

EDSN CALENDAR

User Manual

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Bits Please

Chukwuogor, Uka

Klejmont, Tomasz

Mazurski, Christopher

Shahmarov, Eldar

Specifications

- This system uses the Java EE platform to utilize Servlets, JavaServer Pages(JSP), and Glassfish Server
- Google Calendar API is used to implement the calendar
- Additionally, the Netbeans IDE is used to build and run the system locally

Installation

- Pull the Netbeans project source from the project Git repository
- With Netbeans, import the included jar files in the *libs* folder
- Permission from the Google API key holder must be granted before performing operations on the calendar
- Deployment is handled locally with Netbeans

Features

- Web-based UI using responsive web design for various screen sizes
- Backend account system with separate privileges
- Google Calendar Functionality: Published events display on an embeddable Calendar that can be integrated into a Google User's own schedule
- Users can submit Events from a web form to be reviewed by an administrator before publishing to the Calendar
- Event View: Divided into two tables that show all events in the database, and events that have yet to be published to the Calendar
- Events yet to be published can be deleted, and optionally a rejection email can be sent
- Published Events can be edited or deleted, and the change will reflect in the Calendar
- Basic event filtering
- A configurable "widget creator" that generates html code that can embed a copy of the main calendar on any page

Main Scenario Walkthrough

1. A typical web user submits an event they wish to publish to the community calendar, and this information gets sent to the database.

The screenshot shows a web browser window with multiple tabs. The active tab is 'EDSN Calendar'. The address bar shows 'localhost:46130/EDSNCalendar/frontpage.jsp'. The browser's search bar contains 'Google+'. The main content area displays a calendar for December 2016. A modal form titled 'POST YOUR EVENT' is centered on the screen, overlaying the calendar. The form contains the following fields and controls:

- Input field: 'Your full name (required)'
- Input field: 'Your email (required)'
- Input field: 'Event title (required)'
- Input field: 'Address (required)'
- Input field: 'City (required)'
- Input field: 'State (required)'
- Input field: 'Zip Code (required)'
- Dropdown menu: 'Select category: Education' (with a downward arrow)
- Date and time pickers: 'Start Date/Time: yyyy-mm-dd HH:MM:SS'
- Date and time pickers: 'End Date/Time: yyyy-mm-dd HH:MM:SS'
- Text area: 'Description (required - 100 character limit)'
- Submit button: A blue button labeled 'Submit'

The background calendar shows dates from Sunday, December 27, to Saturday, December 31, 2016. A specific event is visible on Monday, December 28, at 8:00am, titled 'Definitive testing'.

2. An administrator logs in and views all published/unpublished events in the database.

From here, they can perform the bulk of interactions with the Calendar, such as publishing, deleting, and emailing

The screenshot displays the EDSN-CAL Events management interface. The left sidebar contains navigation links: Dashboard, Events (selected), Settings, Users, and Widget Creator. The main content area is titled 'Events' and features a table of events. Each event row includes a checkbox for selection, an 'Approval needed' status, and columns for ID, start_date, start_time, end_date, end_time, summary, description, and location. Action buttons (Publish, Delete, Send Rejection Notice) are provided for each event. Below the table, there are 'Publish selected' and 'Delete selected' buttons. A 'Filter Events' section at the bottom allows filtering by Summary and Category, with 'Filter' and 'Cancel' buttons.

	id	start_date	start_time	end_date	end_time	summary	description	location	
<input type="checkbox"/>	27	2016-12-13	04:00:00	2016-12-13	05:00:00	Beers after presentation	Food and drinks	1433 East St, New Britain CT, 06053	Publish Delete Send Rejection Notice
<input type="checkbox"/>	26	2016-12-13	14:00:00	2016-12-13	16:00:00	Final Presentation	The day has come	1615 Stanley St, New Britain CT, 06053	Publish Delete Send Rejection Notice
<input type="checkbox"/>	28	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	Publish Delete Send Rejection Notice
<input type="checkbox"/>	29	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	Publish Delete Send Rejection Notice
<input type="checkbox"/>	31	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	Publish Delete Send Rejection Notice
<input type="checkbox"/>	32	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	Publish Delete Send Rejection Notice
<input type="checkbox"/>	33	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	Publish Delete Send Rejection Notice
<input type="checkbox"/>	24	2016-12-27	17:30:00	2016-12-27	19:00:00	Definitive Testtest2	Testing categories, email, other things	123 Stanley St, New Britain CT, 06053	Publish Delete Send Rejection Notice

[Publish selected](#) [Delete selected](#)

Filter Events

Summary Category [Filter](#) [Cancel](#)

	id	start_date	start_time	end_date	end_time	summary	description	location	isPublished	
	27	2016-12-13	04:00:00	2016-12-13	05:00:00	Beers after presentation	Food and drinks	1433 East St, New Britain CT, 06053	0	Detail Delete from calendar
	26	2016-12-13	14:00:00	2016-12-13	16:00:00	Final Presentation	The day has come	1615 Stanley St, New Britain CT, 06053	0	Detail Delete from calendar

- The administrator can proceed to make edits to an event that has already been published by opening up the event detailed view

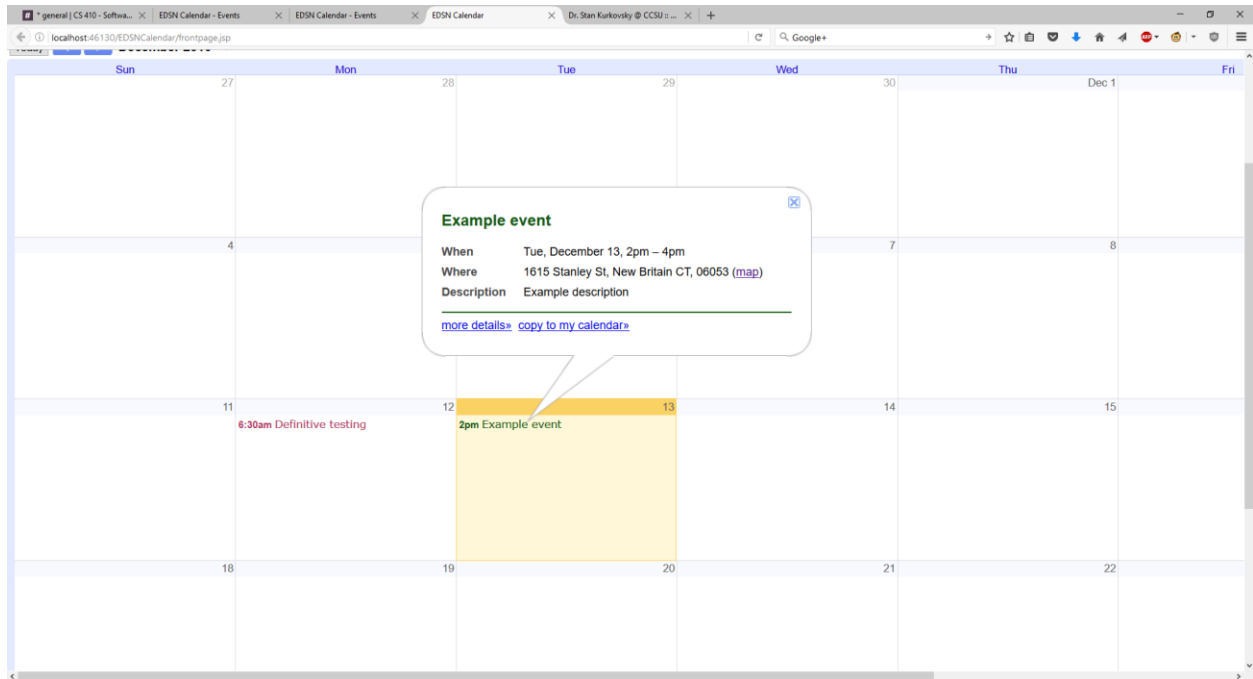
The screenshot shows a web application interface with a modal window titled "Detailed Event View" overlaid on a calendar table. The modal contains the following fields:

- Start Date/Time: 2016-12-13 14:00:00
- End Date/Time: 2016-12-13 16:00:00
- Summary: Example event
- Description: Example description
- Location: 1615 Stanley St, New Britain CT, 06053

A blue "Submit" button is at the bottom of the modal. The background table lists events with columns for ID, start_date, start_time, end_date, end_time, title, description, location, and isPublished. The table includes several rows of example events and two rows of events that have been modified or tested.

ID	start_date	start_time	end_date	end_time	title	description	location	isPublished
32	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	0
33	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	0
24	2016-12-27	17:30:00	2016-12-27	19:00:00	Definitive Testtest2	Testing categories, email, other things	123 Stanley St, New Britain CT 06053	0
28	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	0
29	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	0
30	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	1
31	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	0
32	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	0
33	2016-12-13	14:00:00	2016-12-13	16:00:00	Example event	Example description	1615 Stanley St, New Britain CT, 06053	0
21	2016-12-28	12:00:00	2016-12-31	10:00:00	Testing (This event was modified admin-side)	Testing categories, email, other things	123 Stanley St, New Britain CT 06053	1
22	2016-12-31	12:00:00	2016-12-31	13:00:00	Chris just changed this	Testing categories, email, other things	123 Stanley St, New Britain CT 06053	1
24	2016-12-27	17:30:00	2016-12-27	19:00:00	Definitive Testtest2	Testing categories, email, other things	123 Stanley St, New Britain CT 06053	0

4. Once an event is published, it can be visible on the calendar itself



Additional Scenario #1

By using the widget creator, an administrator/account holder can generate an embeddable calendar html code tag with configurable options such as header text color.

The screenshot displays the EDSN-CAL Widget Creator interface. The left sidebar contains navigation links: Dashboard, Events, Settings, Users, and Widget Creator (highlighted). The main content area is titled "Widget Creator" and includes the following sections:

- Widget settings:** Fields for "Header text" (EDSN Calendar), "Header text color" (#c52d2d), and "Header image url" (http://edsn.org/Portals/13/LogoEDSN01.jpg?ver=2013-08-19-075743-833). An "Options" section has an unchecked "Event add button". A green "Create widget" button is at the bottom.
- Paste this code onto your site:** A text area containing HTML code for embedding the calendar, including links to Bootstrap CSS and JS, and a Google Calendar embed frame.
- Preview:** A visual representation of the calendar widget. It features the EDSN logo and the text "Education for Development and Support Network" above the "EDSN Calendar" title. The calendar shows the month of December 2016, with days of the week and dates visible.

Additional Scenario #2

An administrator can visit the Users tab to create accounts and configure their permissions using the dropdown. Permissions include: View Only, Edit Events, Edit Users, and Full Access.

The screenshot displays the EDSN-CAL web application interface. The left sidebar contains navigation links: Dashboard, Events, Settings, Users (highlighted), and Widget Creator. The main content area is titled 'Create User' and includes a form with fields for 'username' (containing 'admin'), 'password' (masked with dots), 'Confirm Password', and a dropdown for 'View access only' (set to 'View access only'). A 'Create User' button is at the bottom of the form. Below the form is a table titled 'Users' with columns: Id, username, access level, and roles. The table lists four users: 'admin' (Id 1, access level 4), 'tomek' (Id 5, access level 4), 'tomek' (Id 6, access level 2), and 'test' (Id 7, access level 2). Each user's roles are listed as 'View Only', 'Edit Events', 'Edit Users', and 'Full Access' with checkboxes.

Id	username	access level	roles
1	admin	4	<input checked="" type="checkbox"/> View Only <input checked="" type="checkbox"/> Edit Events <input checked="" type="checkbox"/> Edit Users <input checked="" type="checkbox"/> Full Access
5	tomek	4	<input checked="" type="checkbox"/> View Only <input checked="" type="checkbox"/> Edit Events <input checked="" type="checkbox"/> Edit Users <input checked="" type="checkbox"/> Full Access
6	tomek	2	<input checked="" type="checkbox"/> View Only <input checked="" type="checkbox"/> Edit Events <input type="checkbox"/> Edit Users <input type="checkbox"/> Full Access
7	test	2	<input checked="" type="checkbox"/> View Only <input checked="" type="checkbox"/> Edit Events <input type="checkbox"/> Edit Users <input type="checkbox"/> Full Access