Team 24: Groupr

Test Plan for Part 2, Team 21: Readly

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Test Type	Encoding
Functionality	F
Equivalence	E
Boundary	B

Frontend: https://cs408readly.herokuapp.com/login

* The 'Backlog Item' number represents which item on Team 21's backlog a certain test case relates to.

Component: Login-signup (LOG)

Title	<ID>:<Backlog Item>(<Test Type>)	Instructions	Expected Result	Severity
Facebook login button	LOG001:1(F)	Click on facebook login button	Facebook login page appears with a login form	2
Facebook login valid credentials	LOG002:1(F)	Enter valid facebook credentials into the form	Successful login and allows access to app	1
Facebook login invalid credentials	LOG003:1(E)	Enter invalid facebook credentials into the form	Unsuccessful login occurs and an error message appears on the login form	3
Sign up with valid	LOG004:2(F)	Press the signup button with all	The account is successfully created and	1

fields		fields filled and a valid email in the email input	the page is redirected to a list of articles	
Sign up with missing fields	LOG005:2(B)	Press the sign up button with the email field blank	An error message appears on the screen and the account is not created	3
Sign up with existing account	LOG006:2(F)	Sign up a user with a given email, then try signing up another user with the same email	An error message appears on the screen and the account is not created	3
Log in with valid credentials	LOG007:2(F)	Fill login fields with credentials and hit the login button	The website redirects to the home page	1
Log in with wrong credentials	LOG008:2(E)	Fill login fields with the incorrect credentials and hit the login button	An error message appears and no redirects happen	2
Log in with no credentials	LOG009:2(B)	Do not fill any login input fields and hit the login button	An error message appears and no redirects happen	2

Component: Articles (ART)

Title	<ID>:<Backlog Item>(<Test Type>)	Instructions	Expected Result	Severity
Trending news	ART001:3(F)	Login and get redirected to the homepage	A list of recommended trending news articles is presented	1

			to the user	
Upvote Articles	ART002:4(F)	Select "up-vote" option to vote for an article	The number of total votes an article has increments by 1	2
Downvote Articles	ART003:5(F)	Select "down-vote" option to vote against an article	The number of total votes an article has decrements by 1	2
Comments section button	ART004:14(F)	Click on the comments section button of an article	Other users' comments are displayed for the article	2
Commenting on an article	ART005:14(F)	Write some text in the comment input field and hit the comment button	The comment is added and displayed in the comment section	2
Commenting an empty string	ART006:14(B)	Write nothing in the comment input field and hit the comment button	An error message is displayed and the empty comment is not added to the comment section	3
Favorite an article	ART007:17(F)	Click on the favorite button of an article	The article is added to the favorites section	2
Click to read more	ART008:18(F)	Click on the article to read more	The page is redirected to the external source of the article in a new tab	1

Article headlines	ART009:19(F)	View the homepage of the app	Headlines of recommended articles are displayed	1
View favorited articles	ART010:22(F)	Click on the favorites link	A list of previously favorited articles are displayed	2

Component: Recommendation (REC)

Title	<ID>:<Backlog Item>(<Test Type>)	Instructions	Expected Result	Severity
Initial News Category Recommendation	REC001:6(F)	1. Create new account.	2. Initial list of news categories is suggested to user.	2
New stories suggested based on previous activity.	REC002:8(F)	1. Create new account. 2. Indicate interest in subject X	3. Have news stories from subject X suggested for reading.	3

Component: Sharing (SHA)

Title	<ID>:<Backlog Item>(<Test Type>)	Instructions	Expected Result	Severity

Post article to the user's Facebook	SHA001:13(F)	Click on the "Share on Facebook" button.	The article is shared on the user's Facebook	3

Component: Categories (CAT)

Title	<ID>:<Backlog Item>(<Test Type>)	Instructions	Expected Result	Severity
Show multiple news sources for one topic	CAT001:11(F)	1. Create new user. 2. Add indicate interest in subjects X and Y 3. Search for news	4. Display relevant news from multiple sources	2
Display saved articles organized by category and chronologically sorted	CAT002:23(F)	1. Create new user. 2. Save more than one news story from more than one category.	3. The saved news stories are organized by category and listed chronologically by the time they were saved in each category.	2

Component: Reporting (REP)

Title	<ID>:<Backlog Item>(<Test Type>)	Instructions	Expected Result	Severity
Inappropriate comment flagging.	REP001:21:(F)	1. Create a comment as user A 2. Flag comment created by user A	3. Development team should be notified of flagged comment.	2

		as user B by clicking button on comment flag button.		

Component: Settings (SET)

Title	<ID>:<Backlog Item>(<Test Type>)	Instructions	Expected Result	Severity
Navigate to personal settings page	SET001:25(F)	1. Login as user A 2. Click on "personal settings" button.	3. Navigate to form with user A's settings.	2
Settings Form Validation, Success	SET002:25(E)	1. SET001 2. Change user name to C 3. Submit Form	4. User A's name should be updated to C	2
Settings Form Validation, Empty String Failure	SET003:25(B)	1. SET001 2. Change user name to "". 3. Attempt to submit form	4. Reject submission and indicate user name field must be non-empty	2
Settings Form Validation, invalid email format	SET004:25(E)	1. SET001 2. Change user email to "notanemail" 3. Attempt to submit form	4. Reject submission and indicate email must be properly formatted.	2

Non-Functional (NF)

Title	<ID>:<Backlog Item>(<Test Type>)	Instructions	Expected Result	Severity
Navigate to personal settings page	NF001:25(F)	1. Login as user A 2. Click on "personal settings" button.	3. Navigate to form with user A's settings.	2
Initial page load.	NF002:28(F)	1. Load page	2. Should finish loading within one second	2
Changing news source.	NF003:28(F)	1. Load home page 2. Click one of the news sources in the left sidebar.	3. Display the news source's stories within 500ms.	2
Secure preferences from other users.	NF004:27(F)	1. Login as user A and make changes 2. Login as user B and attempt to see user A's changes	3. User A's changes should not be visible.	1
Ensure application security.	NF005:27(F)	1. Open Inspector console 2. Attempt to hijack XHR's to server using Javascript	3. Server should not respond to illegal requests made through hijacking.	1

Ensure local storage integrity.	NF006:27(F)	1. Open Inspector console 2. Attempt to view local storage and cookies	3. No permanent user data should be stored in plaintext format	1
Stress test 100 users	NF007:28(F)	1. Simulate 100 users accessing home page	2. Maintain 100% availability	2
Stress test 100 users	NF008:28(F)	1. Simulate 100 users accessing the home page	2. Maintain responses under 1s.	2