RMZ Tech – Basic Backend Course Final Project

Online Attendance System

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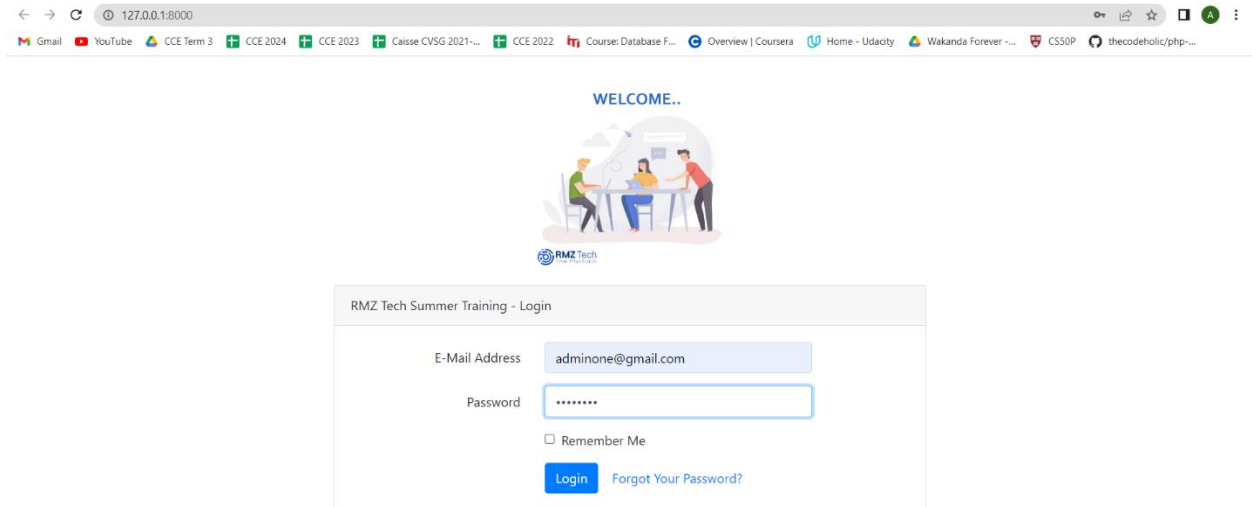3. Backend walkthrough

Word from the team

Our project is an online attendance system developed using Laravel where the admin can create students, courses, and take attendance for them with all entries stored in views for the admin, and databases in the backend. We customized it to the company's palette and offered summer trainings. We wanted to add another part to our project where there can be views accessible to the students themselves but did not have enough time to fully develop it, as we only developed the registration part.

We would like to thank all engineers from RMZ Tech who mentored us through this training and helped us learn a new framework and explore more how the market works in the software engineering field.
Your efforts are truly appreciated.

Regards,

Mayar, Merna and Adham.

Web application walkthrough

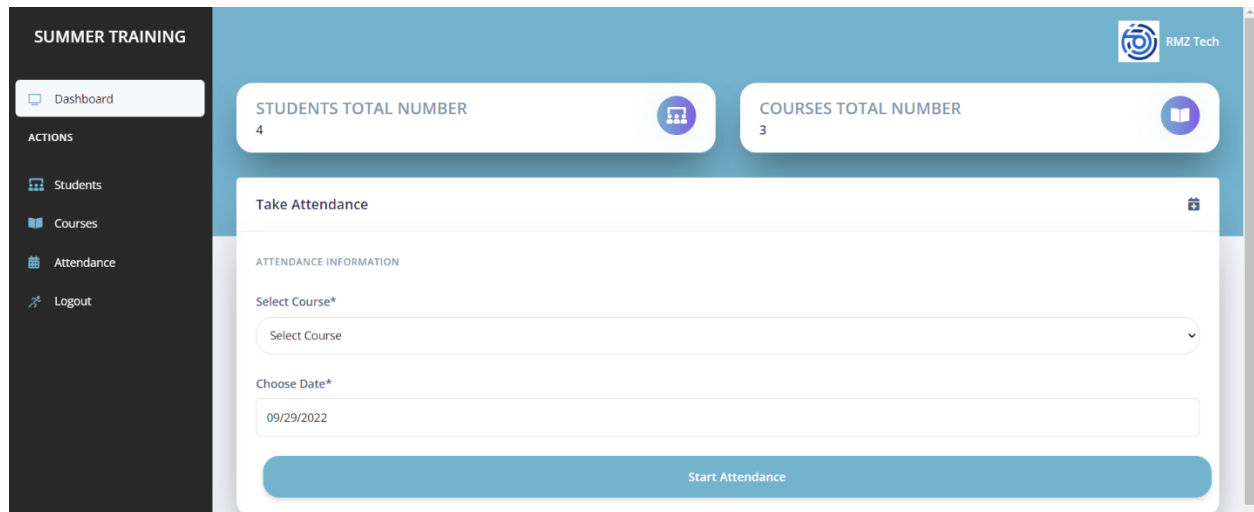Our first view is the login view developed using Vite which automatically provides all the necessary validations and authentications. After a successful login, the admin is routed to the dashboard.

The dashboard is the main view where general figures are shown and the admin can start taking attendance of a selected course. But first, let us take a look at our other views: Students, Courses and Attendance.
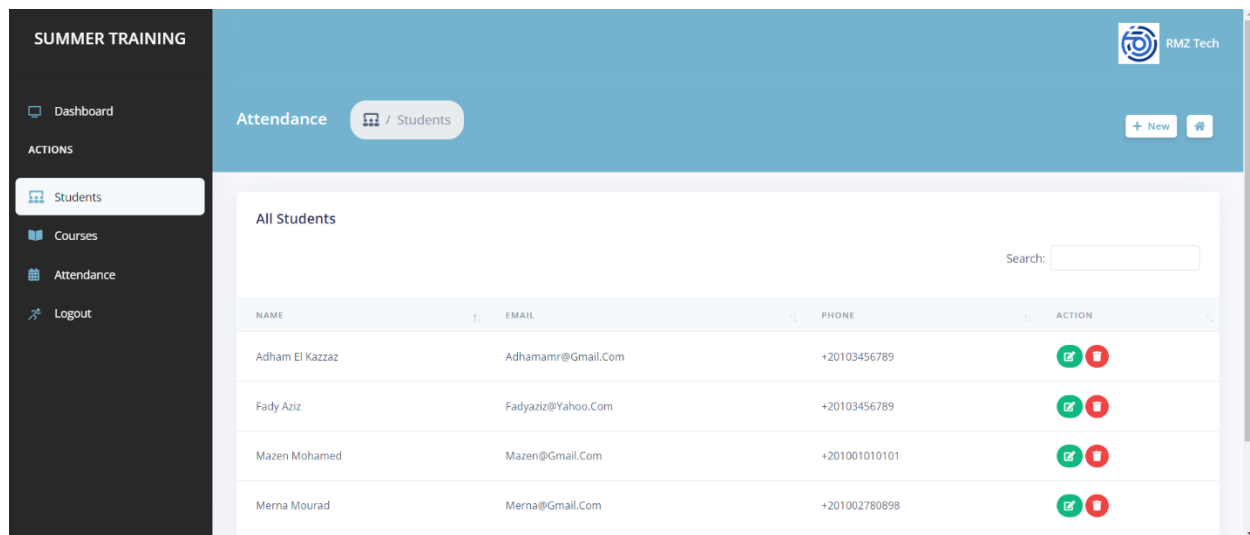
The students view shows a list of all students stored on the system and has the following features: Create, edit and delete student.

Placeholders indicate the expected input from the admin, and a sweetalert like the one below pops up when an action (new, update, delete) is done, it is customized to the action.
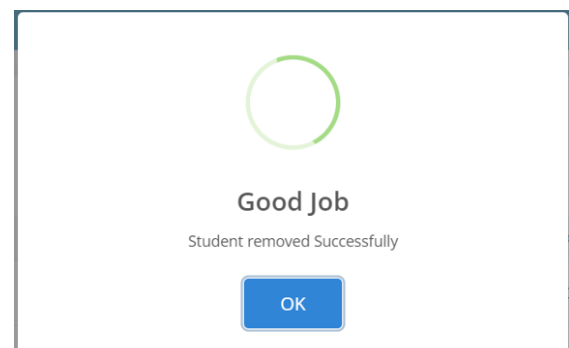
As for the Courses view, the create, edit and delete features are applied with the same logic as in the students view. Two additional features are introduced:

View Course, where the admin can see course description a list of the students enrolled in a specific course, and unenroll students from a course.

Advanced Training

RMZ Tech's advanced level summer training course for backend development

3

List of Students

Show 10 ∨ entries   Search: [   ]

NAME	EMAIL	PHONE	ACTION
Adham El Kazzaz	Adhamamr@Gmail.Com	+20103456789	🗑
Fady Aziz	Fadyaziz@Yahoo.Com	+20103456789	🗑
Merna Mourad	Merna@Gmail.Com	+201002780898	🗑

Showing 1 to 3 of 3 entries   ‹ 1 ›

And Assign Students, where the admin can add students to a specific course.

The Courses view itself shows a list of all Courses and their related info

All Courses

Search: [   ]

NAME	DESCRIPTION	STUDENTS NUMBER	ACTION
Advanced Training	RMZ Tech's Advanced Level Summ...	3	✎ 👁 🏛 🗑
Basic Training	RMZ Tech's Basic Level Summer...	0	✎ 👁 🏛 🗑
UI/UX Training	RMZ Tech's Summer Training Cou...	0	✎ 👁 🏛 🗑

Showing 1 to 3 of 3 entries   ‹ 1 ›

As for the main task, the Attendance view shows a list of all attendances and they are accessible for the admin all the time where he can view, update or delete them when they are no more needed.

A new attendance can be taken from the dashboard or from the new icon in Attendance view. The course and date need to be specified than the admin can start taking attendance.

The attendance list is then saved in Attendance view and can be accessed whenever needed.

After finishing all taks, the admin can log out.