InSpire - Dynamic UI

Stephen Palagi - Kevin Chan - Nicholas Merlino - Michael Gallant - James Morris - Josh Silvia

---

Components

1.) App
The App component represents the top level of our application. It holds our HTML framework from which we call the rest of our components to display all the relevant information to the user. There is only ever one App component.

2.) Calendar
The Calendar component is a list of CalendarBlocks. By default, if the student is not enrolled in any courses, a blank calendar will be displayed with default university times. If a student has courses enrolled the Calendar will create the relevant CourseButton components. There is only ever one Calendar component.

3.) CalendarBlock
A CalendarBlock represent one time slot on the Calendar component. The size and text of a CalendarBlock depends on how long of a time slot it represents. A CalendarBlock can either be empty or have a CourseButton which represents and enrolled course. Clicking on an empty CalendarBlock will trigger an AvailableModal component. There can be many CalendarBlocks displayed.

4.) CourseButton
The CourseButton component represents a course on the student's calendar. When the calendar is being created, if there is an enrolled course in that particular CalendarBlock, this information will be passed to a new CourseButton component. The component displays all of the relevant course information in the appropriate CalendarBlock. Clicking on a CourseButton will trigger a CourseInfo component. There can be multiple CourseButton components displayed at once.

5.) AvailableModal
The AvailableModal component appears when an empty CalendarBlock is clicked. This component represents a modal containing a list of available courses for the time slot of the CalendarBlock. If there are no courses available the list will be empty and a message will be displayed. Clicking on an available course triggers a CourseInfo component. There will only ever be one AvailableModal component displayed at a time.

6.) Important Notices

The important Notices component appears in the top left corner of the webpage and displays all of the current notices a student has such as: financial aid statements, student account holds, and other messages. These messages will appear as a list of links that will open modals with all of the relevant information.

7.) SideNav

The SideNav component appears when the sidenav expanding button is clicked and hides itself when the sidenav expanding button is clicked again. This component represents each of the external links that we would further implement in a real world development environment. For the purposes of this class these will remain unimplemented. We simply wanted to demonstrate extensibility.

8.) NavBarButton

The NavBarButton component represents a link on the Navbar. These links take the user to various parts of InSpire. There can be multiple NavBarButtons

9.) NavBarExtendButton

This component represents the little tab the user clicks to expand the SideNav. When clicked, the Sidenav will expand and the NavBarExtendButton will flip. There is only one NavBarExtendButton

10.) Modal

This is a simple class that creates a pop up modal window. It takes an id as a prop and just displays its children in the body. It also has buttons for adding a class to the schedule and closing the window.

11.) SearchPanel

The SearchPanel component is the parent of the SearchRadios and SearchResultList components and appears in the lower left of the page. It handles the display of the components and will display a loading screen when switching from SearchRadios to SearchResultList.

12.) SearchRadios

The SearchRadios component contains all of the fields for searching for classes. When the search button is clicked, the values from all of the fields are gathered into one object and sent up to SearchPanel.

13.) SearchResultList and SearchResultItem

SearchResultList is responsible for generating and displaying the SearchResultItem components. It takes the results passed by SearchPanel and generates a SearchResultItem for each result. Each SearchResultItem then generates a Modal to display more information about the class.

14.) ClassInfo

The ClassInfo component contains extended information about a course. It shows the description, meeting times, instructor, class capacity, students enrolled, and credits. It's put in the body of the Modal component.

15.) ShoppingCart

The ShoppingCart component appears inside the Cart tab located to the left of the Calendar. This component displays a list of courses that the student has in their shopping cart. If there are no courses a message will be displayed with that information. Clicking on a course will trigger a ClassInfo component. Clicking the 'Enroll' button will attempt to enroll the student in the selected courses. There can only ever be one ShoppingCart component.

Contributions

1.) Stephen Palagi
- a.) Helped with logic for Calendar creation
- b.) Created CourseButton component/did styling with Kevin Chan
- c.) Created AvailableModal component
- d.) Created Search/Results/Cart tabs as well as shopping cart
- e.) Hooked AvailableModal, CourseButton up to the database
- f.) Created and integrated ShoppingCart component
- g.) Integrated ClassInfo component with app
- h.) Made CourseButtons trigger ClassInfo components

2.) Kevin Chan
- a.) Co-created Calendar component with Stephen Palagi
- b.) Co-created CalendarBlock component Stephen Palagi
- c.) Setup react-router and migrated HTML from index.html to app.js
- d.) Fixed database errors and added fields when necessary
- e.) Responsible for the animation of AvailableModal
- f.) Made courses in AvailableModal component trigger ClassInfo w/ Stephen Palagi

3.) Nicholas Merlino
- a.) Compiled html code from each individual page into index.html to allow for easy transition to components
- b.) Created sidenav component

4.) Michael Gallant
- a.) Co-created important notices component with Joshua Silvia
- b.) Contributed to consolidating html into the single index.html file
- c.) Assisted in the inception of the sidenav component

5.) James Morris

       a.) Created Modal component
       b.) Created SearchPanel component
       c.) Created SearchRadios component
       d.) Created SearchResultList and SearchResultItem components
       e.) Created ClassInfo component

6.) Josh Silvia
       a.) Co-created important notices component with Michael Gallant