

## V04 Web Application Team Application Description

**\*\*Please insert these into the terminal to import.**

npm install react

npm install better-sqlite3

npm install express

To run the application, create two terminals

In one terminal run 'npm start' and the other run 'node server'

This application serves as the website for the "Sylvania International Convention Center" or SICC. The structure of the website centers around the tabs found at the top of the website which guide the user to different parts of the website. These tabs are managed primarily through TabManager.js which displays the tabs and changes the active state of the website when an individual tab is clicked. Each tab contains different aspects and features for the website. When the website is initially opened by the user, the active state of the page defaults to the home page.

**Home Tab:** The Home Tab takes the user to the website's Home Page which welcomes the user to the website. It is relatively sparse compared to the other tabs. It's source code is contained within Home.js

**Register/Login Tab:** In this tab, the user is directed to either create a new account for the website by registering or logging in with an existing account. To register, the user fills out a registration form which is contained within Registration.js. This form collects the user's proposed username and password as well as the first and last name associated with the account they are creating. Once the user submits this information using a button, their new account is added to the user table of the website's database. Similarly, logging in is also controlled by a form. It is contained with Login.js and collects the user's username and password. On submit, the form checks if username and password match with any user accounts already existing on the website's database. The user will be alerted to whether or not they have successfully logged into the website.

**Event Tab:** The events tab shows the user all of the events which will be held at the Sylvania International Convention Center. The events are contained within an array which fetches the event information from the website's database. The events are displayed in the form of a table and can be filtered by name using a search bar. The search bar collects the user's query and if their query is contained within the name of an event, that event will be displayed in a filtered table. If nothing is input into the search bar, the filtered table simply displays all events. Additionally, when the user is logged in, they can register events using a form similar to the one used to create an account. When registering an event, users will make the event's name, pick a date for the event to take place and select which tables they would like to use for the event.

**About Tab and Contact Tab:** The about tab simply provides the user information about the Sylvania International Convention Center. The Contact Tab gives the user contact information for SICC and links to its social media.

**Admin Tab:** The Admin Tab allows admins to login using a similar process to the one used for general user login, but with one key difference. The Admin Login process checks if the user is an admin or not before allowing them to continue into “Admin Mode”