

Case Study

# Custom Student Behavior Tracking Application

## Client

- For-Profit Education Institution

## Tools, Technology, Applications

- PHP
- Code Igniter
- MySQL
- JavaScript
- jQuery
- HTML5
- CSS
- AJAX
- REST
- XML

## Project Overview

The client operates in the for-profit higher education space and sought ennVee's Java development expertise to design and implement a student behavior tracking application. The needed an application that would provide a fast, smart, and secure way of grading students, managing school work, and maintaining all student records.

## Solution and Outcome

To successfully kick off the project, interaction between a number of key players was imperative: the central administrator (district-level authority), principal, teachers, and parents. The application would allow parents to virtually "sit" in the classroom and keep track of their childrens' behavior. Not only would the parents and school authorities be aware of the child's activities, but it would also be documented from a district level.

ennVee designed an application to allow a central administrator to create schools and import student and teacher data. The application was implemented to a district-level, in which student activities of all schools can be centrally tracked. Individual schools can also be monitored locally by the principal who acts as a local administrator. The principal can subsequently assign students and teachers to respective classes.

We also implemented a native client application which uses REST API to enable teachers the capability to submit real-time student behavioral ratings. This provides parents and school authorities visibility into student behavior and performance. A running report is created for the student's conduct, which can be used to identify and take proactive corrective action if needed.

Additionally, we implemented a responsive web-based interface that provides seamless experience across all devices. ennVee developers also created a mobile version for Android and iOS, which afforded greater flexibility to users "on the go".