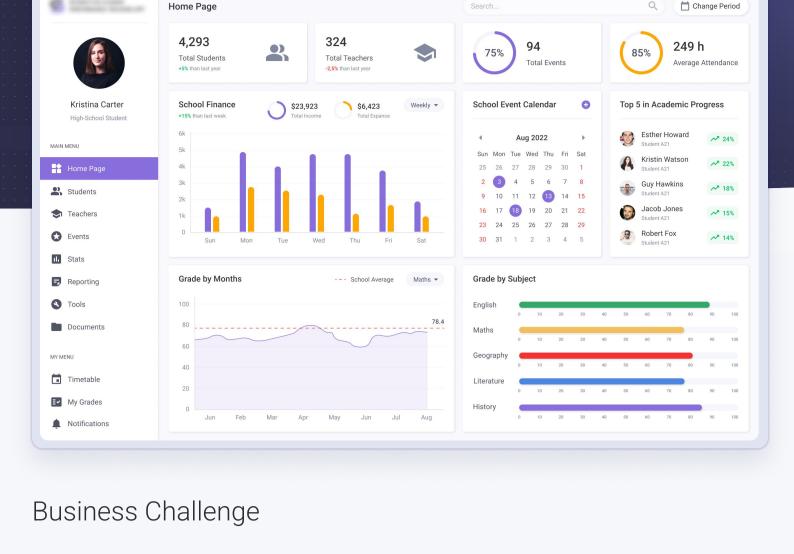


### Interactive Student Performance Tracking App

An online app for educational institutions that allows tracking student academic performance and provides users with access to interactive grading dashboards. Teachers can review such data as the overall curriculum progress, individual average grades, attendance, grade by subject, and other details. Also, the app enables assessing the efficiency of the teaching staff.



## of their students. Considering the complex nature of modern education, it's barely possible to complete such a task manually. Fortunately, assessment apps allow educational institutions to

monitor, visualize, and analyze the efficiency of education with ease. An approach based on data tracking and analysis helps to define if there's the need to change the used studying programs for reaching better academic results.

Our company was asked to develop an online application for efficient tracking of student performance data. The app should allow reviewing and editing the list of students containing different data, including name, contact info, and average grade. By request, users should get access to detailed stats of a particular learner, such as grade per specific subject. Also, the app should allow tracking the teachers their working hours, attendance by students, and other

To evaluate the effectiveness of the used teaching methodologies, educational institutions

should regularly perform tracking of dozens of indicators related to the academic performance

Solution

After analyzing the requirements of our client, our development team has built a full-featured

online app for tracking performance data. Teachers can use this application to get access to the

progress, and attendance. The list can be sorted by any of these parameters. This feature of the

full **list of students** and check their names, email addresses, average grades, curriculum

The application also provides access to the **profile page** of a particular student. This page

and other records. All this info can be modified with a couple of clicks.

contains vital data, such as name, date of birth, average grade, address, email, disciplines studied,

#### app can be used to determine those learners that have the lowest grades. Then, such a student can be quickly contacted via email to find out the reasons for poor academic performance and

curriculum progress.

Implemented Components

Students

Reporting

Name

Annette Black

Jane Cooper

Theresa Webb

Project in Figures

🗀 12+

Month

value.

schedule a consultation if needed.

parameters.

The system allows getting access to data related to teachers as well. The app users can review the list of teaching staff that provides and know their name, email, department, and current status (busy or active). Each record can be also edited.

Our Webix development team has implemented data visualization features that allow representing info on students performance in the form of an interactive dashboard. This

approach significantly improves the effectiveness of tracking student academic progress. The

users of the app can select a particular student from the list and get instant access to the

required info, including individual average grade, attendance, grade by subject, and current

Besides, the application can be used for teacher efficiency tracking. In this mode, it can visualize the important data, like working hours, attendance by students, and average test score.

The app allows generating **reports** and exporting them to Excel, PDF, and other formats. Smart **alerts** and **notifications** allow being aware of important events. For example, you can configure the system to send you a warning if the average grade of a particular student falls below a given

**score system** can help teachers to identify learners who demonstrate the best academic success and encourage them.

Mobile support enables the use of this tracking app on smartphones and tablets. Document

possibility to share and discuss their view on curriculum innovations. Progress evaluation and

upload and file sharing can simplify the work of your team and provide teachers with the

In order to simplify the development process and achieve a successful outcome that will suit the customer's needs, we implemented several ready-made Webix widgets.

First of all, we integrated the User Manager that brought simplicity to the assignment of various permissions to users and overall user management process. The teachers are able to see all the needed data on students in the Students tab and find a certain individual or group/class to plan further class activities or check the academic progress of students.

The Report Manager turned out to be a good addition to the application, as now teachers are able

to do just a couple of clicks to see the full report on a student's performance that they are

interested in. And then, download them to save on their device. Also, the **Document Manager** 

# helps teachers to have all relevant documentation in one place in order to share with other teachers or add new files and find them easily later.



Grade

**Curriculum Progress** 

Attendance

© 1500+

Estimated

All Classes 🔻

**Student Information** 

13 August 2004

:

:

Tools WadeWarren@gmail.com Courtney Henry : A23 Documents + 1 202 457 1167 Jerome Bell A23 37 MY MENU Marvin McKinney 93 2464 Royal Ln. Mesa, New Jersey 45463 A23 Timetable Darrell Steward My Grades A23 History Math Art Spanish Notifications Alex Smith Δ23

94

A23

Duration man-hours 9:41 9:41 My Profile Home Page Your running subjects ₩ 皿 Kristina Carter English High-School Student Average Grade by Month **Today Classes** 14 September 2022 Chepter 12: Basic Grammar 09:00

40 Mr. Ronald Richards 09:45 Room C1, First Flor Grade by Subject Maths Chepter 7: Sinus, Cosine 10:00 English 10 20 30 40 50 60 70 80 90 100 🦄 Mr. Marvin McKinney 11:15 Maths Room C12, First Flor 10 20 30 40 50 60 70 80 90 100 10 20 30 40 50 60 70 80 90 100 Literature H Applied Technologies webix

# Result

staff and allows editing this info with ease.

Modern data visualization tools allowed our developers to create an interactive dashboard that represents complex data in an easy-to-understand way. With its help, the users of the app can get a clear understanding of the current academic results of a specific student. Also, the dashboard allows tracking the performance of a particular teacher.

Our company has rich experience in Node JS development and other modern technologies. It

allowed us to design and build an advanced online app for efficient tracking of students' and

teachers' performance data. The app provides easy access to the list of students and teaching

get access to the dashboard for easy student progress tracking;create and share reports via the web or mobile app.

As a result, the student tracking app we developed enables users to:

create and share reports via the web or mobile a

https://xbsoftware.com/

Customer

review and edit the list of teachers and students;

# A large educational institution from the EU that wanted to replace legacy software for tracking data on students and teachers performance with a modern and full-featured app.

Visit

To learn how custom-made apps can help your educational institution, you can receive a free consultation from our specialists.

Contact Us