



Project Test Plan

Team 20

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Functionality Test Cases

1. Splash Page

ID	Title	Severity Level	Instructions	Expected Result
Splash 001	Sign Up Button	S1	Click on Sign Up button on the splash page	The next screen should be the sign up page allowing a user to sign up with the relevant fields and buttons
Splash 002	Login Button	S1	Click on the login button on the splash page	The next screen should be the login page allowing an existing user to log in to their account with the relevant fields and buttons

2. Sign Up Page

ID	Title	Severity Level	Instructions	Expected Result
SignUp001	SignUp Success	S1	Fill all fields - display name, password, repeat password, email and click submit button	If all the entered information is correct and an account associated with the entered email doesn't already exist, the next screen should be the public page of the user's account.
SignUp002	Sign Up - one empty field	S1	Fill all but one field and click submit button. Repeat for all fields.	The user will be prompted to fill the remaining field before submitting.
SignUp003	Sign Up - 2 empty fields	S2	Fill all but 2 fields and click submit button. Repeat for all fields.	The user will be prompted to fill the remaining fields before submitting.
SignUp004	Sign Up - 3 empty fields	S2	Fill all but 3 fields and click submit button. Repeat for all fields.	The user will be prompted to fill the remaining fields before submitting.
SignUp	Sign Up	S2	Submit without filling any fields	The user will be prompted

p005	- 4 empty fields			to fill the remaining fields before submitting.
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3. Log In Page

ID	Title	Severity Level	Instructions	Expected Result
Login001	Login Success	S1	Fill all fields - email and password and click login button	If all the entered information is correct and the account exists associated with the entered email and password, the next screen should be the public page of the user's account.
Login002	Login - 1 empty field	S1	Fill all but one field and click login button. Repeat for all fields.	The user will be prompted to fill the remaining field before submitting.
Login003	Login - 2 empty fields	S2	Click Log In button without entering any information in the fields.	The user will be prompted to fill the required fields before logging in.
Login004	Forgot Password Success	S2	Enter email and click the forgot password button	If the email is a registered email, a prompt saying that recovery email has been sent will appear and a password recovery link will be sent to the entered email.
Login005	Forgot Password Failure	S2	Leave all fields blank and click the forgot password button	The user will be prompted to enter the email before clicking forgot password.

4. Public Page

ID	Title	Severity Level	Instructions	Expected Result
Public001	Public Theme Filter	S2	Click on the filter button, select theme and enter/select the theme	The polls listed on the public page would only be from the entered theme

				and a clear filter button would appear
Public 002	Public Voted Filter	S2	Click on the filter button, select "voted"	The polls listed on the public page would only be the ones that the user has voted on and a clear filter button would appear
Public 003	Public Unvoted Filter	S2	Click on the filter button, select "unvoted"	The polls listed on the public page would only be the ones that the user has not yet voted on and a clear filter button would appear
Public 004	Public Clear Filter	S3	If a filter is set, click on the clear filter button	The polls listed should go back to their original state without any filters.
Public 005	Public Sort Old to New	S2	Click on the sort button and select old to new	The polls listed on the public page would be sorted from oldest to newest
Public 006	Public Sort New to Old	S2	Click on the sort button and select new to old	The polls listed on the public page would be sorted from newest to oldest
Public 007	Public Search	S2	Enter a title in the search bar and click the search button	The polls listed on the public page would only be related to the title entered and a cancel search button would appear.
Public 008	Public Cancel Search	S2	After searching, click on the cancel search button	The polls listed on the public page would go back to their original listings.
Public 009	Public Vote	S1	On one of the listed polls which is unvoted, click on one of the two available options.	The selected option would be highlighted as the user's choice and current results of the poll would be displayed after submitting the poll.
Public	Public	S1	On one of the listed polls which	There would be no change

010	Change Vote		the user has already voted on, click on the remaining option.	in the surroundings since the user has already voted on that specific poll.
Public 011	Public Sort Expiration	S2	Click on the sort button and select expiration	The polls listed on the page would be sorted according to their expiration times.

5. Private Page

ID	Title	Severity Level	Instructions	Expected Result
Private 001	Private Theme Filter	S2	Click on the filter button, select theme and enter/select the theme	The polls listed on the page would only be from the entered theme and a clear filter button would appear
Private 002	Private Voted Filter	S2	Click on the filter button, select "voted"	The polls listed on the page would only be the ones that the user has voted on and a clear filter button would appear
Private 003	Private Unvoted Filter	S2	Click on the filter button, select "unvoted"	The polls listed on the page would only be the ones that the user has not yet voted on and a clear filter button would appear
Private 004	Private Clear Filter	S3	If a filter is set, click on the clear filter button	The polls listed should go back to their original state without any filters.
Private 005	Private Sort Old to New	S2	Click on the sort button and select old to new	The polls listed on the page would be sorted from oldest to newest
Private 006	Private Sort New to Old	S2	Click on the sort button and select new to old	The polls listed on the page would be sorted from newest to oldest
Private 007	Private Search	S2	Enter a title in the search bar and click the search button	The polls listed on the page would only be related to the title entered and a cancel search button would

				appear.
Private 008	Private Cancel Search	S2	After searching, click on the cancel search button	The polls listed on the page would go back to their original listings.
Private 009	Private Vote	S1	On one of the listed polls which is unvoted, click on one of the two available options.	The selected option would be highlighted as the user's choice and current results of the poll would be displayed after submitting the poll.
Private 010	Private Change Vote	S1	On one of the listed polls which the user has already voted on, click on the remaining option.	There would be no change in the surroundings since the user has already voted on that specific poll.
Private 011	Private Sort Expiration	S2	Click on the sort button and select expiration	The polls listed on the page would be sorted according to their expiration times.

6. Personal Profile Page

ID	Title	Severity Level	Instructions	Expected Result
Personal001	Scroll through Personal Page	S3	Scroll through the personal profile page and check if all the correct lists are there - My polls, Polls I have voted on, Polls won, Polls lost, Active Polls, Inactive Polls, Win/Loss Record, Friends, Share buttons	All the required lists and information should be present
Personal002	My Polls Listing	S1	Click on the My Polls button	A page listing polls created by the user will open up
Personal003	Voted Polls Listing	S2	Click on the Voted Polls button	A page listed polls that the user voted on will open up
Personal004	Active Polls Listing	S2	Click on the Active Polls Button	A page listing polls created by the user that are still active will open up
Perso	Inactive	S2	Click on the Inactive Polls	A page listing polls created

nal005	Polls Listing		Button	by the user that are inactive will open up
Personal006	Friends Listing	S1	Click on the My Friends Button	A page listing all friends of the user as well as the find friends functionality will open up
Personal007	Share Button	S2	Click on one of the share buttons under a poll listing	The user will be prompted to share the results of the poll on their social media
Personal008	View Profile Picture	S3	Click the profile picture	A pop up allowing the user to view the profile picture will open

7. Friends Page

ID	Title	Severity Level	Instructions	Expected Result
Friends001	Search New	S1	Enter a display name in the search bar and hit the search button	A page displaying the results of the search should open with links to the resultant profiles
Friends002	My Friends	S2	Click on the my friends button and scroll through the list of friends	The profiles that have accepted the user's friend requests will be listed
Friends003	Accept Friend Request	S1	Click on the requests tab and see the listed profile. If a profile is listed, click on the accept button	The profile for which the request was accepted will disappear from the requests list and appear on the My friends list. Moreover, a notification will be sent to the user of the profile
Friends004	Reject Friend Request	S2	Click on the requests tab and see the listed profile. If a profile is listed, click on the reject button	The profile for which the request was rejected will disappear from the requests page.
Friends005	Send Friend Request	S1	Enter the display name of a user who is currently not friends with the user in the search bar and hit the search button. Click	A friend request will be sent to the user of the profile and the send request button will change

			send request button next to the profile.	to request sent.
Friend s006	Remove Friend	S2	Find the profile of the friend to be removed from the list of friends. Click on the remove friend button next to the profile.	The profile will be removed from the friends list for both the user and the user of the profile.

8. Create Poll Page

ID	Title	Severity Level	Instructions	Expected Result
Create 001	Create private Poll	S1	Upload the 2 options or images. Fill title and theme fields. Select the private button. Set the timer for the poll. Click start poll.	The poll will be created and will be added to the user's profile under my polls. The poll will only show up the user's friends' private pages for them to vote on and will expire once the timer expires.
Create 002	Create public Poll	S1	Upload the 2 options or images. Fill title and theme fields. Select the public button. Set the timer for the poll. Click start poll.	The poll will be created and will be added to the user's profile under my polls. The poll will only show up the user's friends' public pages for them to vote on and will expire once the timer expires.
Create 003	Create Friend Poll	S1	Click on the friend poll tab and fill in the required fields. Upload your image and click the send invite button. Select the friend from the friend list that pops up to send the invite to.	A friend poll will be created and an invite to participate in the poll will be sent to the selected friend. They will then be able to upload their contending image and start the poll.
Create 004	Blank field Poll	S1	Fill in all details except for one of the fields. Click start poll. Repeat for each field	The user will be prompted to complete the remaining field first.

9. Settings Page

ID	Title	Severity Level	Instructions	Expected Result
Setting s001	Change Password	S2	Fill in the new password and repeat password fields and click the change password button	If the entered information is correct, the password associated with the user's account will be changed in the database and a prompt saying change successful will pop up. The next time the user logs in, it will have to be using the new password.
Setting s002	Delete Account	S3	Click the delete account button and click confirm on the prompt	The user will be logged out and all information regarding the user will be deleted from the database.
Setting s003	Change Display Name	S3	Enter new display name and password fields and click change display name button	If the display name is not taken, the user's display name will be changed to the entered one. Otherwise, the user will be prompted as needed.
Setting s004	Change Profile Picture	S3	Click on the change profile picture button and browse through the computer to find the required picture. Click submit.	The user's profile picture will be changed on the profile page.

10. Navigation bar

ID	Title	Severity Level	Instructions	Expected Result
Nav001	Refresh Page	S2	Click on the icon indicating the current page for each page multiple times.	The clicked page must refresh with the latest information.
Nav002	Public Navigation	S1	Click on the icon indicating the public page.	The public page must be displayed with the public page icon highlighted.
Nav003	Private Navigation	S1	Click on the icon indicating the private page.	The private page must be displayed with the private

	on			page icon highlighted.
Nav004	Create Poll Navigation	S1	Click on the icon indicating the create poll page.	The create poll page must be displayed with the create poll page icon highlighted.
Nav005	Settings Navigation	S1	Click on the icon indicating the settings page.	The settings page must be displayed with the settings icon highlighted.
Nav006	Profile Navigation	S1	Click on the icon indicating the profile page.	The user's profile page must be displayed with the profile icon highlighted.

Equivalence Class Test Cases

1. Sign Up Page

ID	Title	Severity Level	Instructions	Expected Result
Signu pE001	Invalid Display Name	S1	Display name includes invalid characters	Warning given preventing submission, display name cannot contain invalid characters
Signu pE002	Invalid Password	S2	Password does not include required characters	Warning given preventing submission, password must contain required characters
Signu pE003	Invalid Password re-entry	S2	Password re-entry does not match password	Warning given preventing submission, passwords must match
Signu pE004	Invalid Email	S2	Email entered is not valid	Warning given preventing submission, email must be valid
Signu pE005	Invalid Username	S2	Username includes invalid characters	Warning given preventing submission, username cannot contain invalid characters

2. Login Page

ID	Title	Severity Level	Instructions	Expected Result
LoginE 001	Invalid Username	S3	Username entered is not valid	Give general warning saying login information is not correct, prevent entry
LoginE 002	Invalid Password	S3	Password entered is not valid	Give general warning saying login information is not correct, prevent entry

3. Public Page

ID	Title	Severity Level	Instructions	Expected Result
Public E001	Correct Polls Loaded	S1	Public polls page is opened	Only polls marked public are visible
Public E002	Correct Polls Filtered	S1	Public polls are filtered	Only polls that match the filter are visible
Public E003	Polls correctly sorted	S1	Public polls sorted	All public polls are reordered based on sorting selected

4. Private Page

ID	Title	Severity Level	Instructions	Expected Result
Private E001	Correct Polls Loaded	S1	Private polls page is opened	Only polls marked private by friends are visible
Private E002	Correct Polls Filtered	S1	Private polls are filtered	Only polls that match the filter are visible
Private E003	Polls correctly sorted	S1	Private polls sorted	All private polls are reordered based on sorting selected

5. Personal Page

ID	Title	Severity Level	Instructions	Expected Result
PersonalE001	Correct Polls Loaded	S1	Personal page is opened	Only polls created or interacted with are visible
PersonalE002	Correct Stats Loaded	S1	Personal page is opened	Correct stats for the user logged in are displayed

6. Friends Page

ID	Title	Severity Level	Instructions	Expected Result
FriendsE001	Correct Friends Loaded	S1	Friends page is loaded	Only users who have been previously accepted as friends are displayed

7. Create Poll Page

ID	Title	Severity Level	Instructions	Expected Result
CreateE001	Valid Expiration	S2	Expiration entered is invalid	Warning given preventing submission, only valid expirations are accepted
CreateE002	Valid Image Upload	S2	Image(s) uploaded are invalid	Warning given preventing submission, only valid images are allowed
CreateE003	Valid Title	S1	Title entered has invalid characters	Warning given preventing submission, only valid characters are allowed in the title

8. Settings Page

ID	Title	Severity Level	Instructions	Expected Result
SettingsE001	Invalid Display Name	S2	Display name entered is invalid (Changing display name)	Warning preventing submission, display name must only contain valid characters
SettingsE002	Invalid password	S3	Password entered does not contain required characters (Changing password)	Warning preventing submission, passwords must include all characters that are required
SettingsE003	Passwords match	S3	Passwords entered do not match (Changing password)	Warning preventing submission, passwords must match

Setting sE004	Invalid Usernam e	S3	Username entered does not match current username (Deleting account)	Warning preventing submission, username must match in order to delete account
Setting sE005	Invalid passwor d	S3	Password entered does not contain required characters (Deleting account)	Warning preventing submission, passwords must include all characters that are required

Boundary Value Test Cases

1. Sign Up Page

ID	Title	Severity Level	Instructions	Expected Result
Signu pB001	Empty display name	S2	Display name entered is blank	Warning given preventing submission, display name must not be blank
Signu pB002	Display name exceeds length	S2	Display name contains over 20 characters	Warning give preventing submission, display name must not exceed over 20 characters
Signu pB003	Empty Password	S2	Password entered is blank	Warning given preventing submission, password must not be blank
Signu pB004	Empty Password re-entry	S2	Password re-entry is blank	Warning given preventing submission, password re-entry must not be blank
Signu pB005	Empty email	S2	Email entered is blank	Warning given preventing submission, email must not be blank
Signu pB006	Empty username	S2	Username entered is blank	Warning given preventing submission, username must not be blank

2. Login Page

ID	Title	Severity Level	Instructions	Expected Result
LoginB 001	Empty username	S1	Username entered is blank	Warning given preventing submission, username must not be blank
LoginB 002	Passwords restrictions	S1	Password entered is blank	Warning given preventing submission, password must not be blank

3. Public Page

ID	Title	Severity Level	Instructions	Expected Result
Public B001	No Public Polls Available	S1	Load page with no current public polls	Database query returns 0, message displayed explaining 0 returned polls.
Public B002	No Filtered Polls	S1	Filter to poll characteristics that are currently not present	Database query returns 0, message displayed explaining 0 returned polls.
Public B003	Sorting No Polls	S1	Sort page when no polls exist	Run no function, as no polls currently exist

4. Private Page

ID	Title	Severity Level	Instructions	Expected Result
Private B001	No Private Polls Available	S1	Load page with no current private polls	Database query returns 0, message displayed explaining 0 returned polls.
Private B002	No Filtered Polls	S1	Filter to poll characteristics that are currently not present	Database query returns 0, message displayed explaining 0 returned polls.
Private B003	Sorting No Polls	S1	Sort page when no polls exist	Run no function, as no polls currently exist

5. Personal Page

ID	Title	Severity Level	Instructions	Expected Result
PersonalB001	No Personal Polls Available	S1	Load page with no current personal polls	Database query returns 0, message displayed explaining 0 returned polls.
PersonalB002	No Stats available	S1	Load page with no current profile stats	All displays should be 0 and suggest making a poll

6. Friends Page

ID	Title	Severity Level	Instructions	Expected Result
FriendsB001	No Current Friends	S1	Load page without any current friends	Database query returns 0, message displayed explaining no current friends

7. Create Poll Page

ID	Title	Severity Level	Instructions	Expected Result
Create B001	Expired Expiration	S2	Enter an expiration that has already occurred	Warning given preventing submission, as only valid expirations in the future are possible
Create B002	Upload limit exceeded 1	S2	Upload more than 1 image (friend poll)	Warning given, upload limit exceeded
Create B003	Upload limit exceeded 2	S2	Upload more than 2 images (personal poll)	Warning given, upload limit exceeded
Create B004	No uploads	S2	Upload no images	Warning given preventing submission, images missing
Create B005	No title	S1	No poll title is entered	Warning given preventing submission, title is required

8. Settings Page

ID	Title	Severity Level	Instructions	Expected Result
Setting sB001	Empty display name	S2	Display name entered is blank (Changing display name)	Warning given preventing submission, display name must not be blank
Setting sB002	Display name	S2	Display name contains over 20 characters (Changing display name)	Warning given preventing submission, display name

	exceeds length		name)	must not exceed over 20 characters
Setting sB003	Empty Password	S2	Password entered is blank (Changing password)	Warning given preventing submission, password must not be blank
Setting sB004	Empty Password re-entry	S2	Password re-entry is blank (Changing password)	Warning given preventing submission, password re-entry must not be blank
Setting sB005	Empty Password	S2	Password entered is blank (Deleting account)	Warning given preventing submission, password must not be blank
Setting sB006	Empty username	S2	Username entered is blank (Deleting account)	Warning given preventing submission, username must not be blank