



MOBILE SCHOOL MANAGEMENT SYSTEM



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Abstract

In today's world the usage rate of mobile devices are constantly increasing in all kinds of educational areas. This report expresses the need for an application in such areas of education. This project will be named Mobile School Management System and its aim is to create a bridge between Educational Institutions and Student-Parent-Teacher-Administrative Employee. School Management System will be a mutual portal for students, parents, teachers, and IT personnel. The project will ease the process of communication with students, teachers and parents.

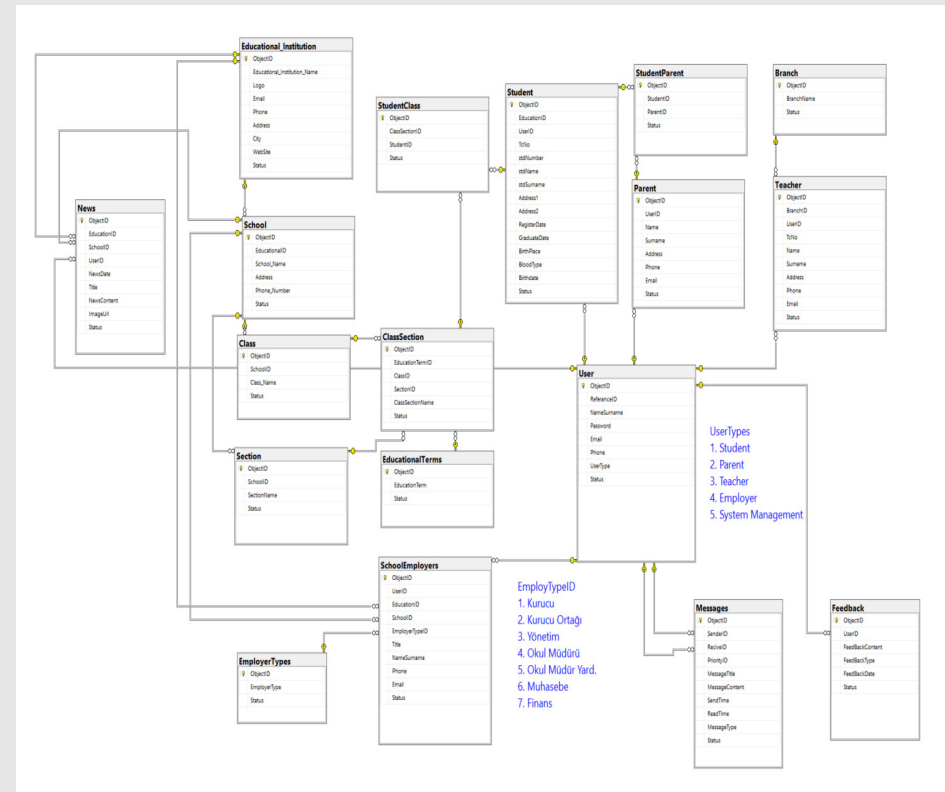


Figure 1 – Database

Introduction

School Management System consists of three different project which are API(Data Layer), Management Interface, and School Portal. API is a bridge between data and its consumers and being protected by JWT Token and Role Management. Management Interface is the place where all the initialization happens. Everything in the database can be created from this interface. School portal is the place where students, parents and teachers meet. Information about lectures, exams, syllabus, announcements, absences, teachers and many more are on this project. Students, teachers and parents can message, share, inform from the system.

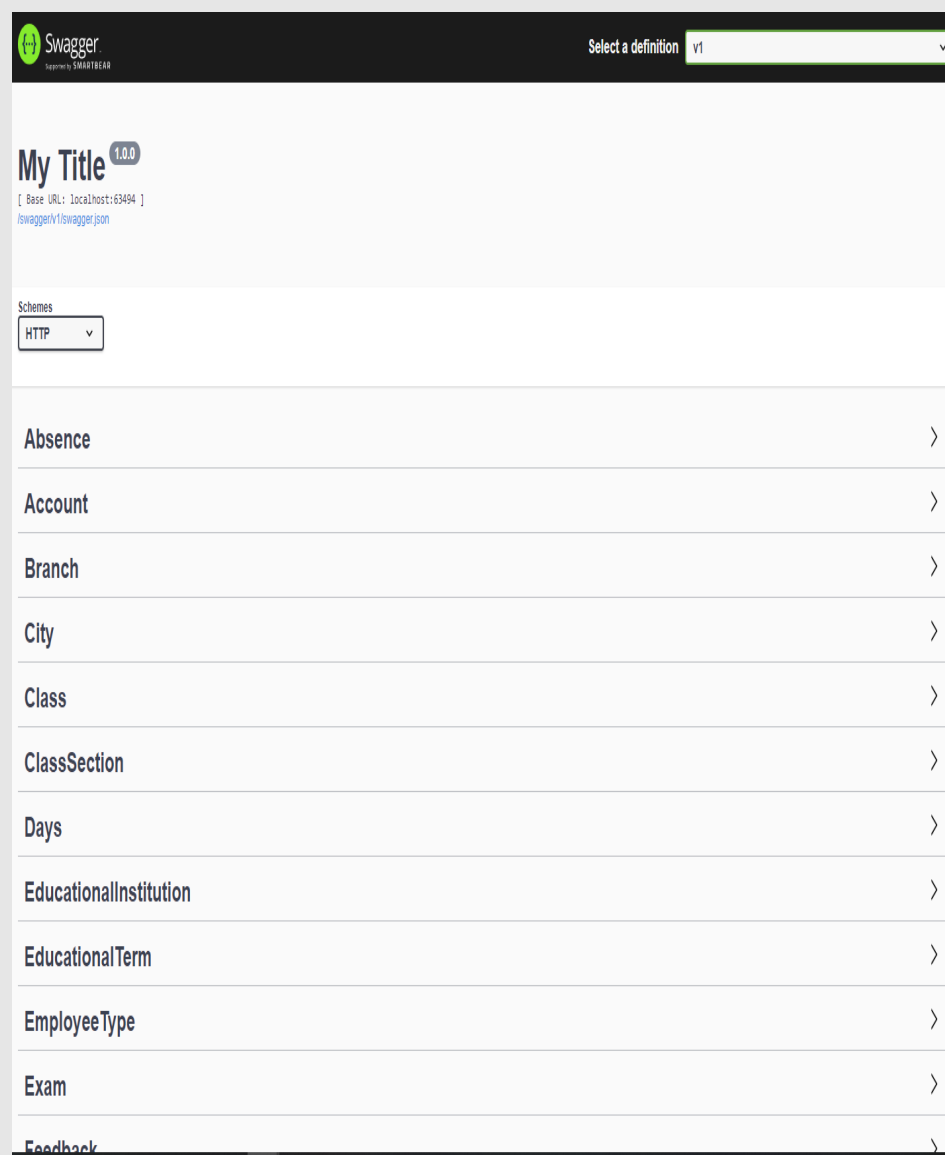


Figure 2 – Finished Web API

Solution

There are not many applications that handle school management like our project. In today's world the schools usually send information via SMS or E-mail services. These services are generally One-way. This means they are usually about an announcement and don't require any response from the receiver side. This makes the sender side wondering if the receiver even received that message or if they agree about what the message presents. Our goal is to create the bridge between the school's management and the end users just like teacher, student, parent. Users will be able to get every information they need from this application. For example, the parents will be able to check their child's attendance, exam notes, check news about the school or the class, get announcements, solve surveys about the school or the teacher, check their child's syllabus etc.

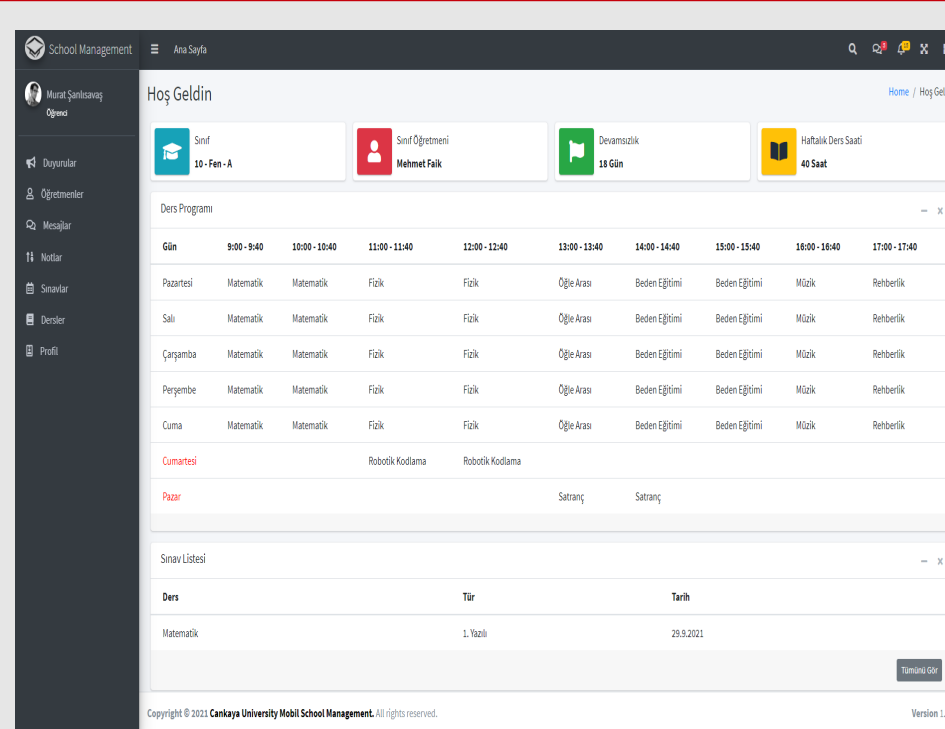


Figure 3 – Finished Web User Side

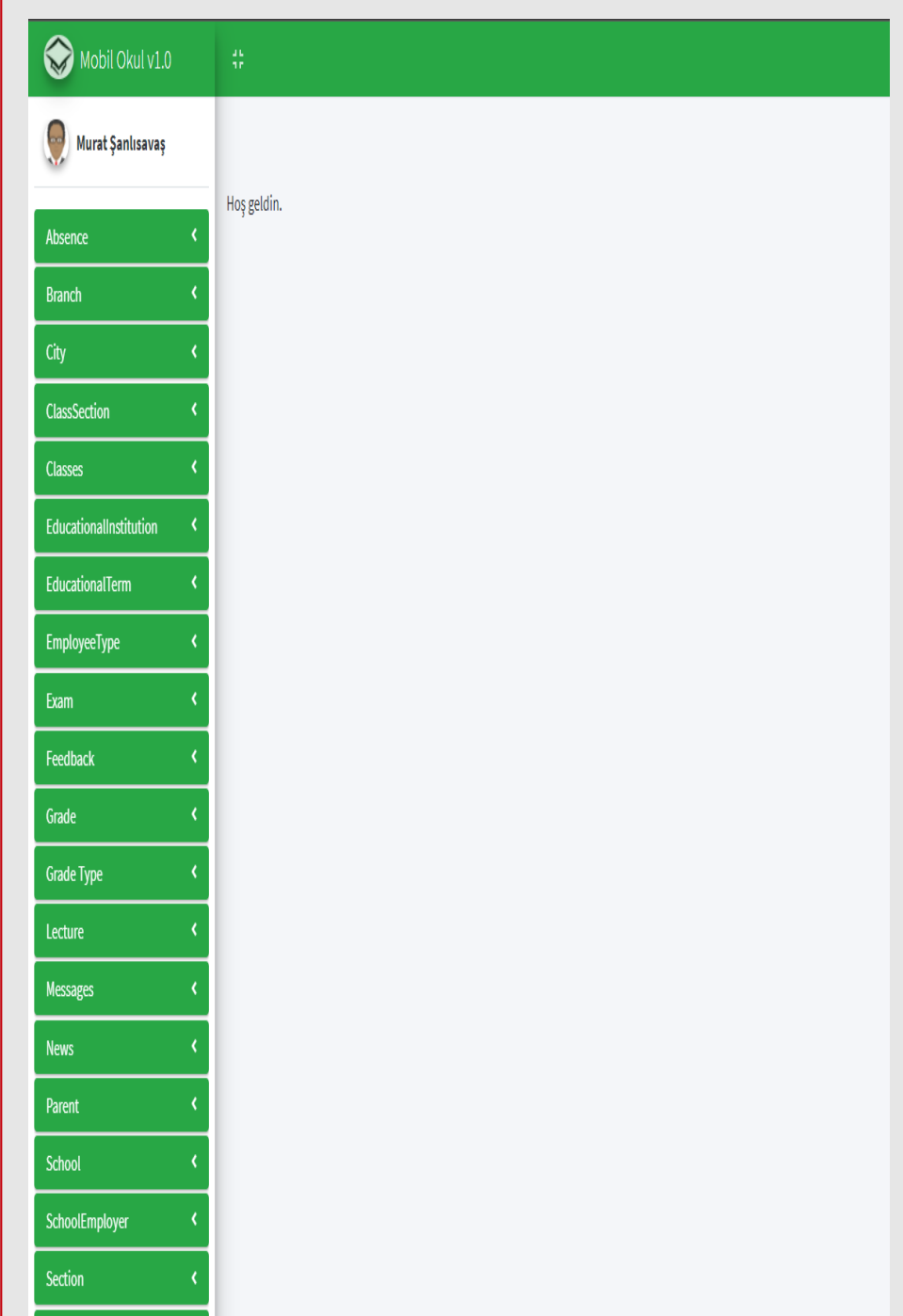


Figure 4 – Finished Web Admin Side

Results & Conclusion

At the start we made a road map to follow through the making of the project. Our first task was to plan a database big enough to fit all users and connections between all users. After finishing the first task at hand we continued to build the Web side of the project. There is 2 parts of the Web side of the project. First one is Web Admin Side and the other one is Web User Side. First task at this part was to build the Web Admin Side. Then we built Web User Side. We encountered some errors big enough that we had to research them for couple of days. But in the end, we learnt through all errors and have produced this project.

Acknowledgement

We thank our advisor Murat SARAN for assistance during the development of the project.

Figure 5 – Group Members

