

EDSN CALENDAR
System Requirements
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Bits Please

Chukwuogor, Uka

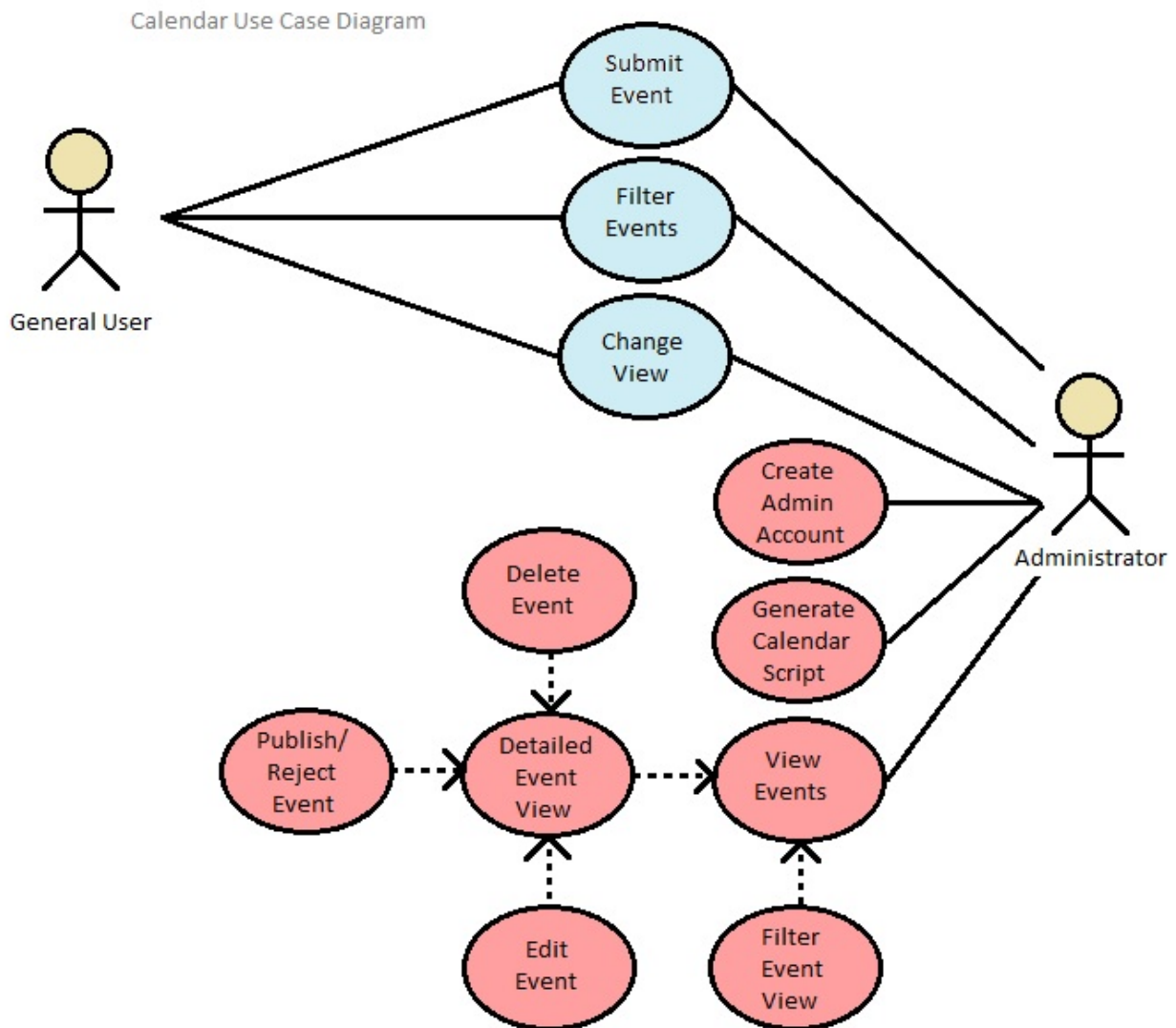
Klejmont, Tomasz

Mazurski, Christopher

Shahmarov, Eldar

1. NARRATIVE + USE CASE DIAGRAM

For the EDSN Calendar System Project, most of the requirements are for the Administrator, but both the administrator and the general user must be able to submit an event and filter existing events. Moving on from event submission, the administrator should be able to view all submitted events, and apply various filters to modify the view in the back-end. The Administrator should be able to see a detailed view of each event (which contains date/time, location, time zone, contact info, etc.) and edit these attributes as necessary. In addition, the administrator can “publish” an event and pass it on to the Google Calendar, and consequently delete an event if it’s determined to be spam. Finally, the Administrator can generate a configurable script with a customized header/footer that can be pasted into a webpage and form a Google Calendar. An administrator can also create new administrative accounts with different levels of privileges.



2. USER STORIES

1. As a user or administrator, I want to be able to add events to populate the community calendar
2. As a user, I want a filtering tool to simplify searching for events based on criteria such as interests, location, venue, etc.
3. As a user, I want a view changing tool that will allow me to view the calendar based on a monthly, weekly, or even daily schedule
4. As an administrator, I want an event view that will let me view all events currently stored in the database and allow me to filter them according to set criteria
5. As an administrator, I want a detailed event view that will allow me to modify any event and edit any of its attributes
6. As an administrator, I want an event delete option to completely remove an event entry from the database to prevent clogging with spam/unpublishable events
7. As an administrator, I want an event publishing tool that, after reviewing an event submitted by a user/administrator, allows me to either publish the event to the calendar or reject it and at the same time notify the user/administrator of a reason for being rejected
8. As an administrator, I want a script generating widget that will create a script for a filtered calendar with a customized header and footer that other users can embed in their own sites
9. As an administrator, I want an administrative account set up that allows me to create new admin accounts with different roles that have preset permission levels

3. PRE- AND POST-CONDITIONS

1.

Preconditions: All mandatory event information has been filled out on the form.

Postconditions: Event information has been passed to the database with pending approval status.

2.

Preconditions: All criteria relevant to the search has been selected.

Postconditions: The calendar only displays events that match the selected criteria.

3.

Preconditions: A desired calendar view is selected.

Postconditions: The calendar is displayed according to the selected view.

4.

Preconditions: Administrator level permissions. Filtering criteria selected (show all by default).

Postconditions: All events (published, pending, rejected) displayed based on filtered criteria.

5.

Preconditions: Administrator level permissions. All fields that need to be modified have had their data or selection replaced with a new one.

Postconditions: All edited fields for the event in question have been updated in the database to reflect the changes. Event displays the updated information in the calendar (if previously published).

6.

Preconditions: Administrator level permissions. Event/s to be deleted are checked off.

Postconditions: All data pertaining to checked off events has been removed from the database. Event is removed from the calendar (if previously published)

7.

Preconditions: Administrator level permissions. Submitted event has been fully scanned to make sure it complies with event submitting rules. The outcome decision has been selected.

Postconditions: Event status changes in the database. The event is displayed in the calendar (case: accepted). The user/administrator that submitted the event gets notified with a reason for rejection (case: denied).

8.

Preconditions: Administrator level permissions. All filter criteria selected. Optional: customized header and footer provided.

Postconditions: A script that would display the optimized calendar gets generated.

9.

Preconditions: Administrator level permissions. All mandatory information for creating a new account has been filled out.

Postconditions: A new entry in the database user table has been added. Introductory email with password reset sent to the email associated with new account.

4. BREAKING DOWN COMPLEX STORIES

1. No breaking down necessary.

2. No breaking down necessary.

3. No breaking down necessary.

4. No breaking down necessary.

5. No breaking down necessary.

6. No breaking down necessary.

7. No breaking down necessary.

8. Could potentially be broken down.

9. No breaking down necessary.

5. NON-FUNCTIONAL REQUIREMENTS

- The calendar should be visually appealing
- Ability to embed the calendar into any web environment
- The calendar should be user-friendly with self-explanatory features to accommodate even the least tech-savvy individuals
- The calendar should be up at all times with very limited maintenance downtime required
- All aspects of the final calendar (design and backend programming) should be open for self-help teaching and learning purposes
- The system should have open-access to the database

6. GLOSSARY

Event – a collection of attributes pertaining to a real life event that will constitute the main source of data to drive and populate the system

Calendar – a collection of events, serves as the main GUI component

User – an individual with access to only the front-end operations of the system

Administrator – an individual with full access to the front- and back-end of the system and all of its features, responsible for maintaining the integrity of the system

Role – a preset level of permissions to manipulate the back-end features

Publish – the action that allows a user submitted event to be visible in the calendar, can only be initiated by an administrator