



uCal

Product Testing Instructions

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Introduction

People have very hectic lives, and current calendars are only good at doing a subset of things such as adding and removing events. In addition, when creating events with other people, it's difficult to find a common time to meet. People need a better way to keep track of all of the events going on in their life. Our application provides a way for people to find available times for others to meet, the ability to add and remove events, and much more.

System Requirements

Our application is web-based. For the web app, you need either Google Chrome version ≥ 46 , any version of Microsoft Edge, or Firefox (Quantum) version ≥ 57.0

Progressive Web Apps (PWA) - Android 4.3 or greater with the latest Chrome Browser or a Windows 10 machine with the latest Chrome Browser.

Test Setup

To start, the user needs to navigate to the application by visiting <https://ucal-purdue.herokuapp.com>. Each user is able to create a new account by typing their username and their password and then clicking on the "register" button.

Security

Our application uses secret-key encrypted JSON Web Tokens to pass authentication information from client to server over HTTPS rather than HTTP. When directed to http://, we automatically redirect to https.

Program Structure

Login Page

This page has the following functionality:

- Login through email/password
- Register
- Google Login

Calendar Page

This page has the following functionality:

- Display latest events
- Edit events for a calendar
- Share calendar with users
- Share calendar with groups
- Remove events

Groups Page

This page has the following functionality:

- Display groups
 - Group and group member emails
- Create a group
- Edit a group (search/add members via email)

Settings Page

This page has the following functionality:

- Display currently logged in user's:
 - email
 - id

Basic Operations

The following section covers some of the basic functionality for the application and how they are done.

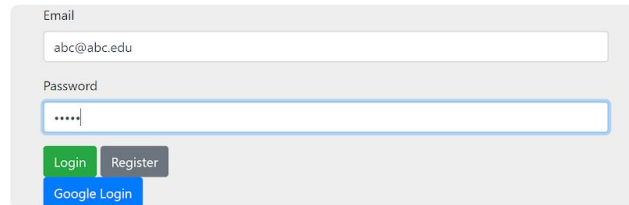
1. UI Navigation

All navigation across the application is handled with the mouse. There is a navigation bar at the top of all pages to switch between the calendar, groups, and settings, as well as to let you sign out.

2. Logging in

uCal Home Groups Settings

Log Out

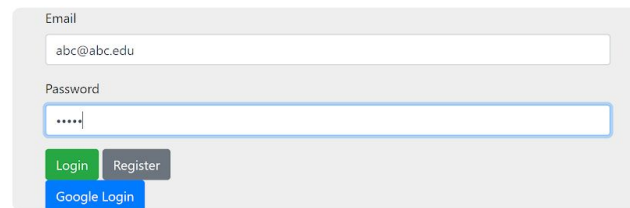
A screenshot of the login form in the uCal application. The form is a light gray box with two input fields: 'Email' and 'Password'. The 'Email' field contains the text 'abc@abc.edu'. The 'Password' field contains four dots. Below the fields are three buttons: a green 'Login' button, a gray 'Register' button, and a blue 'Google Login' button.

1. Navigate to /login
2. Type in a properly-formatted email and password
3. Click Login

3. Signing up

uCal Home Groups Settings

Log Out

A screenshot of the login form in the uCal application. The form is a light gray box with two input fields: 'Email' and 'Password'. The 'Email' field contains the text 'abc@abc.edu'. The 'Password' field contains four dots. Below the fields are three buttons: a green 'Login' button, a gray 'Register' button, and a blue 'Google Login' button.

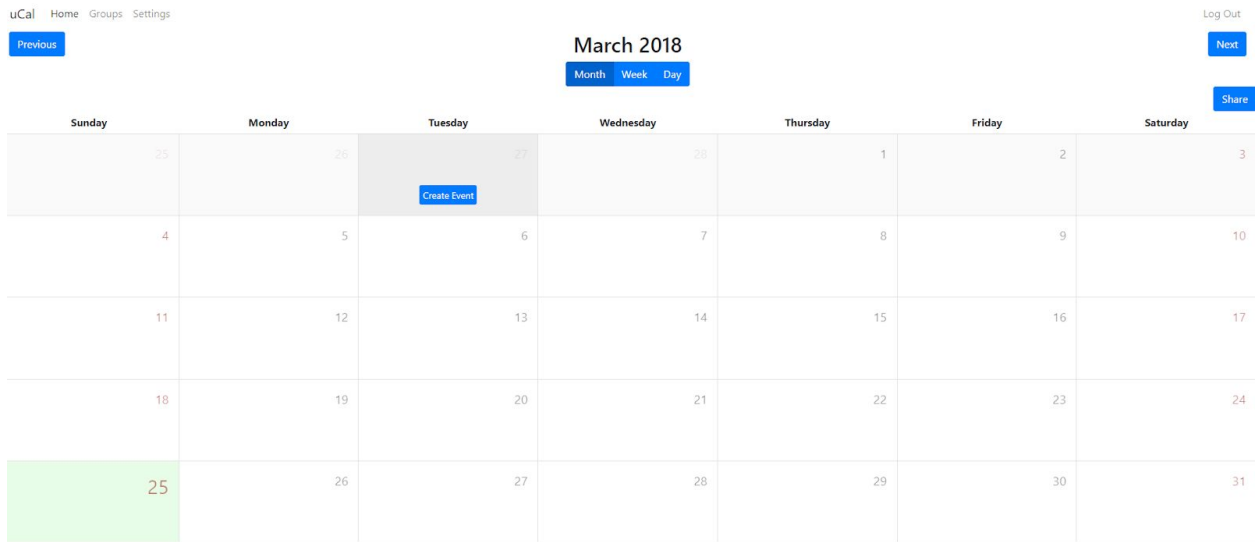
1. Navigate to /login
2. Type in a properly-formatted email and password
3. Click Register

4. Event Creation

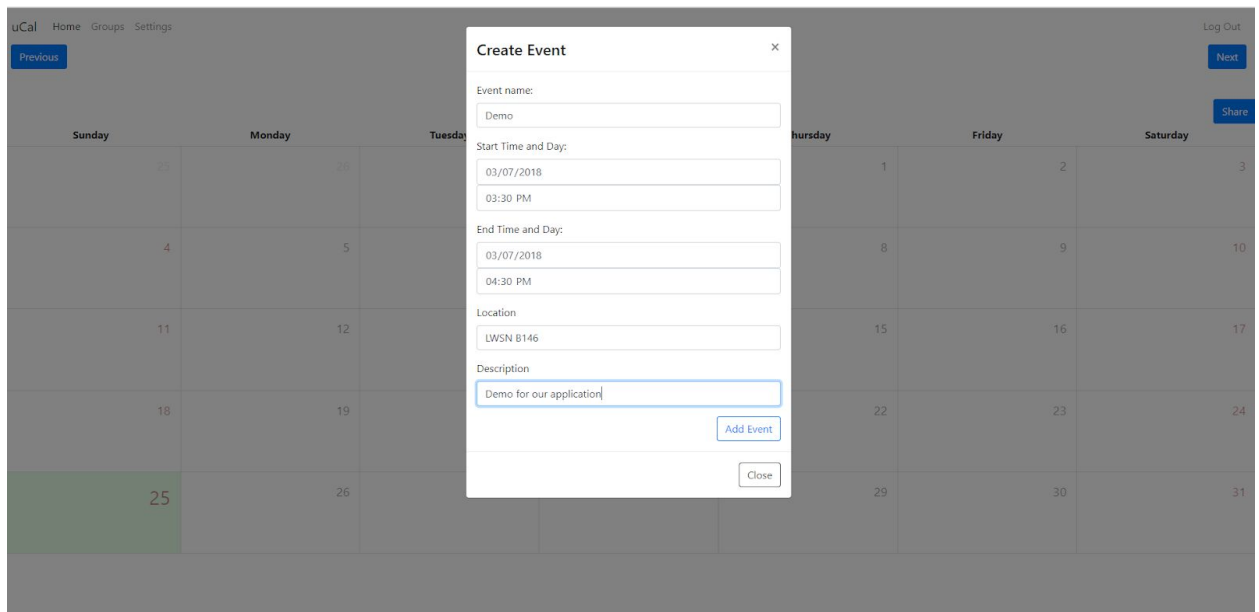
Creating a new event adds to a user's default calendar using a pop up box.

1. Go to the Home (Calendar) tab.
2. Click the Create Event button that appears when you hover over days on the calendar. (It does not matter what day you click this on but the

day that you do will be auto filled for the date)



3. Set all the information for the event. (the location and description are optional fields)

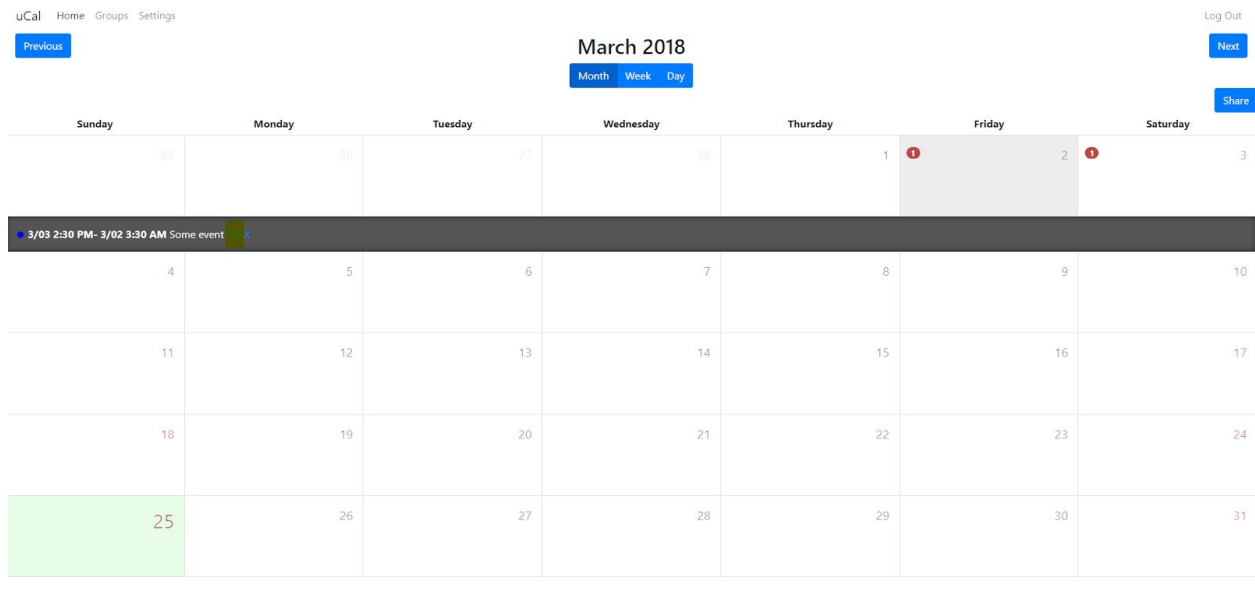


4. Click Add Event to save the event to the calendar.

5. Event Update

1. Go to the Home tab

2. Click on the day of the event



3. Click Edit

Create Event

×

Event name:

Start Time and Day:

End Time and Day:

✕ ↻ ▼

Location

Description

Update

Close

4. Hit Update

6. Group Creation

1. Go the Group tab
2. Click the {+} symbol on the right hand side

uCal Home Groups Settings Log Out

Group Name	Members		
<div>Group Invites:</div> <table><thead><tr><th>Group Name</th><th>Accept/Decline</th></tr></thead><tbody></tbody></table>		Group Name	Accept/Decline
Group Name	Accept/Decline		



3. Type the name of the group

Group Name	Members		
<div>Group Invites:</div> <table><thead><tr><th>Group Name</th><th>Accept/Decline</th></tr></thead><tbody></tbody></table>		Group Name	Accept/Decline
Group Name	Accept/Decline		

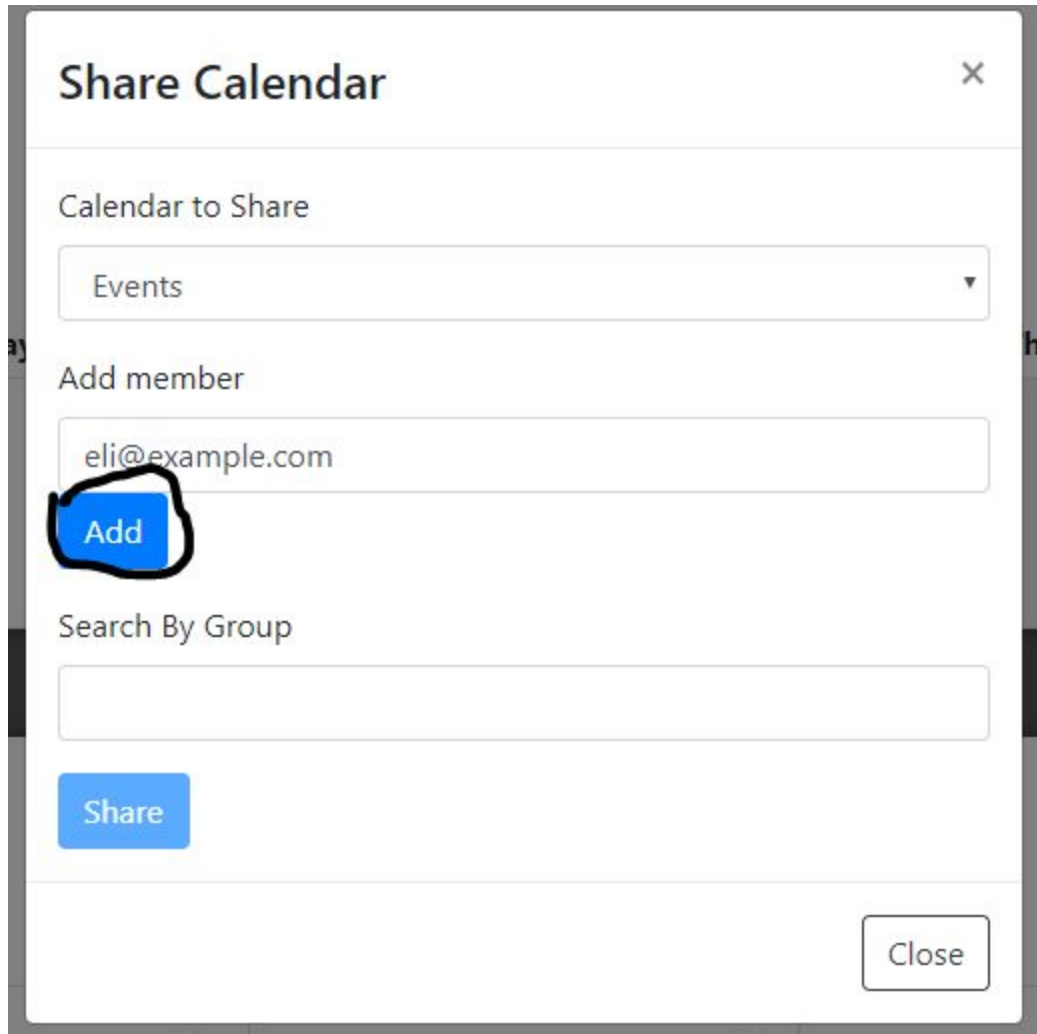
Save

4. Click the {Save} button

7. Sharing Calendars

1. Click on home page
2. Click the share button

3. Input members or groups you would like to share with.



The image shows a 'Share Calendar' dialog box with a close button (X) in the top right corner. It contains a 'Calendar to Share' dropdown menu with 'Events' selected. Below this is an 'Add member' section with a text input field containing 'eli@example.com' and a blue 'Add' button. The 'Add' button is circled in black. Underneath is a 'Search By Group' section with an empty text input field. At the bottom left is a blue 'Share' button, and at the bottom right is a 'Close' button.

Share Calendar

Calendar to Share

Events

Add member

eli@example.com

Add

Search By Group

Share

Close

4. Click Add

5. Click Share

8. Inviting people to groups

1. Click on Group

uCal Home Groups Settings Log Out

Group Name	Members
My favorite group	admin

Group Invites:

Group Name	Accept/Decline
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My favorite group

Members:

admin

Invite Member

Add Member

2. Type in name of members you want to add
3. Click Add Member
4. Click invite All button

9. Accepting/Declining Invites

1. Navigate to Groups page
2. Click Accept/Decline

uCal Home Groups Settings Log Out

Group Name	Members
My favorite group	admin

Group Invites:

Group Name	Accept/Decline
My favorite group	Accept Decline

3. If you clicked “Accept”, your group should appear on the groups list

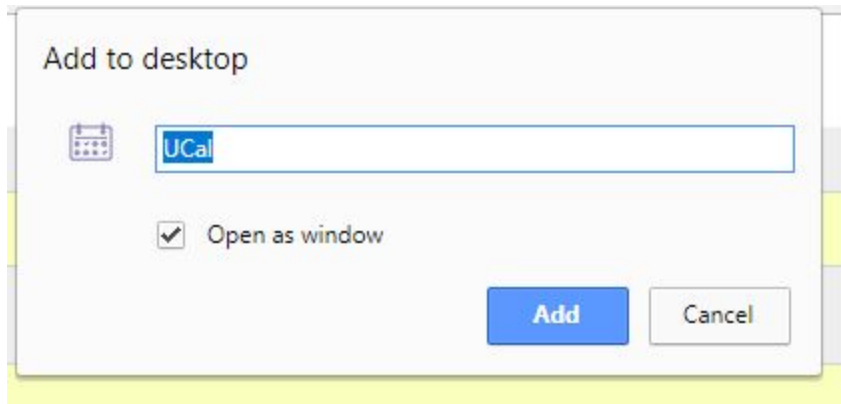
10. Installing Progressive Web App

1. Open your smartphone/Windows 10 Chrome browser to <https://ucal-purdue.herokuapp.com>
2. Go to your settings bar



3.

Select “Add to desktop...” on Windows 10, select “Add to Home screen” on Android



4. Click “Add”