

Home

Contrib: Attendance



LTI Attendance Tool

For information on an LTI Attendance tool recently developed by Texas State that incorporates many of the features listed below, please go see their github page. <https://github.com/txstate-etc/attendance>



Native Attendance Tool









For information on an Attendance tool recently developed by the University of Dayton that incorporates many of the features listed below, please go see their github page. <https://github.com/UDayton/attendance>

Purpose

We are putting together some specifications and designs for a new tool that will track student's attendance. The idea is to have a simple table that lists each day the class meets where a teacher can insert in attendance records for each student. I've heard there's been some interest in the community for a tool like this and it would be great to get the community involved. I'm hoping to get input from everyone about any ideas or features they'd like to see. Also, any collaboration with design, UI, or internationalization would help a lot.

Suggested Features

Please add additional features, but do not remove any.

Task List	
<input type="checkbox"/>	Show a listing of dates (similar to a calendar, but in a spreadsheet-like format, rather than a monthly calendar-style view, and with the students names listed in one column on the left) 
<input type="checkbox"/>	Have the ability to select only certain days of the week for viewing as the default for a particular site (for example, Mondays and Wednesdays only, if it is a M-W class) 
<input type="checkbox"/>	Enter an attendance mark for each student for each date the class meets, such as P (present), A (absent), T (tardy), E (excused), H (holiday), etc. ability to assign numeric values 1 or 0 for present or absent etc 
<input type="checkbox"/>	Listing would be sortable by name, or specific date column 
<input type="checkbox"/>	Students displayed could be filtered by group or section 
<input type="checkbox"/>	Allow faculty to export and/or print the attendance data for offline-line record keeping if needed 
<input type="checkbox"/>	Allow students to access the tool and view ONLY their own attendance data for that class 
<input type="checkbox"/>	Faculty had a place where they could define the start and end dates of class for that term
<input type="checkbox"/>	There were a way to tabulate the number of absences per user and record it somewhere easily visible to faculty and students
<input type="checkbox"/>	The instructor could choose to assign points for attendance, and this data could be (optionally) linked to the gradebook to give an overall attendance score (bryan note: good way would be to set weight value to attendance marking aka present = 1, tardy = .8, absent = 0) 
<input type="checkbox"/>	Ability for instructors to deducts points for absence (no points for attendance but if they miss a set number of classes they will lose a set amount of points from their total points)

▼	<input type="checkbox"/>	Convenient API for writing meetings and for reading student attendance marks from other applications.
▼	<input type="checkbox"/>	It would be nice if students could mark their own attendance since many students have their own laptop/mobile device that can access the site (restricted IP, ect)
▼	<input type="checkbox"/>	If the instructor is marking off a whole list, rather than having to click in a cell and then type a letter, maybe just a quick 'click' onto the cell to mark them as present. Multiple clicks could toggle through the list of options perhaps.
▼	<input type="checkbox"/>	The list of options should be configurable. Some courses might only need 'present' or 'absent', some might need more
▼	<input type="checkbox"/>	The option to default everyone to present and then mark them as absent. It's easier marking off 2 or 3 absent students, than 47 or 48 present students (assume 50 students in a class)
▼	<input type="checkbox"/>	Tabulation of absent days definitely.
▼	<input type="checkbox"/>	Integration with profile pictures so instructors can see the students by face rather than only by name
▼	<input type="checkbox"/>	For each class session, the instructor should be able to specify the number of times each student is required to sign in. (aka twice in 1 day for long classes)
▼	<input type="checkbox"/>	The instructor must have the option to allow a specific number of unexcused absences without penalty.
▼	<input type="checkbox"/>	Capability to take attendance by a TA or second instructor
▼	<input type="checkbox"/>	have ability to pull in photos from the roster tool so instructor or TA can take attendance visually
▼	<input type="checkbox"/>	make tool section and group aware
▼	<input type="checkbox"/>	list roster and section in export file
▼	<input type="checkbox"/>	What may be useful here are drop-downs from which you could choose the attendance marks
▼	<input type="checkbox"/>	Since most students are usually present, maybe the layout could default to P (present) (or whatever default the user chooses)
▼	<input type="checkbox"/>	be nice if things like holidays could be populated from a university calendar
▼	<input type="checkbox"/>	A way to take attendance for online courses
▼	<input type="checkbox"/>	The UI may be interesting if it displayed the name and profile picture that could be 'dragged' to the "trash" if not present.
▼	<input type="checkbox"/>	We can showcase the Attendance in graphical format to Students because Student will have only view permission. As per faculty, there can be links to see the add or update the attendance
▼	<input type="checkbox"/>	I hope attendance tool is required to use in the places of 1) Where classes are going on regularly / in parallel days / on specific dates 2) Where faculty interacts with students directly. For example, 1) Faculty teach a class to student through Big Blue Button. Faculty can have option to integrate with other tools so that faculty don't need to tick attendance for eachone separately. For suppose, Faculty wants make attendance present to students 1) Once they join as part of online class through Big Blue Button. 2) Faculty can view that who visited the course through Statistics tool, so we can say once student clicks on tool then we can make attendance as presence to him.

Contributors

Please sign up if you are interested in contributing any effort towards this project. Specify your interests.

Interest include: Analysis, Design, Frontend Coding, Backend Coding, Documentation, Testing, Internationalization

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Design Gallery

Attendance

Options Export Print

Name	Mon (1/21)	Tue (2/1)	Wed (2/2)	Mon (2/7)	Tue (2/8)	Wed (2/9)
Student 1 (student1)	T	A	-	-	-	-
Student 2 (student2)	P	P	-	-	-	-
Student 3 (student3)	P	P	-	-	-	-
Student 4 (student4)	A	P	-	-	-	-
Student 5 (student5)	P	A	-	-	-	-
Legend						
A	Absent					
P	Present					
T	Tardy					