

Action Descriptions

Create Board: This action will be triggered by a form submit and create a new “Board” object model with all the features specified in the form. The Form will include a text box to give the board a title (required) a dropdown privacy setting (public, private, secret - also require), a text box to give a description of the board (optional), a file upload to give associate an image to the board that will be displayed on the homepage (optional). This action will also attach the “request.user” as the Admin associated with this tack. The view will redirect the user to a “Board” page that will be empty, with the standard options to add a new tack or invite users to join the board.

Create Tack: This action will be triggered by a form submit and create a new “Tack” object model with all the features specified in the form. The Form will include a text box to post a link (this will be required), a dropdown privacy setting (public, private, secret - also required), an option to add tags to the tack (not required), a comment section to say something about your post (not required). This action will also attach the “request.user” as the User associated with this tack. If a comment is created it this action will create a new “comment” object associated with the current user and “tack.” If posting to a private board - which can be seen but not posted to unless the user is verified by the admin - this action will verify that the user has access to post. The user will be redirected back to the board they posted on.

Invite To Board: This will be a link/nav option in the board view, it will be a form with simply a required text box for a user’s username. The action will create a new notification for the user specified. It will use the request user as the inviter and the specified user as the invitee. The next time the specified user logs in to tack’d, this notification will appear on their notification log

Search: A search bar similar to that of Grumblr. To search a board by a tag, a form will submit this request, grabbing the current board and tag word it will simply filter the board posts by that tag and display only those posts containing the desired tag.

A search for a board will search the database's "Board" models for a board with the given title and will redirect to that board page if it is a private or public board and redirect to an empty board page with an option to request membership if it is secret.

Request Board Membership: This will be triggered by a button on the private or secret "Board" view. The action will take the user requesting, the current board, and from that, the Board admin. It will construct a new "notification" object to be posted on the admin's notification log. The admin can then either accept or deny the user as a board member. This will stay on the same page.

Approve Request: This action will be associated with a specific "notification" object that contains the info of the requester, the board admin (aka the current user) and the board at hand. The board admin will have 2 link options: approve or deny. The approve link will trigger this action will create a relationship (many-to-many) between the board and the requester. It will also delete this notification from the admin's notifications. This will not redirect to a new page (stay on home screen).

Deny Request: The trigger for this action is similar to the approve (a different link). It will simply delete the notification without adding the user to the board. It will not redirect to a new page (stay on home screen)

Comment: This will be very similar to comments on Grumblr.

Each "Tack" has a comment form associated with it. There will be a text field for the comment (this will be required) and hidden fields containing the "tack" object and current user. It will create a

new comment object with the given text, user, and “tack,” displaying the user and his/her comment underneath the tack.

Like: Again, this will be similar to Grumblr “Dislikes.” It will simply be a button that will increment that tack’s “like” field by 1.

Add Tag: Once a tack has been created anyone with write privileges to the board that tack belongs to can add tags to the tack. These tags will be used to filter and create “sub boards” in an easier way. The option to add a tag will be similar to the comment form - just a required text field (single word) and a submit button that will associate the tag with the given tack. This action will create a new “Tag” model object with the given string and “tack” attributes.

Register: This is behind the scenes since we are using Twitter OAuth. If a user that has never logged in via their Twitter account logs in, this action will be called and we will create a new Tack’d User model for this user. And redirect to their new homepage

Login Button: The main screen will just have a button for the user to “login via twitter.” We will use OAuth to redirect the user to the Twitter login page in the action for this button.

Login from Twitter: Once a user logs in with their Twitter credentials, Twitter’s OAuth will redirect them back to our site with user info which will call this second login action. We will check all the Tack’d users for a user with given username, if there isn’t one we will call the Register action to create a new one. If there is, we will set that user to the current user and redirect them to their homepage.

Tweet Tack: This will create and publish a tweet version of the link and comment of the Tack via the user’s twitter authorization information.

