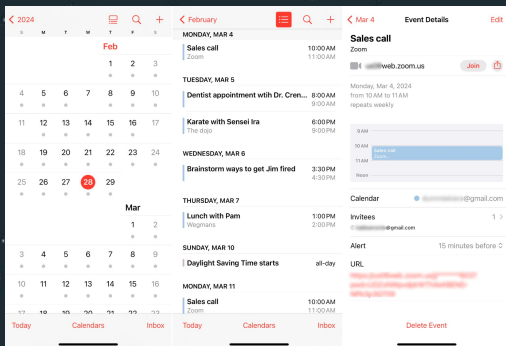# Cosmic Calendar

Scheduling events for NASA missions

- Convert times and dates across celestial bodies
- Intuitive, user Friendly design
- Account for other languages
- Accessibility Options
  - Command Line Interface and dictation
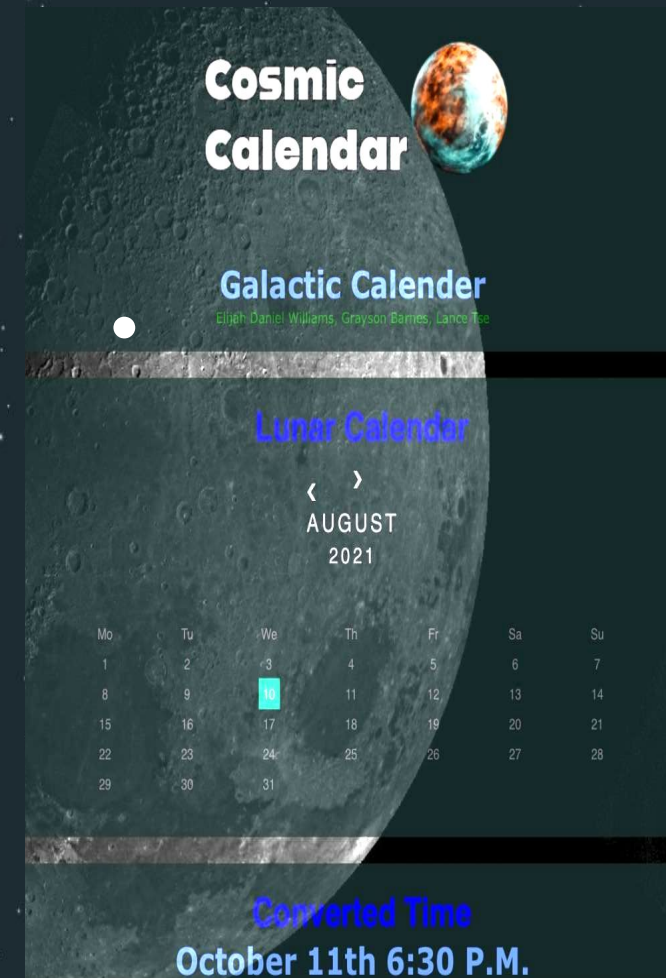- Create new celestial bodies

Development

```
let months = [ "January", "February", "March", "April", "May",
var month = getInput(want: "month", Question: "What month is it
if let holder = Int(month){
    let monthValue = holder - 1
    let convertedMonth = months[monthValue]
    month = String(convertedMonth)
}
let day = getInput(want: "day", Question: "What day is it?")
let year = getInput(want: "year", Question: "What year is it?")
print("It is " + month + " " + day + " " + year)
```

From remote terminal, or github editor, creating Java calendars

Gregorian Calendar

Date:	2024	October	29
		Leap year	
Time:	00 : 00 : 00		
Weekday:	Tuesday		
	Calculate		

```
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (6/6), 497.72 KiB | 5.08 MiB/s, done.
From https://github.com/danielcomputerscience/danielcomputerscience.gith
   443a5ba..bd2a828  main         -> origin/main
Updating 443a5ba..bd2a828
Fast-forward
 img/Simple Calendar.PNG    | Bin 0 -> 244150 bytes
 img/Welcome Page Nasa.PNG  | Bin 0 -> 228448 bytes
 img/time.PNG               | Bin 0 -> 38878 bytes
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 img/Simple Calendar.PNG
 create mode 100644 img/Welcome Page Nasa.PNG
 create mode 100644 img/time.PNG
elijah-williams@codermerlin:~/www/NASA/danielcomputerscience.github.io$
/usr/local/bin/emacs index.html
```

Cosmic Calendar

Galactic Calender
Elijah Daniel Williams, Grayson Barnes, Lance Tse

Lunar Calender

‹ ›

AUGUST 2021

Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Converted Time
October 11th 6:30 P.M.

Elijah Williams Lance Tse
Grayson Barnes
Cosmic Systems

Sources

NASA images
Period and length of rotation for celestial bodies of Solar System
Basic Physics Principles such as period of an object, and speed of light
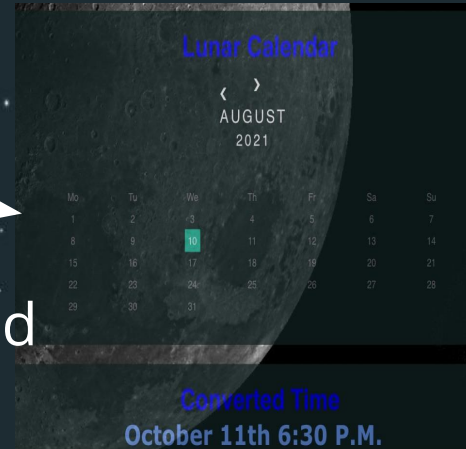
Top Moon Questions

NASA Images

NASA has always told its story through its images, a few of which have become icons of human history.
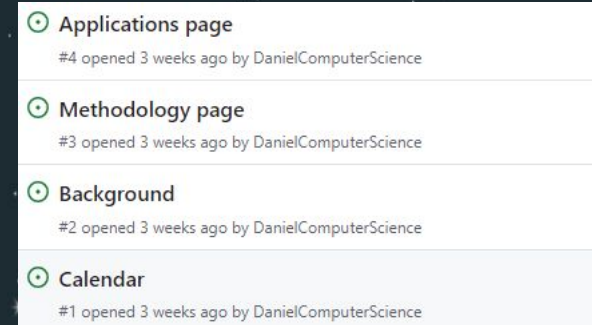
Graphical User Interface

Select Date

Converted Date

Lunar Calendar
‹ ›
AUGUST
2021

Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Converted Time
October 11th 6:30 P.M.

Link

Command Line User Interface

```
What month is it?
10
What day is it?
29
What year is it?
2024
It is October 29 2024
What celestial body do you want the calendar of?
Moon
Waning Cresent 2024
```

Work

⊙ Applications page
#4 opened 3 weeks ago by DanielComputerScience

⊙ Methodology page
#3 opened 3 weeks ago by DanielComputerScience

⊙ Background
#2 opened 3 weeks ago by DanielComputerScience

⊙ Calendar
#1 opened 3 weeks ago by DanielComputerScience

📄 NASA Hunch Research

Research

For calendar use the Earth utilizes a calendar incorporating its period, and rotation cycles. These two cycles are called the year and day respectively. For creating a calendar according to other celestial bodies, it would be useful to know this information.

Mercury	Venus	Earth	Mars	Jupiter	Saturn	Neptune	Uranus
58.65 days	243 days	1 day (23.94 hours)	24.6	1.03 days	0.411 days	0.427 days	

E You opened · Oct 28, 2024

GitHub Projects
Create milestones and assign and complete task

SMS Text/ Emails

Google Docs