

Myaamia Lunar Calendar

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Overview

The Myaamia Calendar application is split up into two distinct sections: the admin page for generating calendars and the production calendar to be viewed by general users. These pages are designed to be responsive to many different types of devices.

Admin Page

The Admin page is used to generate new calendars based on the lunar mapping algorithm. This page contains 3 input fields. The first is a date box that allows a user to choose the start date for the calendar. The second input field is a set of radio buttons to specify if the year contains 12 or 13 months. The final input field is another set of radio buttons to specify if the first month contains 29 or 30 days. Once all input fields have been set the user can press the generate calendar button to create a potential calendar.

After pressing generate calendar, the page will refresh to display the new calendar. Once this calendar is determined to look as expected the publish button in the top right corner can be pressed to replace the current production calendar.

As of 4/30/17 the Admin page can be viewed at

<http://ceclnx01.csi.miamioh.edu/~annekent/capstone/Myaamia-Lunar-Calendar-App/>

Production Calendar

The production calendar is the live instance of the most recently published calendar. This calendar includes both the Lunar and Gregorian dates for the entire year. Additionally, all Myaamia Tribe events are pulled from a Google Calendar instance. The calendar also includes a graphical depiction for each of the phases of the moon. A third party library is used to keep track of the moon's cycles, but the moons can be manually set by using a reserved event name, such as "Beginning of napale" or "Beginning of waawiyiisita", when creating the event. Moving the cursor over an event on the calendar will display the description for the event from Google Calendar.

The calendar displays the days of the week and month written in the Miami-Illinois Language. More information about research into the calendar as well as the language used in the application can be found by clicking the Research button in the top right.

As of 4/30/17 the Production page can be viewed at

<http://ceclnx01.csi.miamioh.edu/~annekent/capstone/Myaamia-Lunar-Calendar-App/prod/#>

Adding the Application to Phone Home Screen

While native applications for iOS and Android do not currently exist, the calendar can be added to the home screen of a cell phone to function in largely the same manner.

iOS

1. Navigate to the current production instance of the calendar located at <http://ceclnx01.csi.miamioh.edu/~annekent/capstone/Myaamia-Lunar-Calendar-App/prod/>
2. Locate the browser bar at the bottom of the page (where the go-back and go-forward buttons are located)
3. Click the middle icon that resembles an arrow out of a tray.
4. Find the button labeled “Add to Home Screen” and click on it.
5. Press the home button and verify that the calendar appears alongside other applications.

Andriod

1. Navigate to the current production instance of the calendar located at <http://ceclnx01.csi.miamioh.edu/~annekent/capstone/Myaamia-Lunar-Calendar-App/prod/>
2. Press the internet option button located on the navigation bar at the top of the page.
3. Find the button labeled “Add to Home screen” and click on it.
4. Press the home button and verify that the calendar appears alongside other applications.