TESTING

Registration:

* Untaken username, email, valid password, matching password
  + EXPECTED: creates account and enters into account table accordingly
  + RESULT: success as expected
* Untaken username, email, valid password, non-matching password
  + EXPECTED: error message, tells user their password is bad, does not create account
  + RESULT: as expected
* Untaken username, email, passwords left empty
  + EXPECTED: error message, tells user password is required, does not create account
  + RESULT: as expected
* Username left empty, email, valid password, matching password
  + EXPECTED: error message, tells user username is required, does not create account
  + RESULT: as expected
* Untaken username, email left empty, valid password, matching password
  + EXPECTED: error message, tells user email is required, does not create account
  + RESULT: as expected
* Untaken username, bad email (no “@”), valid password, matching password
  + EXPECTED: error message, tells user email is invalid, does not create account
  + RESULT: as expected
* Taken username, email, valid password, matching password
  + EXPECTED: error message, tells user username is already taken, does not create account
  + RESULT: as expected
* Username, email, or passwords longer than 40 characters
  + EXPECTED: html textbox truncates after 40 characters to preserve database integrity
  + RESULT: as expected

Sign-in:

* Valid username, matching password
  + EXPECTED: sign in successfully, redirect to browse
  + RESULT: as expected
* Valid username, bad password
  + EXPECTED: does not log in; informs user of bad password
  + RESULT: as expected
* Bad username, bad password / another user’s password
  + EXPECTED: does not long in; informs of nonexisting user
  + RESULT: as expected
* One or more fields left empty:
  + EXPECTED: does not log in; informs one or more fields are missing
  + RESULT: as expected
* Reset button clicked:
  + EXPECTED: all entry cleared
  + RESULT: as expected

Profile Update:

* Untaken new username, valid old password
  + EXPECTED: username changed, database updates
  + RESULT: as expected
* Taken new username, valid old password
  + EXPECTED: username not changed, alert issued
  + RESULT: as expected
* Username left empty, valid old password
  + EXPECTED: username not changed
  + RESULT: as expected
* Valid new email, valid old password
  + EXPECTED: email changed
  + RESULT: as expected
* Invalid new email, valid old password
  + EXPECTED: email not changed
  + RESULT: failure. Email changed to an invalid entry. (Unknown bug prevents this from being caught.)
* Empty new email, valid old password
  + EXPECTED: email not changed
  + RESULT: as expected.
* Valid new password, match, valid old password
  + EXPECTED: password changed
  + RESULT: as expected.
* Valid new password, no match, valid old password
  + EXPECTED: warning that new passwords don’t match, password not changed
  + RESULT: as expected
* One new password field left empty, valid old password
  + EXPECTED: warning that new passwords don’t match, password not changed
  + RESULT: as expected
* Both new password fields left empty, valid old password
  + EXPECTED: password not changed
  + RESULT: as expected
* Any input, invalid old password
  + EXPECTED: no changes applied, warning that old password is invalid
  + RESULT: as expected
* Any combination of inputs, new or old, and valid old password
  + EXPECTED: all changes pushed
  + RESULT: as expected

Contact, Friend/foe, User blocking, Media sharing/blocking:

* Own page
  + EXPECTED: “add contact” form does not display.
  + RESULT: as expected
* Another’s page, blank submit
  + EXPECTED: entry added to table interaction, all empty, or preexisting entry is wiped clean
  + RESULT: as expected
* Another page, add contact
  + EXPECTED: added to contact in database
  + RESULT: as expected
* Another page, add friend or add foe
  + EXPECTED: database entry updated
  + RESULT: as expected
* Another page, block user
  + EXPECTED: blocked user loses ability to comment on blocker’s uploads
  + RESULT: as expected
* Another page, media block user
  + EXPECTED: blocked user cannot see blocker’s uploads when browsing
  + RESULT: as expected
* Reset button:
  + EXPECTED: all entry cleared
  + RESULT: as expected

Upload, Meta data input:

* No file
  + EXPECTED: upload error, no database entry made
  + RESULT: as expected
* File, no keywords
  + EXPECTED: upload, no entries into keywords table
  + RESULT: as expected
* File, space as keyword
  + EXPECTED: upload, no entries into keywords table
  + RESULT: as expected
* File, multiple keywords
  + EXPECTED: upload, entry into keyword table for each keyword
  + RESULT: as expected

Download/View:

* Clicking file name
  + EXPECTED: opens new window to view file
  + RESULT: as expected
* Clicking non image or video file
  + EXPECTED: alerts user that this file cannot be displayed
  + RESULT: as expected
* Clicking download for any file
  + EXPECTED: downloads file
  + RESULT: as expected

Media sharing/blocking

* (See above)

Browse by category

* (All media)
  + EXPECTED: all media displayed
  + RESULT: as expected
* Images
  + EXPECTED: only image files displayed
  + RESULT: as expected
* Videos
  + EXPECTED: only video files displayed
  + RESULT: as expected
* Other
  + EXPECTED: all files EXCEPT videos and images displayed
  + RESULT: as expected

Browse by channel

* Clicking a user’s profile name
  + EXPECTED: profile links to all media uploaded by that user, with download and view links.
  + RESULT: as expected.

Playlists

* Create new playlist, valid name
  + EXPECTED: list is added to index and can be added to
  + RESULT: as expected
* Create new playlist, no name
  + EXPECTED: error, name cannot be empty, playlist not added
  + RESULT: as expected
* Create new playlist, space as name
  + EXPECTED: error, name cannot be empty
  + RESULT: as expected
* Create new playlist, name longer than 40 chars
  + EXPECTED: html truncates name at 40 chars
  + RESULT: as expected
* Add media to a playlist
  + EXPECTED: media added to playlist, database updated
  + RESULT: as expected
* Add media to a playlist it is already in
  + EXPECTED: media added to playlist, but duplicates are NOT shown when looking at playlist
  + RESULT: as expected
* Add to favorites
  + EXPECTED: media added to favorites; favorites created if it does not exist
  + RESULT: as expected
* Add a media ID that does not exist, or an empty media ID
  + EXPECTED: media “added” to list, but not displayed when looking at playlist
  + RESULT: as expected
* View playlist
  + EXPECTED: view URLs to all media in the selected playlist
  + RESULT: as expected

Most Viewed

* View most viewed media
  + EXPECTED: media sorted by view count
  + RESULT: as expected

Most recent

* View most recently uploaded media
  + EXPECTED: media sorted by upload date
  + RESULT: as expected

Commenting

* adding a comment
  + EXPECTED: comment added, database updated
  + RESULT: as expected
* adding an empty comment
  + EXPECTED: error message, no comment added
  + RESULT: as expected
* adding a comment with just whitespace
  + EXPECTED: error message, no comment added
  + RESULT: as expected
* adding a comment longer than 2000 characters
  + EXPECTED: html truncates comment at 2000 characters
  + RESULT: as expected
* adding a comment when uploader has blocked user
  + EXPECTED: comment submit box does not display, making commenting impossible
  + RESULT: as expected

Keyword-based search

* valid keyword
  + EXPECTED: media indexed based on keyword; media without that keyword not displayed
  + RESULT: as expected
* multiple keywords
  + EXPECTED: any media with one or more keyword displayed
  + RESULT: as expected
* more than 40 chars into keywords bar
  + EXPECTED: html truncates at 40 chars
  + RESULT: as expected
* no keywords (blank search or whitespace)
  + EXPECTED: no media displayed; blank keywords are not allowed
  + RESULT: as expected
* partial keyword (first letter of a keyword)
  + EXPECTED: media not displayed unless keyword is an exact match
  + RESULT: as expected