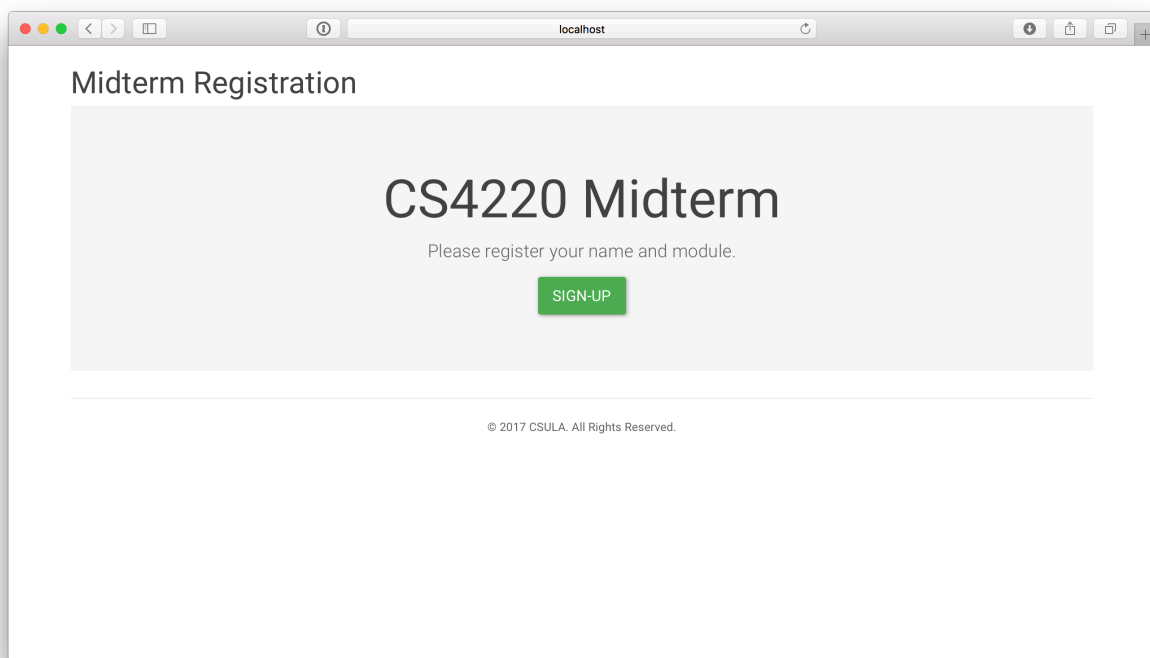# Midterm Registration

In this assignment you will create an AngularJS application to manage a list of all groups based on the modules they select. You should use routes, controllers, and views to implement a `main` view, and a `signup` view.

Main View

Your `main` view should be located at the root path of your application. Below is an example of what your main view can look like:

Upon clicking on the Sign-Up button, the view should change to the `signup` view.
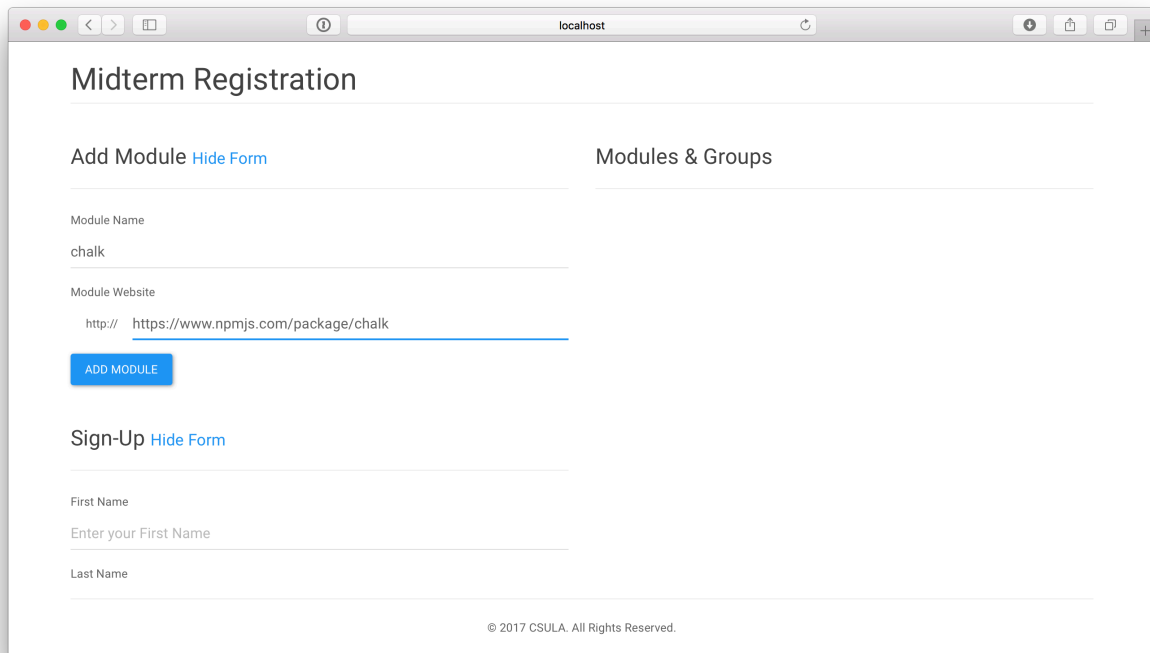
Sign-Up View

An example of the Sign-Up view can be seen below:

The `signup` view should consist of an **Add Module Form**, **Sign-Up Form**, and a **Modules & Groups** list.
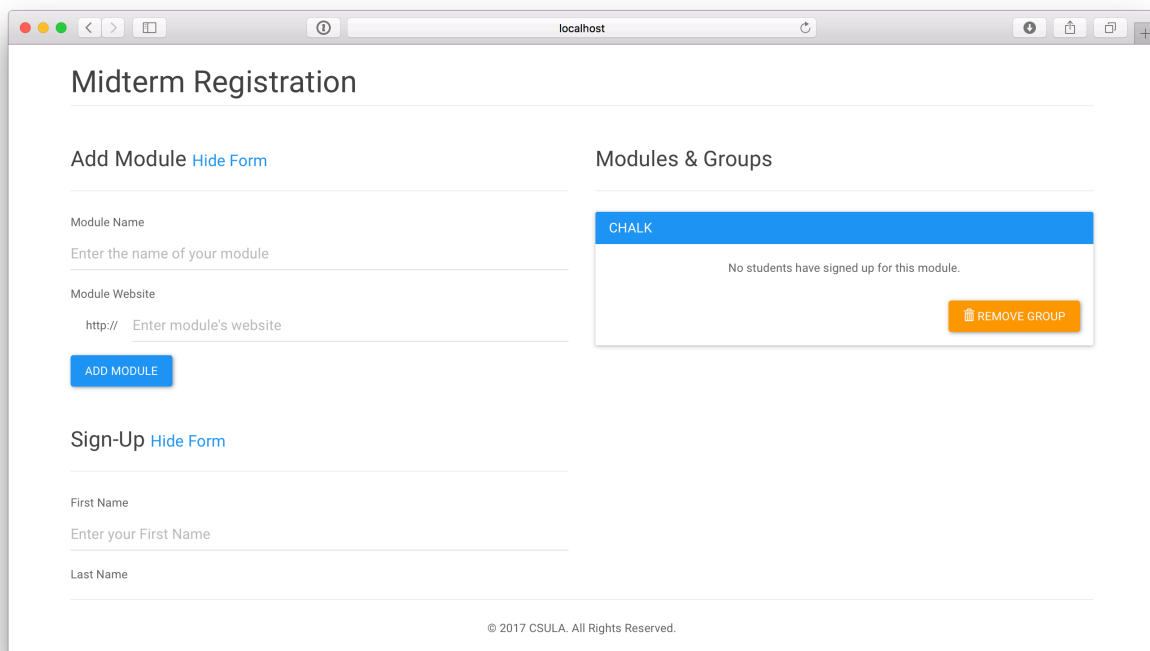
Add a Module

Before a student can join a group, we must first add their desired module to our application. To do so, the User must fill out the Add Module form as illustrated below:

Upon submitting the Add Module form, a representation of the newly added module should appear under the Modules & Groups section of your page. An example is below:

Sign-Up (Join a group)

Once your application contains one or more modules, a student can Sign-Up to present on a module. To do so, you should display a Sign-Up form that collects the student's first and last names, e-mail address, and the module they'd like to present. To select a modules, you should dynamically update a drop-down field with all modules that have been added to your application. *As a new module is added, the drop-down should automatically update with the new option.* Below is an example of what your form may look like:

Upon submitting the Sign-Up form, the student should be added to the corresponding module in the Modules and Groups list. Below is an example:

Since group sizes are limited to 3-4 students, we will need to support multiple groups for the same module. To do so, we will *automatically assign a* **Group Number** *to each module that has more than one team.* For example if a student wants to prevent on the chalk module, but a group already exists, that student would simply add the chalk module again.

Upon submitting, your application will add a new entry in your list of Modules and Groups. Now, each entry will have a Group Number automatically appended to the name. See below:

It is important to mention that the drop-down list of modules should match the names presented in your Modules & Groups list. That is to say, when we had only one Chalk entry, the drop-down list looked like this:

But, when we add a second Chalk module, the drop-down list should be automatically updated to include the Group Numbers as well.

Now, when another student signs up, they can select the second Chalk group. Below, we see that Mary is signing up to join Chalk - Group 2:

Upon submitting the Sign-Up form, Mary is added to Chalk - Group 2. See image on the next page.

To continue outlining the naming behavior, if a module is added with a new, unique name, it should be added to the list *without a group number.*

It is also important to note that the list of modules appears in alphabetical order.

View all Modules and Groups

The list of modules and groups should clearly outline all students who are part of a group, and what module they will be presenting. *The title of each panel should be a hyperlink to the npm website for the module.* Additionally, the list should allow a User to remove students from groups, and delete entire groups.

Keep in mind, if you have two modules with the same name, they will be displayed with an added group number. But, if you delete one of the two modules, the name should return to just the module name *without* the group number.

Additional Notes

Each form should contain an obvious way of showing/hiding the form to make room on the screen.

Grading

- 10pts - Use routes to switch between your main view and sign-up view.
- 10pts - Add Module
- 10pts - Delete Module
- 15pts - Correctly display module names in Modules and Groups list
- 15pts - Correctly display module names in the Sign-Up drop-down list.
- 10pts - Allow User to hide/show each form.
- 10pts - Add student to specific group/module
- 10pts - Remove student from specific group/module
- 10pts - Display modules in alphabetical order

Total: 100pts