can click the option and the desired outcome is done.	Each and every single option in the drop-down is tested for functionality, including pinning, archiving, viewing the post deleting the post.	Each and every single option in the drop-down is tested for functionality, including pinning, archiving, viewing the post deleting the post.	✅
62	components/community/post-card.tsx	The user shall see a postcard and it shall look nice with the photos with the title with the role with the location and will size correctly as the width of the	All desired features of the postcard as specified work correctly	All desired features of the postcard as specified work correctly	✅
63	components/notification/notification-action-dropdown.tsx	The user shall be able to interact with their notifications as they wish being able to view the post, read the notification or delete notification	All features in the drop-down work as expected are displayed as expected, and additionally updated database as expected.	All features in the drop-down work as expected are displayed as expected, and additionally updated database as expected.	✅
64	components/notification/notification-card.tsx	The user shall see a notification card and it shall look nice with the title, user, etc. The card sizes and appears correctly.	All desired features of the card as specified work correctly.	All desired features of the card as specified work correctly.	✅

65	components/theme/theme-provider.tsx	The user of use everything and either dark or light mode and everything looks correct.	all components of their dark and light mode and respond correctly when toggled. The colors contrast well, and all the words are legible.	all components of their dark and light mode and respond correctly when toggled. The colors contrast well, and all the words are legible.	✅
66	components/theme/theme-toggle.tsx	The user may toggle the theme on any page.	All components update when the theme is toggled and the theme toggle button appears on other pages either on the top navigation bar or on the side navigation bar.	All components update when the theme is toggled and the theme toggle button appears on other pages either on the top navigation bar or on the side navigation bar.	✅
67	components/ui/main-navbar.tsx	The user may interact with the main navigation bar on the left side and all of the buttons on their work correctly and the bar is formatted well.	On mobile view and computer view and everything in between the bar sizes correctly and in the mobile view, it is hidden completely and is able to be accessed with the special button that appears on the top right. Every single button appears correctly, and if the screen is too short, you may scroll on the side bar. Every single button also works correctly and directs you to the correct page.	On mobile view and computer view and everything in between the bar sizes correctly and in the mobile view, it is hidden completely and is able to be accessed with the special button that appears on the top right. Every single button appears correctly, and if the screen is too short, you may scroll on the side bar. Every single button also works correctly and directs you to the correct page.	✅
68	components/ui/button.tsx	The user may see hover and click on buttons, and they are very responsive.	Buttons work. They look nice and they have their different styling types. When they appear on pages, they look uniform and match with one another.	Buttons work. They look nice and they have their different styling types. When they appear on pages, they look uniform and match with one another.	✅
69	components/ui/unauthenticated-header.tsx	The user will see the header on the screen in which they are logged in, but not yet verified.	They see the log out button on the top and the header size is correctly. The button works.	They see the log out button on the top and the header size is correctly. The button works.	✅
70	components/ui/admin-navbar.tsx	The navigation bar on the admin page can be used by the user, and has all of the necessary buttons as well as the theme toggle and the logo.	All buttons on the admin navigation bar work, take you to the correct page, and are styled well.	All buttons on the admin navigation bar work, take you to the correct page, and are styled well.	✅
71	functions/src/index.ts (verifyOCR functions)	The user may authenticate themselves after the initial sign up face, and may also authenticate their residence or belonging to the given community with the document.	These functions correctly, but of course, in a real world situation we would not want to use a function like this. I want to actually check the database of the given community or government database for the ability of that in individuals identity. For the sake of this demonstration and this class project, we are simply returning true as of now. However, we also had an OpenCV implantation that did work by finding keywords on the document.	These functions correctly, but of course, in a real world situation we would not want to use a function like this. I want to actually check the database of the given community or government database for the ability of that in individuals identity. For the sake of this demonstration and this class project, we are simply returning true as of now. However, we also had an OpenCV implantation that did work by finding keywords on the document.	✅