Registration Management Project Milestone 1

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Project Proposal:

We (Kelly and Sabreen) propose the creation of a web application which would handle the registration of hundreds of attendees at a convention. The application would handle adding new attendees to the database by pulling information from the various forms on the web page. Users can also use a search bar to easily pull up information on each attendee by entering their name. We plan to implement an advanced search which would display information on attendees based on first name, full name, date of birth, or age group. Another function that will be available to users is a check in/check out feature. This feature will allow users to keep track of when attendees are checked in or out by displaying the date and time that the function is called. We are still unsure how to implement but will research over the coming weeks. This web application will continue to evolve and update. Kelly and I plan to allow for the usage of scanners to pull up information on an attendee as opposed to using a search bar.

A Basic Rundown:

When users open the application, they will see the homepage which has two columns. One column is reserved for new attendees and the other for pulling information from the database using a search bar.

The column for new attendees will have four buttons, each corresponding to the specific age group. Once the appropriate button is clicked, the user will be taken to a registration form for the desired age group. The user will enter the appropriate information and click submit. If the submission is successful, then a "Successfully Registered" message will appear on the page. If it was unsuccessful, a "Try Again" message will appear. This is to ensure that every attendee was successfully added into the database.

The column that would allow users to pull information from the database will consist of a search box for basic searches and an advanced search option. Once the submit button is clicked, the user will be taken to a page that will display all the information requested. Theoretically, each name would display as a link that, when clicked, would take the user to another page consisting of the attendee's full name, date of birth, and parent information. This page would have two buttons on it, a check in button and a check out button. When clicked, a function would be called that records and stores the attendee's full name as well as the time and date that the button was clicked. The purpose of this is to keep a record of when attendees leave and arrive. If the date and time was successfully recorded, the page would display a "Successful Check Out/In" message.

Site Map:

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                              ┌──────────────┐
                              │  Home Page   │
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        ┌──────────┬──────────┬──────┴───────┬──────────────┐
┌───────────┐ ┌───────────┐ ┌───────────┐ ┌───────────┐ ┌───────────────┐
│10yr Old Reg│ │11yr Old Reg│ │12yr Old Reg│ │13yr Old Reg│ │Search Results │
│   Form     │ │   Form     │ │   Form     │ │   Form     │ └───────┬───────┘
└───────────┘ └───────────┘ └───────────┘ └───────────┘         │
                                                          ┌──────────────┐
                                                          │Check In/Check│
                                                          │  Out Page    │
                                                          └──────────────┘
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