

DAR Report

Hubba - Calendar Integration

Version 1.1

Prepared By: Development Hell

Class: CECS 491-04

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Github Repository:

<https://github.com/DevelopmentHellaHell/SeniorProject>

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Revision History

| Version | Overview | Date |
|----------------|----------------------------------|-------------|
| 1.0 | Initial DAR report | 12/10/2022 |
| 1.1 | Adjudicated feedback from client | 12/12/2022 |
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Decision

The following options will be considered as options for the calendar system used within the application for scheduling bookings.

- 1. FullCalendar.io version 5.11.3**
 - a. Calendar service provided by FullCalendar and community contributors
- 2. tui.calendar version 2.1.3**
 - a. Calendar service provided by TOAST UI
- 3. Big Calendar version 1.5.2**
 - a. Calendar service provided by Jason Quense and community contributors

Analysis

| Metrics | FullCalendar.io | tui.calendar | Big Calendar |
|---|--|--|---|
| Pricing/Licensing (x 1.0) | Free/MIT 1 | Free/MIT 1 | Free/MIT 1 |
| Event detail expansion on user interaction (x 1.2) | Unavailable 1 | Available 2 | Unavailable 1 |
| Styling for different events or types of booked/available listings (x 1.0) | Full Styling: -Parent element -Child element -Font 2 | Full Styling: -Parent element -Child element -Font 2 | Partial Styling: -Parent element -Font 1 |
| Day Click Options (x 1.0) | navLinks and navLinkDayClick 2 | No specific day click interaction 1 | Click only to change view 1 |
| Different Types of View for Display (x 1.0) | -Monthly View -DayGrid View 2 | -Monthly View -Weekly View -Daily View 2 | -Monthly View -Weekly View -Daily view (not preset) 1 |
| Interactivity options for Host, Personal, or Renter User (x 1.0) | -Resizing -Click and Highlight -Drag and Drop -Pop Ups -Date Navigation 3 | -Resizing -Drag and Drop -Pop Ups -Date Navigation 2 | -Click/Select -Drag and Drop -Date Navigation 1 |
| Able to change format to List View for Rental History (x 1.2) | Yes 2 | No 1 | No 1 |
| TOTAL (highest number is better) | 13.6 | 11.4 | 7.4 |

Recommendation

Based on the analysis above, FullCalendar.io is the best option to satisfy our application and feature's needs. In the case that changes to FullCalendar.io would affect our implementation, tui.calendar would be our next best option.

References

- Ahn, D. (2022, July 4). Tui.calendar/theme.md at main · NHN/tui.calendar. tui.calendar Theme. Retrieved December 10, 2022, from <https://github.com/nhn/tui.calendar/blob/main/docs/en/apis/theme.md>
- Daineka, P. (2022, November 17). Top javascript calendar plugins. Flatlogic Blog. Retrieved December 8, 2022, from <https://flatlogic.com/blog/top-javascript-calendar-plugins/>
- Documentation. FullCalendar. (n.d.). Retrieved December 10, 2022, from <https://fullcalendar.io/docs>
- Olakunle, O. (2022, February 5). 15 best javascript calendar libraries. Dunebook. Retrieved December 8, 2022, from <https://www.dunebook.com/best-javascript-calendar-libraries/>
- ThemeSystem. FullCalendar. (n.d.). Retrieved December 10, 2022, from <https://fullcalendar.io/docs/themeSystem>