

iTeach

Name: iTeach
Target Devices: Smartphones and Tablets
Domain: Teachers

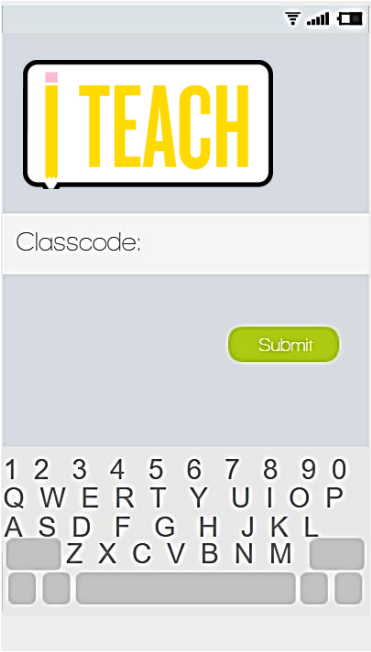
Instructors have a hard time in strictly checking their student’s attendance especially now that the new Student Affairs' Rule regarding the checking of attendance was implemented. Also, the simultaneous discussion in class doesn’t give the instructor a chance to include student’s recitation participation in their class standings and this results to low interactive factor in this manner. Given this scenario, we agreed upon making an offline web application which can help the instructors with their issues.

Goal
For instructors to have an offline portable app that will store student’s data such as: Seat Plan, Attendance, Saving and Checking of Class Standing.

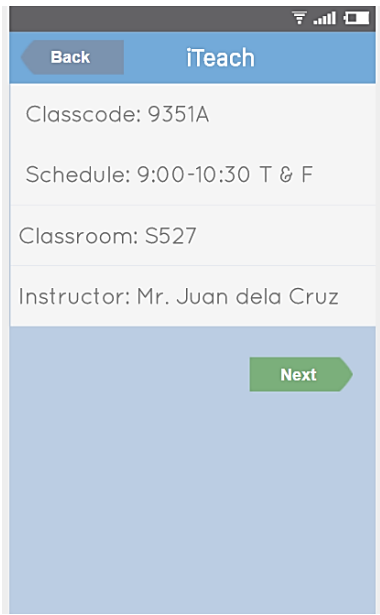
- APIs**
- ✓ **Will use SVGs**
 - Illustration of different platforms for available for a certain class code
 - Layout of the classroom
 - ✓ **Will use Ajax**
 - External JSon data will be used to retrieve data using Ajax
 - ✓ **Will use Drag and Drop API**
 - Students (boxes) can be dragged and dropped according to their desired arrangement
 - Selecting a box (corresponds to a student)
 -

Structure:

The user will input first the class code.



Output: Class Code, Schedule, Classroom and Instructor’s Name



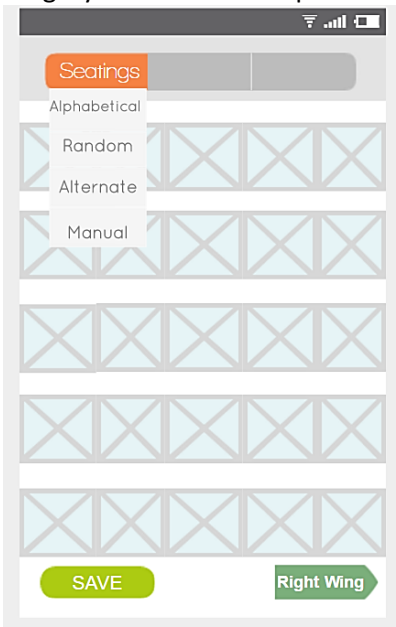
Upon clicking next, the user will then select the layout of the classroom that he/she desires.

SEAT ORGANIZER

Shows the design of the classroom *chairs will be presented as boxes*, and will choose whether what kind of arrangement. Only applies to lecture classrooms. (e.g. 3X3, 2x2, Regular) For laboratories, it has only one arrangement depending on the classroom. Choose their assigned arrangement from the following: Alphabetical (Ascending or Descending Order), Manual, Random, Alternate (Options: Boy-Girl/ Girl-boy/ by row/ by column).



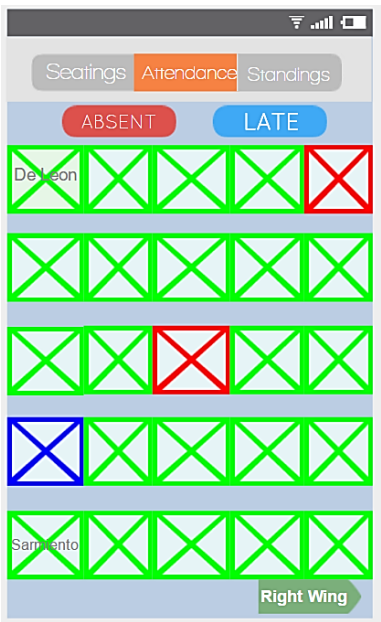
After accomplishing the ‘Classroom Layout’ category, the classroom will show up together with the menus (Navigation tabs above). If the seating category is selected a drop down list of seating arrangement will appear.



If the attendance category is selected a submenu will appear below the menu and the user will choose between absent and late. After selecting from the submenu the user will click on the box of where the person is seated to mark it. Using ajax, the id number of the student with marks on it will be saved to a .txt file which then will be later on can be seen.

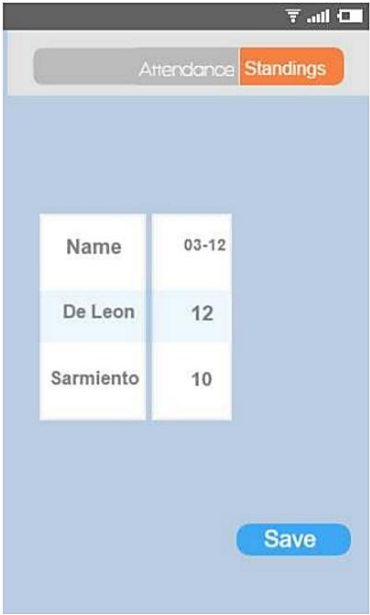
ATTENDANCE CHECKER

For attendance checking, boxes are shown. Each box has the student’s name. The user will just click the attendance menu and a submenu will appear with absent or late button. And the user will click on the box of students who are absent or late on that day. Red box for absent, and Blue for late.



SAVING AND CHECKING OF CLASS STANDING

For saving of quizzes, exams or other class standings, a table is shown. The table consists of the name of the student or number of seat and beside it will be a field where the user can input numbers. User has an option to add a new column. After saving the standings record will restart to another blank record. For checking of class standings AJAX is used to export the records in a .txt file.



REQUIREMENTS

- ✓ Responsive Design
- ✓ At least 2 targets : Phone & Tablet
- ✓ Uses Application Cache
- ✓ Uses Local Storage
- ✓ API’s used:
- ✓ SVG API - For the layout of the classroom.
- ✓ AJAX API – for the data of students