

The main purpose of the calendar is to handle it like an agenda for scheduling dates. the calendar will be handled in two cases:

1. Users are able to create a schedule (create an event) in the day, current day or in a future day (it could be in the week, month ) because of it I need three views: day, week and month of year.
  - a. When a visitor is navigating in the month or week and selects a specific day, the calendar should show the view for the day in order to select a specific hour (the intervals should be every 30 minutes, it is two events in one hour).

for example if you click in the 6th day:

January 2021						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	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	1	2	3	4	5	6

show the view day.

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Today

January 6, 2021

Month

Week

Day

	Wednesday
all-day	
6am	
7am	
8am	
9am	
10am	
11am	
12pm	
1pm	
2pm	
3pm	
4pm	
5pm	
6pm	
7pm	
8pm	
9pm	
10pm	

the view of week.

Jan 3 – 9, 2021							
	Sun 1/3	Mon 1/4	Tue 1/5	Wed 1/6	Thu 1/7	Fri 1/8	Sat 1/9
all-day							
6am							
7am							
8am							
9am							
10am							
11am							
12pm							
1pm							
2pm							
3pm							
4pm							
5pm							
6pm							
7pm							
8pm							

- b. When a visitor clicks on a specific schedule the calendar should show a pop up to write some data like name and phone number. Also the popup should have a CTA (button to save the data).
  - c. Once the visitor finishes writing they should be able to click on Save button. so the CTA will send this data (including the date-time: `2024-03-01 15:30:00`) to the backend, but it is my work, I'm going to implement the back end.
  - d. Only one case should be handled like admin, it is the user admin could be selects all-day then the calendar automatically should collect all the intervals of time from 6am to 11pm where every 30 minutes is an event or element in the array [`'2024-03-01 06:00:00'`, `'2024-03-01 06:30:00'`, `'2024-03-01 07:00:00'`, `'2024-03-01 07:30:00'`,...,`'2024-03-01 11:00:00'`, `'2024-03-01 11:30:00'`]. Also the calendar automatically should be block all day don't letting the user select events for this day.
2. When the calendar be rendered, it should show all schedules created previously in the day or if the user is showing a day in the future the calendar should show all schedules created until that moment for this day, all schedules created will be getted via SQL and injected to the calendar in a way of array of strings or dates-time or vis setter. So your scope is only to let the calendar receive an array of schedules, which is what I mean when I talk about groups of schedules.
  - a. When a day has schedules previously created, the calendar should block these cells, it is don't let the user create an event for this hour.

1. Group schedules - what does it mean?

I just need to pass a group of schedules in a day via an array of strings or date-time.

2. Can you send example of SQL data, which you will use to fill calendar with events?

I don't have an example but you can consider an array similar to:

```
['2024-03-01 15:00:00', '2024-03-01 15:30:00', '2024-03-01 16:00:00', '2024-03-01  
16:30:00']
```

3. Please, describe how it should work in generally. For example, you as admin of site can import schedule events with SQ and visitors of site can just see schedule and can't edit it? That is, I am interested in the logic of the calendar as a whole. In other words, what is the purpose of implementing such a calendar on the site?

I previously described but if it is not understandable please let me know.