CSE 183 Project: Event Calendar Design Document
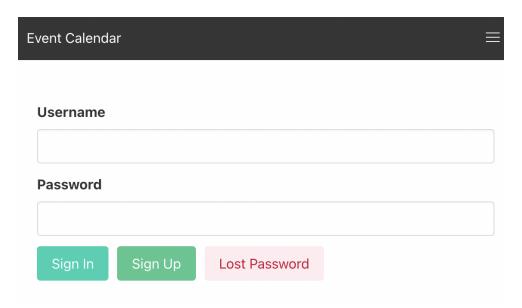
<u>Description</u>

This project implements an event calendar in which users can create, edit, and delete events that will show up on the selected calendar view on the main index page. The user can select from daily, weekly, monthly (default view), and yearly views. Users will be able to create an account, access their own calendar, view the scheduled events for the day/week/month, and search for their scheduled events by name. They will also be able to create/update/delete event details as needed. Users can also send invites to other users which will allow the latter to copy events to their own calendar. When a user invites another user to an event, that user receives an invite, which they access on their invitations page. On their invitations page, they can view all the invites they've received and accept them or decline them. If they accept them, that event gets copied to their calendar.
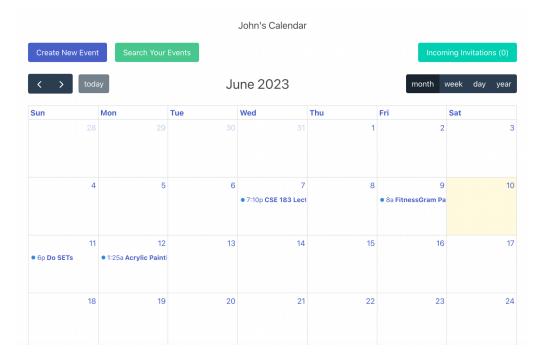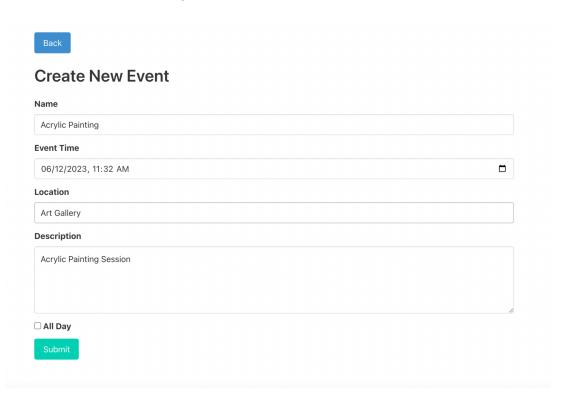
<u>Main Pages w/ User Stories</u>

A user can:

- create an account to keep track of one's own personal calendar
  - Login page:
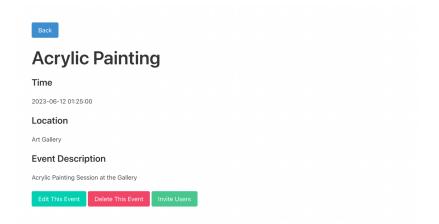

- view personal calendar with a day, week, month, or year view

John's Calendar

Create New Event   Search Your Events   Incoming Invitations (0)

‹ ›   today   June 2023   month week day year

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7 ● 7:10p CSE 183 Lect	8	9 ● 8a FitnessGram Pa	10
11 ● 6p Do SETs	12 ● 1:25a Acrylic Painti	13	14	15	16	17
18	19	20	21	22	23	24

- create an event with its own unique associated time/date/description
  - Event Creation page:

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Create New Event

Name

Acrylic Painting

Event Time

06/12/2023, 11:32 AM

Location

Art Gallery

Description

Acrylic Painting Session

☐ **All Day**

Submit

- view event details and update/delete events as needed
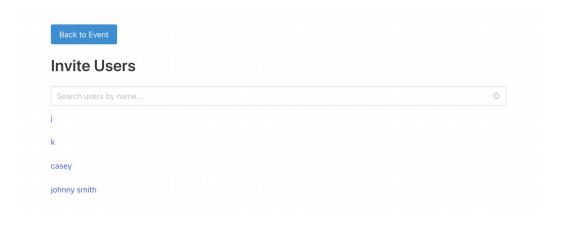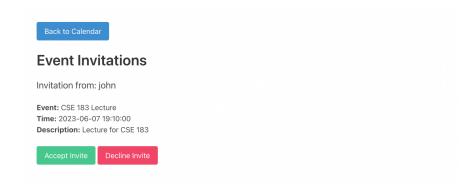 - Event View page (click on an event to see its associated name/description/time)

  Back

  # Acrylic Painting

  Time

  2023-06-12 01:25:00

  Location

  Art Gallery

  Event Description

  Acrylic Painting Session at the Gallery

  Edit This Event Delete This Event Invite Users

  - Event Edit Page

  ## Edit Event

  Name

  Acrylic Painting

  Event Time

  06/12/2023, 01:25 AM

  Location

  Art Gallery

  Description

  Acrylic Painting Session at the Gallery

  ☐ All Day

  Submit

- search for events by name
  - Event Search page

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  ## Search Your Events

  Search events by name...   ⊗

  Acrylic Painting

  CSE 183 Lecture

  Do SETs

  FitnessGram Pacer Test

- send invites to personal events to other users
  - User invite page

Back to Event

Invite Users

Search users by name...

j

k

casey

johnny smith

- accept or decline invites to share an event
  - View personal event invitations page

Back to Calendar

Event Invitations

Invitation from: john

Event: CSE 183 Lecture
Time: 2023-06-07 19:10:00
Description: Lecture for CSE 183

Accept Invite   Decline Invite

All pages are implemented server-side

Data Organization (databases)

- User Login Info (email, username, password)
- User Individual Events and Event Data (title, description, time, date)
- User event invitations (sender, recipient, event id)

Implementation Plan

Weeks 1-2

Get individual user pages setup, w/ ability to login, view personal monthly calendar page, provide demonstrable website functionality

Weeks 3-4

Weekly and daily views, individual events, user interface improvements, event functionality

Weeks 5-6

Implement additional features such as user invites to allow users to share events