70%

* **Complete each challenge below on its own individual HTML page inside the "tests/JS\_HOT3" directory in your local repo.**
* **Use ONLY your textbook, MDN, and the Bootstrap Docs for these challenges. Online resources, code examples, and your lab projects are off limits for this test.**
* **All code submitted must be your original work.**
* **You have 4 hours to complete this test. Good Luck!**

### Challenge 1 - Login Page

* Create a small login form with email and password fields.
* The email field must have name=email, type=email, autocomplete=email, and class=form-control \_\_\_\_\_ / 4pts
* The password field must have name=password, type=password, autocomplete=password, and class=form-control \_\_\_\_\_ / 4pts
* The login button must have type="submit" and class="btn btn-primary" \_\_\_\_\_ / 2pts
* If the user leaves either field blank, display this error message in the DOM: **"You seem to have forgotten your username and password."** \_\_\_\_\_ / 4pts
* If the user enters **"admin@example.com"** for the email and **"password"** as the password, display this success message in the DOM: **"Welcome back Admin!"** \_\_\_\_\_ / 3pts
* If the user enters an incorrect email or password, display this error message in the DOM: **"That email and password doesn't seem to be right. Try again."** \_\_\_\_\_ / 3pts
* All error messages must be displayed in red using the "text-danger" class. Display success messages in green using the "text-success" class.
* Do not use any **alert/prompt/confirm** dialogs for this page!
* Use **Bootstrap v5** to style the whole page. \_\_\_\_\_ / 10pts

### Challenge 2 - Todo App

* Build a small app to keep track of your todo list. Represent each task as a string.
* Prepopulate the todo list with **5** tasks. \_\_\_\_\_ / 10pts
* Allow the user to add tasks to the list. New items must be displayed immediately on the page. \_\_\_\_\_ / 10pts
* Allow the user to remove tasks from the list. The list must be updated immediately on the page. \_\_\_\_\_ / 5pts
* Do not allow the user to add blank tasks to the list. \_\_\_\_\_ / 5pts
* Do not use any **alert/prompt/confirm** dialogs for this page!
* Use **Bootstrap v5** to style the whole page. \_\_\_\_\_ / 10pts

### Challenge 3 - Upvote/Downvote

* Create a simple review page for a single product/service.
* Users can give the product/service a **thumbs-up** or a **thumbs-down** rating. \_\_\_\_\_ / 10pts
* Users can rate the product/service an **unlimited** number of times.
* When the user clicks the upvote or a downvote buttons keep track of:
  + the total number of upvotes
  + the total number of downvotes
  + the total score (upvotes - downvotes)
* Update and display **all three of the above numbers** every time a button is clicked. \_\_\_\_\_ / 10pts
* Use **Bootstrap v5** to style the whole page. \_\_\_\_\_ / 10pts