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CIS 407 Sem Career/Internships

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Project Proposal

Project overview

We will contribute a new version of existing software, called "Easy Attendance Software". The software can assist professors to take a quick students attendance, and it will contain IOS version application, Android version application, and web version. The software contains teacher terminal which professors can create their own user and login with username and password. Professor can create a new channel by setting class CRN and name, then select the check-in form. Students can download both IOS or Android version application, then find the corresponding class number and professor name to take attendance in the sub-view.

Shengjie Zhai will responsible for IOS version app, and Zihao Yu will responsible for Android version app. Together work on web page version.

Teacher version

Teacher can create a list with class time (during date) and class number. Enter one of the lists, Teacher can add students' names and duck id in the list. The list have the date on its first row and name on its first column. Teacher can help student to check in this list. This is to avoid some exception event(student forget to bring phone or computer). There is a password random machine in this list which will use in student version.

Student version

Before class, teacher will give student a password. Student need to enter their class number and duck id, password to check in the class. The software allow student 20 minutes earlier or latter than the class time.

IOS & Android Version (If time allowed)

IOS app is help students can access channel created by professor to take attendance, and the app will implement IOS SDK made by swift language in Xcode. The Main storyboard will implement two view controllers. And user can click channels to access into a new view to fill information. Then click bottom button "Submit" to finish class attendance.

Android version similar with IOS version.

Milestones

Milestone	Tasks	Date
1	Successful create class name list. Teacher can add class time, class number, and classroom number. The list can add/delete information. And finish create a generate password random machine.	1/29/2018 (Monday)
2	Teacher can click form and add name on the form. And teacher can click the button beside students name that teacher can finish student attendance.	2/9/2018 (Friday)
3	Teacher version can save data. Student version (web).	3/2/2018 (Friday)
4	Send data/information	3/16/2018 (Friday)
5 (if possible)	Android and IOS version	

Limitation:

This software can not avoid student give their friend password or student help their friend to check in. However, there is no method to avoid this expect face to face check in.

Some Classes may use:

ListCLASS: Teacher list(ClassCLASS)

ClassCLASS: time date number list(ClassinfoCLASS) list(studentCLASS)

ClassinfoCLASS: time date list(studentCLASS)

studentCLASS: duckid, name.& current_time