When the user logs in, the credentials will be matched with the database. If the credentials match, the user will be logged in and taken to the main page.

When the user logs in, the credentials will be matched with the database. If the credentials don’t, then the user is not logged in and stays on the index page.

If the user clicks on “Register” button and the chosen username already exists in the database, the registration should fail, and the user stays on the index page.

If the user clicks on “Register” button and the chosen username doesn’t exist in the database, insert the new user credentials into `user` and take the user to the main page.

If the user has previously saved some collages, the saved collages should be loaded from `saved\_collage` in accordance with `user\_id` and displayed on the collage history gallery.

If the user clicks on “Delete Collage” button, the currently display collage should be removed from both `saved\_collage` and `session-collage`.

If the user clicks on “Build Collage” button and builds a collage successfully, the collage should be inserted to `session\_collage` with the corresponding `user\_id`.

If the user clicks on “Save to History” button, the collage should be inserted to `saved\_collage` with the corresponding `user\_id`.

When the user logs out or session ends, the user’s `session\_collage` should be cleared.