CSC309 individual proposal

Name of my library: Calendar.

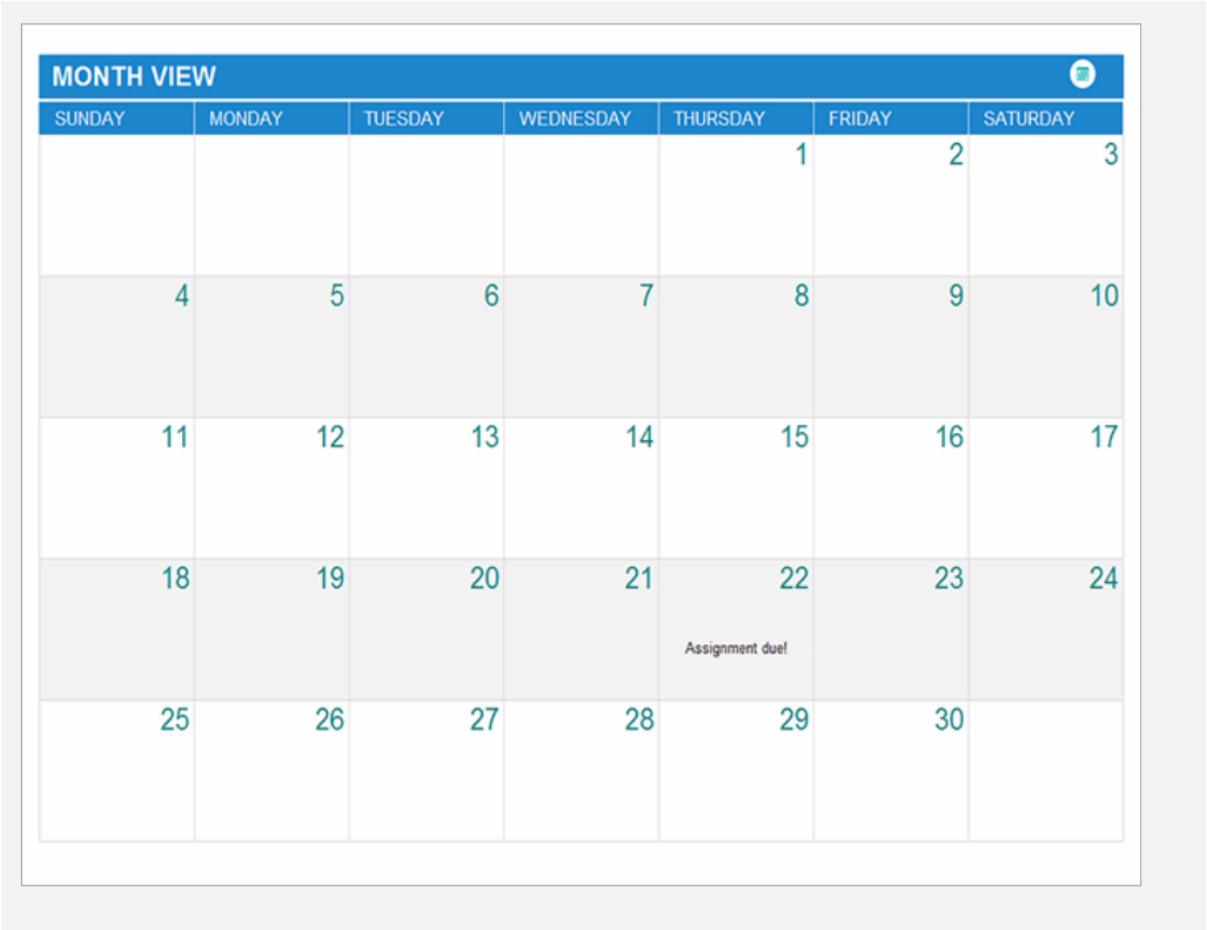
In this paragraph, I will introduce the main functionality of the Calendar library and some of my initial ideas of the reason why people need this library. Nowadays, students and white-collar workers need to deal with a large number of works and assignments. It is exceedingly easy for them to forget some essential due dates. Some would make physical notes for important ceremonies and assignment due dates. But apparently, this is inefficient and time-consuming. Here I introduce my javascript library to help them solve this problem. This is a javascript library for individuals to help them easily create their own calendar. **For end-users**, they can add assignment due dates on a well-created calendar on the web page by clicking that grid and typing in that grid directly. This online calendar can store these notes on the corresponding date grid and help to remind them to do their work early. Once they finish their work, they can cross out this assignment from the calendar. They can also jump to any year- month to check whether a specific date is a weekend. Users can also drag event cards into the grid (i.e. weekly due assignments). **For developers**, this library helps them to create easily modified calendars within several lines of code. They can add, delete and modify notes in any grid in any calendar by using this library. If any website needs to insert a calendar on which can add notes, developers can use this DueDateCalendar library directly. Developers can specify this calendar's size, colour and hovers etc in built-in functions.

In this paragraph, I will explain the balance between specific and general uses of the Calendar library. **For the specific case of this library**, (as was described above), one of the examples is that individuals can create their own due date calendar to help them manage time. They can use the mouse to drag posts into a grid or change the appearance of their own calendar. **For general uses of this library**, developers can insert a calendar into any website they made. And they can use this library to modify; add; delete; search for specific notes in their calendar by using well-programmed functions. This library will be extendable in the future for any further functionalities dealing with calendars. Also, functions in this library can help add/delete several pieces of innerTEXT easily in any form of charts and div/li chunks.

In this paragraph, I will show some specific use cases for web apps where the Calendar library can be useful for developers. The first one is the Microsoft Student assignment planner. By using this library, front-end users will be able to modify, delete, and add chunks of information into data grids by clicking and typing directly. Developers will be able to do the same thing in the backend using simple functions. It would also be easier for both front-end users and backend developers to locate which date they wish to modify. For example, parameters (2020, 2, 4) will indicate

Feb 4th of 2020 and they can locate to that chunk directly. The second one is the Blogs calendar. Individuals can use this library to add a calendar at front page of the main webpage. Individuals will be able to locate to any blog they wrote in a specific date by cliking. Developers can add a calendar winthin a few lines of code. The third one is Quercus calendar. Developers can use this library to implement any school's assignment calendar. It is easy, safe and more good looking.

I found several app interfaces. These images only serve the purpose for helping TAs to better understand what I wish to make. I do not 100% guarentee any same functionalities in these web apps / windows apps.

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