

Team Name: MIB

Team Members: Britni Canale, Mohammed Jamil, Isaac Jon, Mohammed Uddin

Project Name: EventBlox

FEF: Bootstrap -- More familiar to us than Foundation

APIS: LocationIQ, Holiday, Weather, Traffic

### **Overview:**

Our project is a calendar app that allows users to plan tasks or events on specific days on the calendar.

- User can include many details like the date, time, location, and duration of the event, or tasks to be completed on a certain day.
- Users will be able to customize reminders that inform them about upcoming dates.
- Users can also add other users as friends to notify them of your public events, and allow them to RSVP

### **Component List**

Authenticator: Allows users to login and create account

Calendar: Allows users to create future events and add details such as time, location, etc.

Friends: Allows users to send friend requests to other users. If the other user accepts, both users will have the other added to their friends list

ToDo: A primary todo list will be displayed on the home page which details the tasks planned for that day (Larger display for the events on the calendar of “today”)

### **APIs**

Holiday: List of national holidays and their dates.

DarkSky: Displays predicted weather for specified date and location for an event

Traffic: Displays current traffic conditions based on specified location for an event

LocationIQ: Allows geocoding to get latitude and longitude values for use with DarkSky. Displays directions to an event.

### **Interactions**

Holiday and Calendar: Data about holidays can be added to the user’s calendar

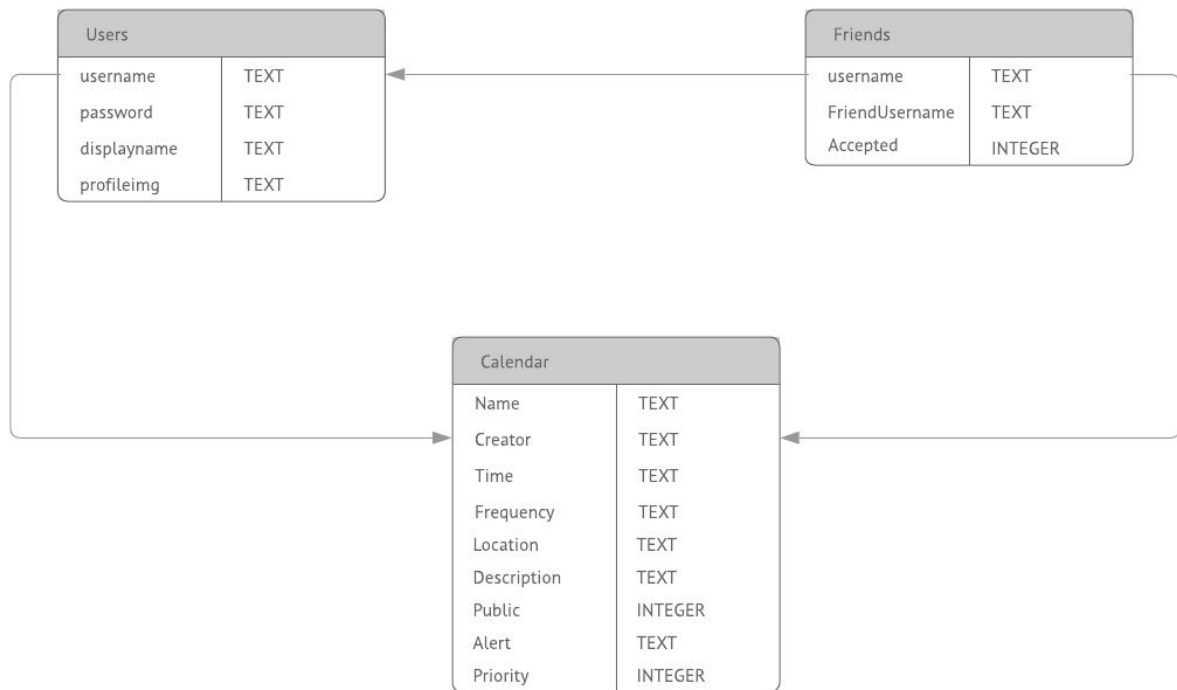
Friends and Calendar: A user can choose to make their events public, which will notify all of the user’s friends about the event.

### **Database Schema**

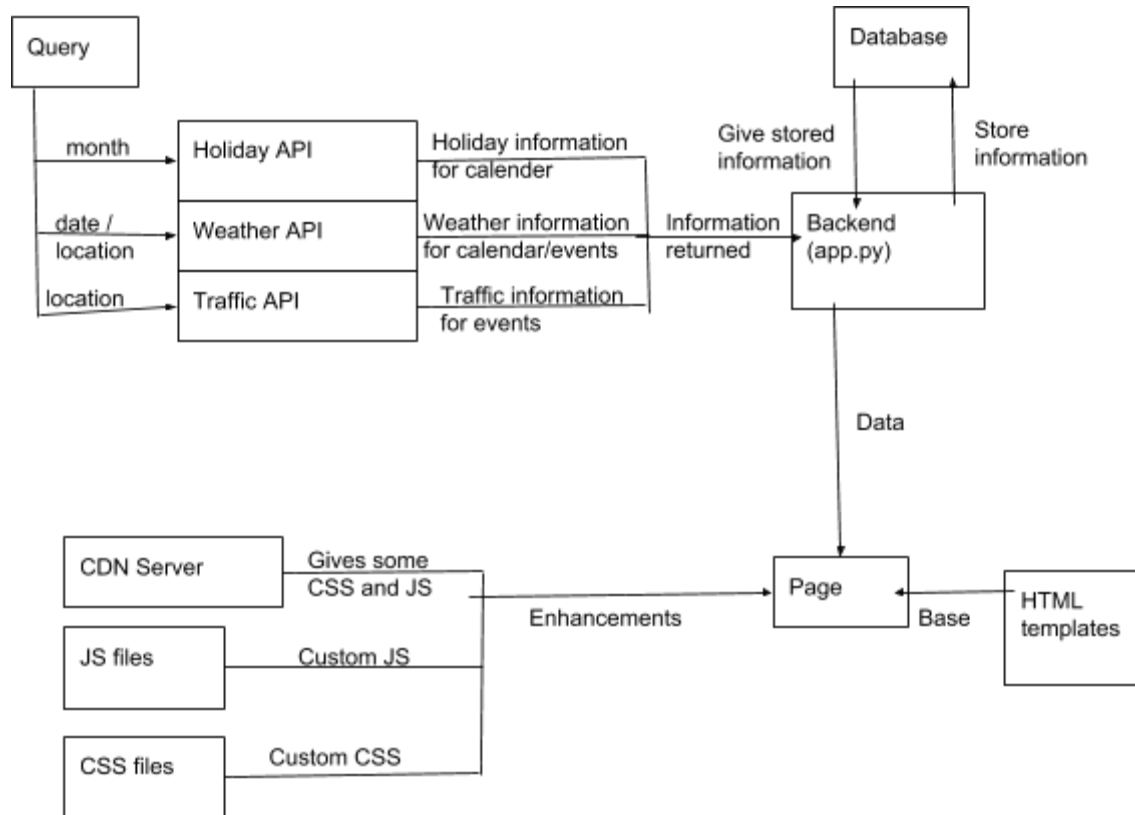
Explanation:

The users table stores information about the user, the user can change display name or profile image through the account settings page. The Calendar table contains the events user has created with additional data about those events(Alerts are reminders for events). Some of those fields such as location and description will be optional. The friends table contains pairs of friends with the username of the person sending the request in the username field and the friends username in the FriendUsername field. The accepted field is to store whether one user has

accepted the friend request of another, so, depending on its value the user will either see or not see the friend's events.

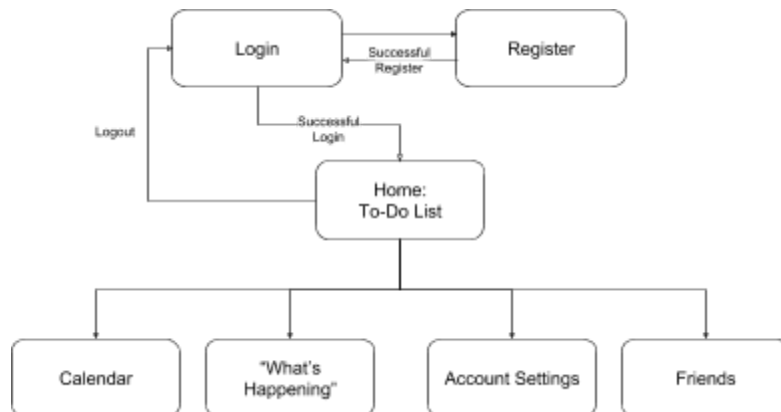


**Component Map: - (MU)**



JS will be used for previewing scheduled events in a day when you hover on that particular day on the calendar page, and a dynamic login/register page

### Site Map: - (Britni)



### Tasks:

- Front end
  - Javascript - ( Everyone )
  - Basic Html Layout - ( Britini )
  - CSS - ( Britini )

- Back end
  - Database stuff
    - Users, Friends, Calendar - ( MU )
  - Flask stuff
    - Calendar - ( MJ )
    - Root - ( Britini )
    - Login/Register - ( MU )
    - Social - ( Isaac, MJ, MU )
    - Account profile settings - ( Isaac, MU )
  - APIs
    - Holiday, Weather - ( MJ )
  - Util files
    - Fetching api data - ( MJ )

### **API Docs**

- Holiday: <https://holidayapi.com/>
- Dark Sky: <https://darksky.net/dev/>
- Traffic: <https://developer.mapquest.com/documentation/traffic-api/>
- LocationIQ: <https://locationiq.com/docs>