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EduKids

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Presented in partial fulfillment of requirements of
Bachelor degree in Computer Engineering
December 2021

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Acknowledgment

We put a lot of effort into this project. At the beginning, we would like to thank Dr. Emad Natsheh, our project supervisor, who was an encouraging supporter and provided us with the necessary information for the project.

We would like to extend our sincere thanks to our parents for supporting and encouraging us at all times And their sacrifices in order to build a future for us and provide what we need during the period of our education .

thanks to all the friends and everyone who stood with us in our most difficult times and gave because it is a moral support. also we would like to express our special gratitude and thanks to teachers for their efforts in education and giving information to students.

Abstract

Primary school is one of the most important stages of education, as it is the basis for raising children in terms of learning and interacting appropriately with others. The teacher provides many tools and activities that motivate children to learn the language of reading, vocabulary, mathematics, science, arts, and social behaviors. So having an app that enables parents, especially employees, to monitor the educational status of their children at school makes parents more reassured.

EduKids is an application for primary stage students for grade 1 which aims to facilitate communication between teachers and parents through the convenience of the teacher to send tasks and notes to the student's parents, in order to ensure that the teacher transmits information correctly to the student, and to ensure the behavior of their children and follow-up in their school. The importance of this application is that it provides services to an important segment of the community, including teachers and parents of students .

This app also provides a chat system, to facilitate the process of communication between teachers and parents. In addition Parents will receive live notifications on their mobile phones for all updates from School including events, holidays, attendance, learning, health and assignment updates. There is also a profile page for each child that enables parents to keep track of their child's level, grades, delivery of assignments, and provides them with e-learning. Its also provides a special website for officials and administration to manage school affairs easily. Therefore, the parents will remain in contact with teachers in the school. There are similar applications to it such as education

1 Introduction

1.1 Statement of problem

It will be difficult for parents, especially employees and workers, to follow up the affairs of their young children at school and communicate with teachers on an ongoing basis, and therefore this application contributes to solving this problem and helping them to follow up on the affairs of their children at school.

1.2 Project objectives

EduKids project mainly aims to help parents of students in primary school to follow up their affairs from all sides, where parents can view homework and exams for their children, Where parents receive notifications sent by teachers on their mobile phones .They can communicate with teachers through chat ,This application also displays the schedules for students throughout the week .In addition, there is a special section for students' entertainment, through which they can practice simple exercises and answer questions related to their study materials, which are useful in testing their educational abilities.

1.3 Scope of the work

As mentioned earlier, our project (EduKids) focuses on primary school students in Palestine and their parents to help them obtain information, follow up on school matters and events, also inquire through direct messages to teachers.Thus, parents who have The application and registration of an account ,can follow their children continuously, so the application facilitates There are many things for both teachers , parents and employees or non-employees. Where technology development helps in providing applications that facilitate our lives.

1.4 Importance

Edukids application is especially interested in children in the primary school stage for the first grade Edukids also contains an educational entertainment section for children. The idea of dedicating this application to first graders is that this stage is the first stage in their school life and is a transitional stage from kindergarten to school, Thus,

in order for parents to remain aware of the situation of their children and teachers to send feedback to them about their children whether positive or negative, we developed this application. It should be noted that the application is very important for employee parents, especially those who may be busy with their work and cannot go to school to follow up on their children and inquire about them at school from time to time.

1.5 Organization

this report contain the following chapter

Chapter1: Introduction and overview about the importance and the scope of this project.

Chapter2: problems and constraints that we faced in this project.

Chapter3: Literature review.

Chapter4: Technical choices.

Chapter5: Methodology.

Chapter6: Result and discussion.

Chapter7: Conclusion and recommendations.

2 Constraints, Problems and Standards

2.1 Constraints and Problems

2.1.1 Lack of resources

We faced some lack of resources that support PHP where it requires us to search a lot and in depth and also flutter ,so adding new features takes more effort.

2.1.2 Shortage of time

One of the problems that we faced during the project is the problem of time. There was not enough time, or the project was not given much time. where learning the language of flutter from scratch took time .

2.1.3 Some Technical problems

We faced some technical problems in the project, including that the Android Studio program was taken a very large space, and due to the device containing other programs, dealing with Android Studio was difficult and was slow, as well as the emulator that was not perfect and was somewhat slow, which led to the replacement of using Android Studio to Visual studio .Also using Sql as a database needs the internet all the time.

2.2 Earlier work

For learning a flutter language, this was done through online courses and sites such as Udemy, in addition to YouTube courses. Before that We did not have a prior background for mobile application programming. For PHP and MySql, a course was taken in the computer engineering department called Web Programming in addition to many other resources to help us learn.

3 Literature Review

EduKid application, as we mentioned previously, is an educational application that specializes in students in the basic stage, in the first grade in particular. Its distinguished in that it combines the educational side with the entertainment side. Thus, the advantage in our application is the presence of these two sides where the student can follow his materials and all the announcements issued by teachers as well as exams and also he can entertain himself in an educational way. Our application also connects teachers and parents of students in a special way, where they can inquire about what they want and any time they want about their children.

Many earlier apps with various flavors have offered this concept, such as:

1 Microsoft Teams

2 Edunation

3 Eschool

4 Technical choices

4.1 Programming Language

4.1.1 Front End

For the mobile application we use Flutter language .It's a software development kit (SDK) with prewritten code, consisting of ready-to-use and customizable widgets, as well as libraries,tools and documentation that together serve to build cross-platform apps. For the Admin website we use CSS,HTML,Javascript languages.

4.1.2 Back End

We used MySql language with XAMPP Server (MyPHPAdmin) which is a free and open source cross-platform consisting of an Apache HTTP server and Mari- aDB database written in PHP and Perl programming languages.In our application.

We have been using it for operations related to deleting, adding, or modifying information about students, their parents and teachers.

We tend to use Firebase very little in the conversations part only. Firebase is a platform developed by Google for creating mobile and web applications, transforming the entire app development process. Build, test, and deploy beautiful mobile, web, desktop, and embedded apps from a single codebase.

It is offering cloud hosted NoSQL databases, which can help the developers to store and sync between their users in real-time. The real-time database is really a big object which can let the developers manage their applications and users' data within real-time in the best possible way. With the help of a single API only, Firebase database can provide your application both current data value and any available update on that data.

4.2 Server side

PHP (Hypertext Preprocessor) is known as a general-purpose scripting language that can be used to develop dynamic and interactive websites. It was among the first server-side languages that could be embedded into HTML, making it easier to add functionality to web pages without needing to call external files for data.

5 Methodology

5.1 Main pages

The login page is the first page in our application through which three types of users can logged in, firstly the students, where each student in the school has an account and can login to his account to follow his tasks and announcements that the teacher sends through his account on the application and also the parents can log in to their accounts to follow the conditions of their children's school.

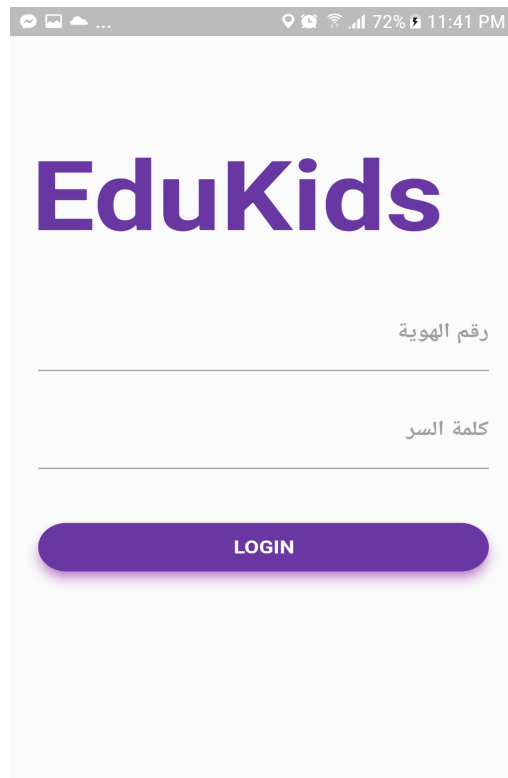


Figure 1: Login page

When logging in, the ID number and password are required, as each student was registered based on the ID number on the website that is controlled by the school headmaster.

Teacher

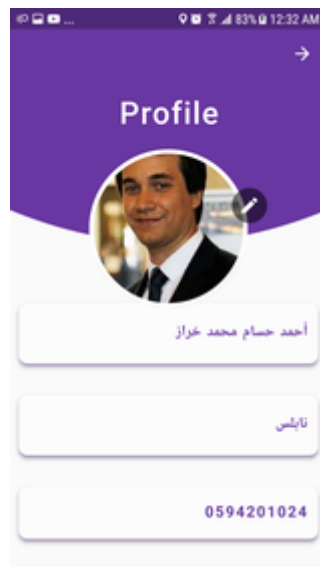


Figure 2: Teacher profile page

In addition to having a personal profile page for each teacher, there is also a follow-up settings page, through which the teacher can change the password, phone number and address as shown in following pictures :



Figure 3: Setting page 1

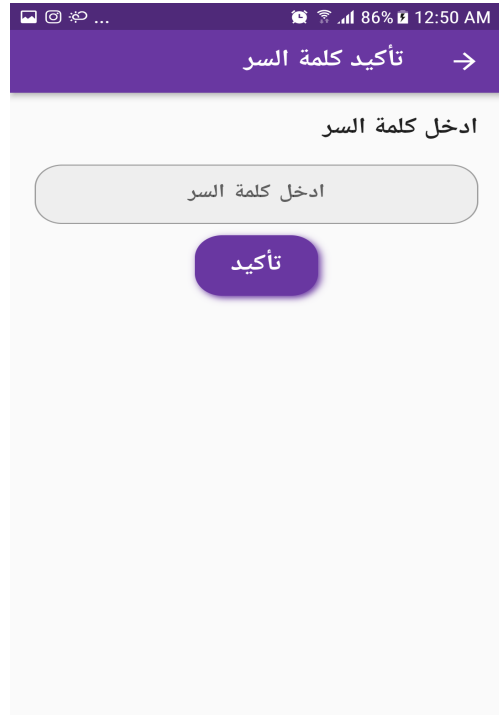
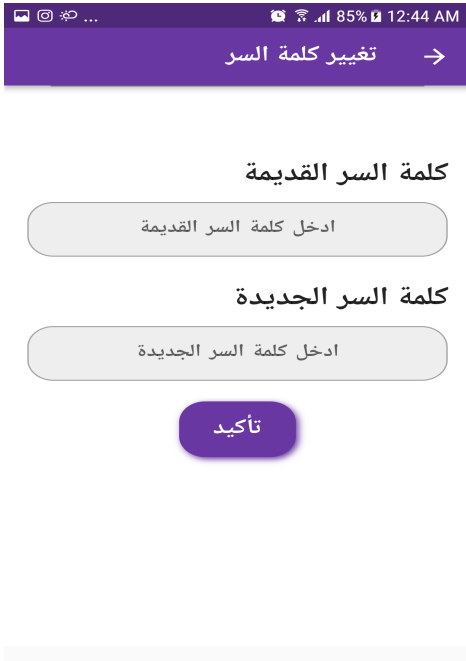


Figure 4: Setting page 2

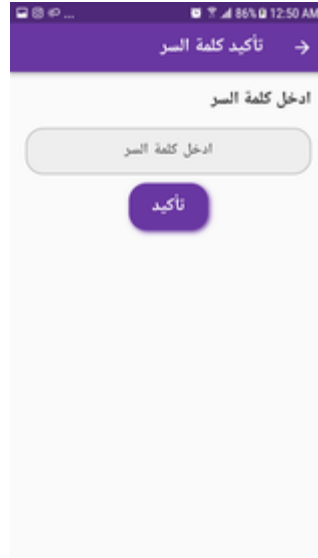


Figure 5: Setting page 3



Figure 6: Setting page 4

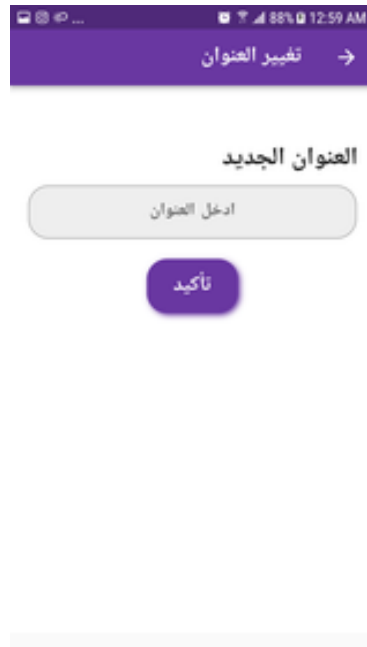


Figure 7: Setting page 5

Each of the above setting pages is intended for the teacher, and also for the parents ... They can change the residential address in case of change, as well as the phone number ... by entering the name of the new place of residence or phone number and then pressing the "Confirm" button to confirm the change, in addition to change password, they need to enter the old password, then the new one, after that press the confirm button.

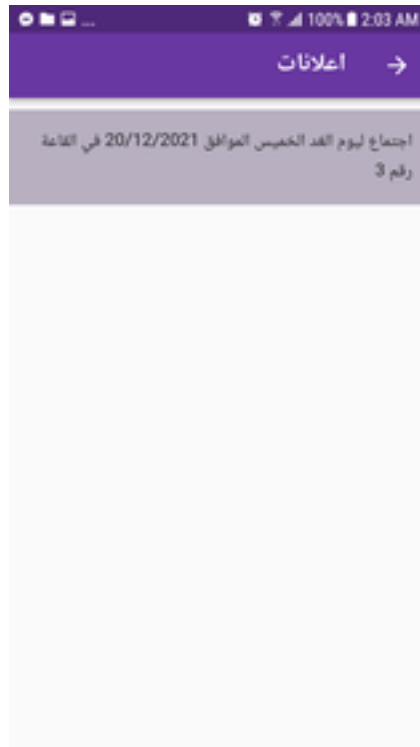


Figure 8: Notification page from headmaster
Teachers receive notifications from the headmaster about meetings or any event in the school through this page

In the attached picture below, the students were divided into sections , where it is easy for the teacher to reach his students and enter their grades or send notes and homework to them.



Figure 9: Sections page

After selecting the appropriate section, the teacher can enter the type of exam given to the students and the mark of each student as shown below

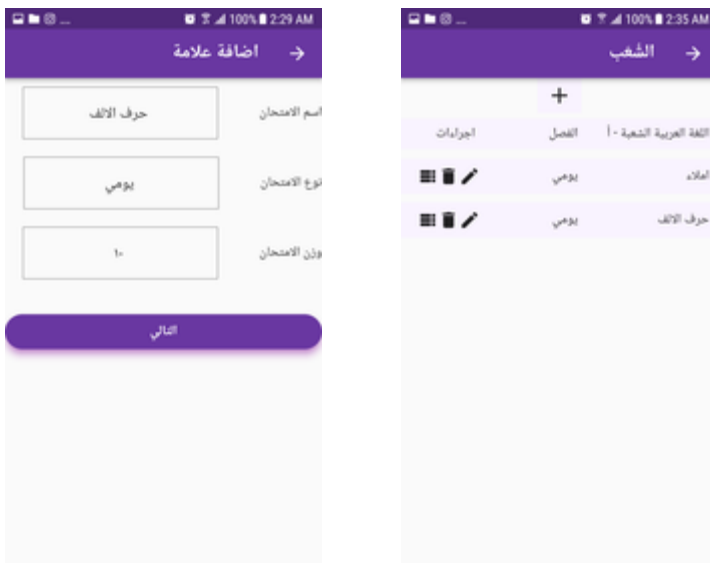


Figure 10: add mark pages 1



Figure 11:add mark page2

The attached image above is accessed by clicking on the pen symbol on the add mark page1, in addition to the possibility of deleting and modifying the marks and exams

In addition, the teacher can review the marks of all students in the sections

Among the feature in the teacher's side there is also the teacher's ability to add an exam to students ,homework an assignment, and he can also send a message to the students' parents about their kids behavior or any note as below



Figure 12:add homework



Figure 13:add quiz



Figure 14: send notes to parents

The teacher can follow the attendance and absence of students through the list of attendance and absence as shown in the image below

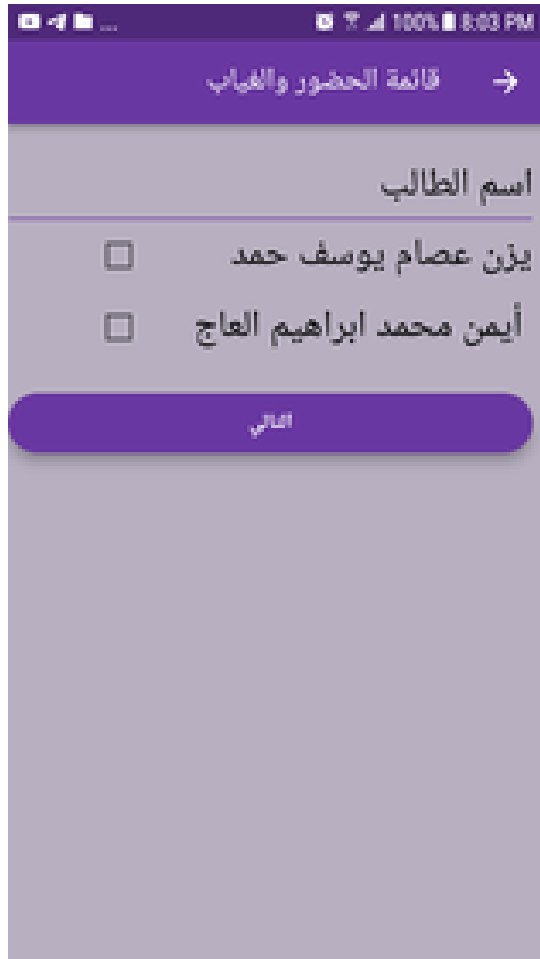


Figure 15: list of attendance and absence

The Screenshots below show how the teacher can add an exam to the student and determine the type of exam,Where two types of questions are chosen for students, drag and drop or multiple choice



Figure 16: add an exam1



Figure 17: add an exam2



Figure 18:add an exam3

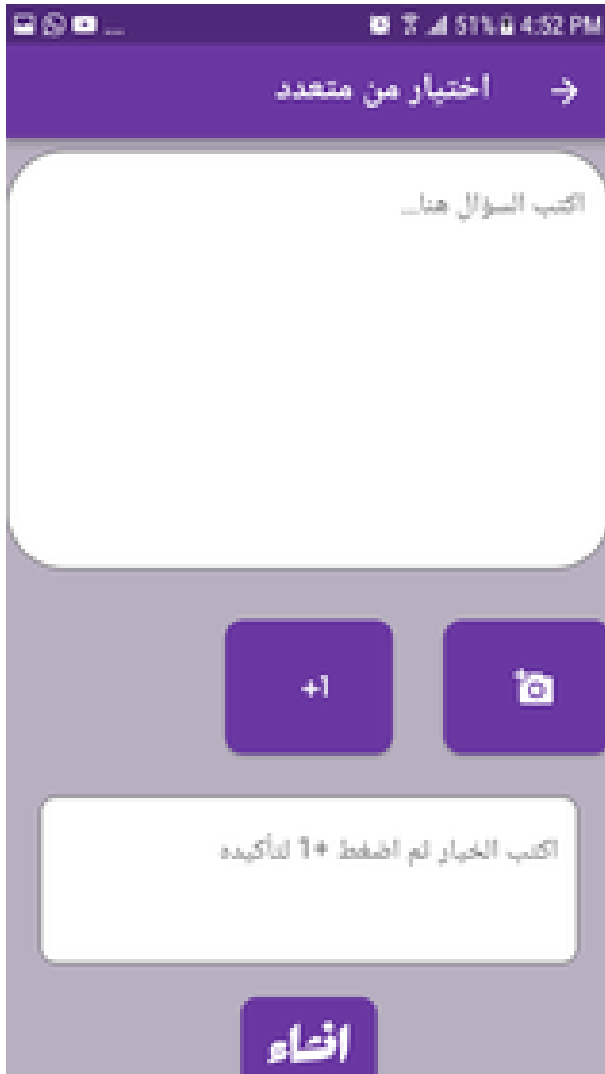


Figure 19: add an exam4



Figure 20: add an exam5

The teacher can also upload a pdf file to the student for each of the study subjects, or upload pictures or activities as shown below

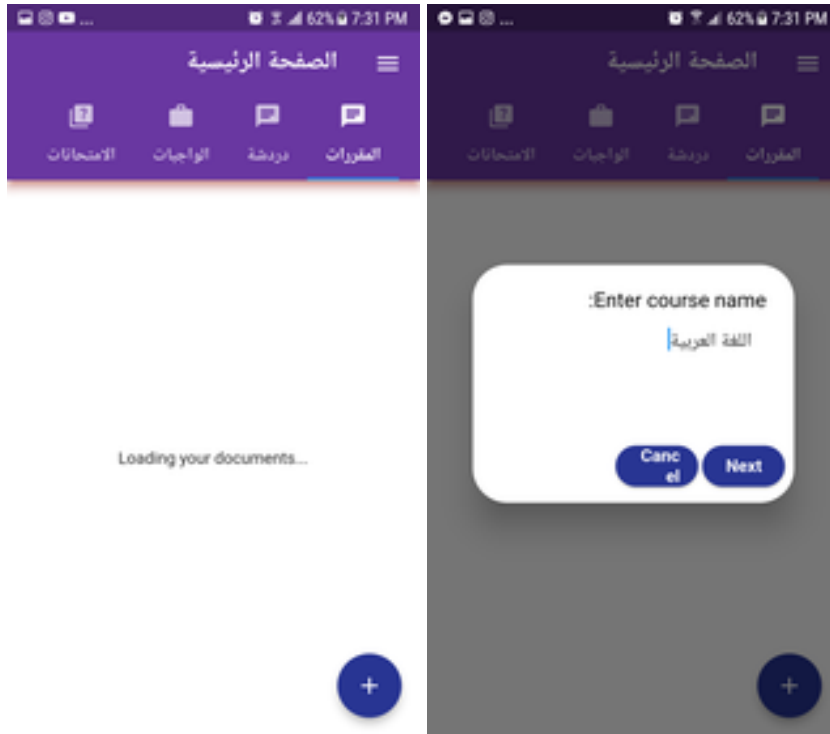


Figure 21: upload a pdf

Children

the main page in children side is contain all subjects he is studying in the class



Figure 22: subjects page1

After selecting one of the subjects presented on the previous page, he can move to the assignments and exams page for each subject



Figure 23:subjects page2

After accessing the previous pages related to each subject, Students can enter the list of assignments or exams related to those subjects by selecting the correct button.



Figure 24: exams list



Figure 25: homeworks list

Weekly schedule .Each class has a weekly subjects schedule in which the materials are distributed over the days , the schedule of subjects is changed all class once and the one responsible for setting these schedules is the school headmaster where there is no conflict between the subjects. Therefore, each child must attend school according to the schedule assigned to him

الأحد		
3	2	1
اللغة العربية	الرياضيات	اللغة العربية
الاثنين		
5	4	
فناط	اللغة الانكليزية	الرياضيات
الثلاثاء		
5	2	1
اللغة العربية	الرياضيات	اللغة العربية
الأربعاء		
6	5	
اللغة العربية	اللغة العربية	

Figure 26: Subjects schedule

This page shows how students can view the PDF that the teacher sends to them

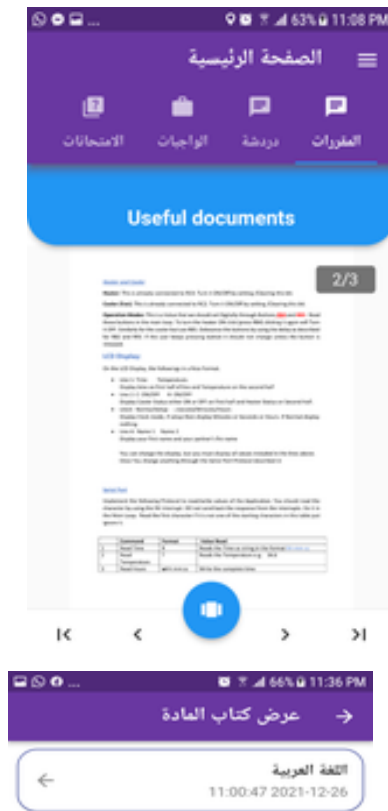


Figure 27: show pdf

There is also a list of each of the homeworks and exams that appear to the student, where the teacher sends the assignments and exams to the students as we explained previously



Figure 28: Exams page



Figure 29: homework page

In addition to that, the student side also contains a side menu in which there are some commands

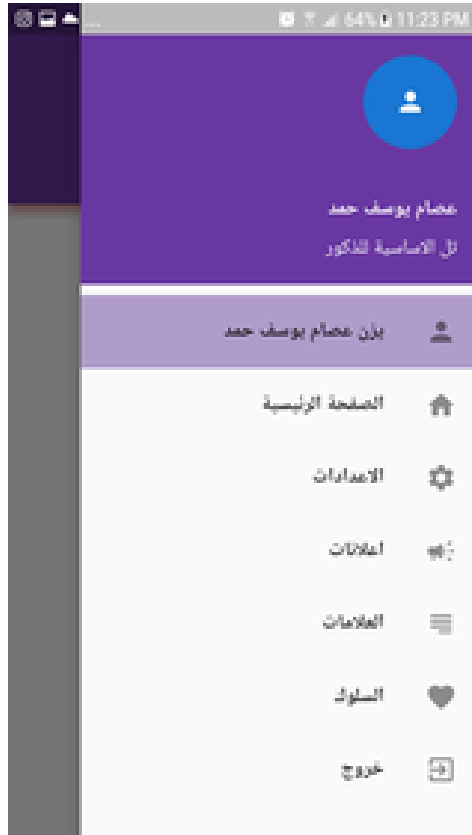


Figure 30: side menu

Parents

Parents can view the fees related to their children....and also chat with teachers at any time to inquire about their children. They can also receive notifications from teachers regarding their children's conditions, behavior and activity in the school as shown in the pictures below.

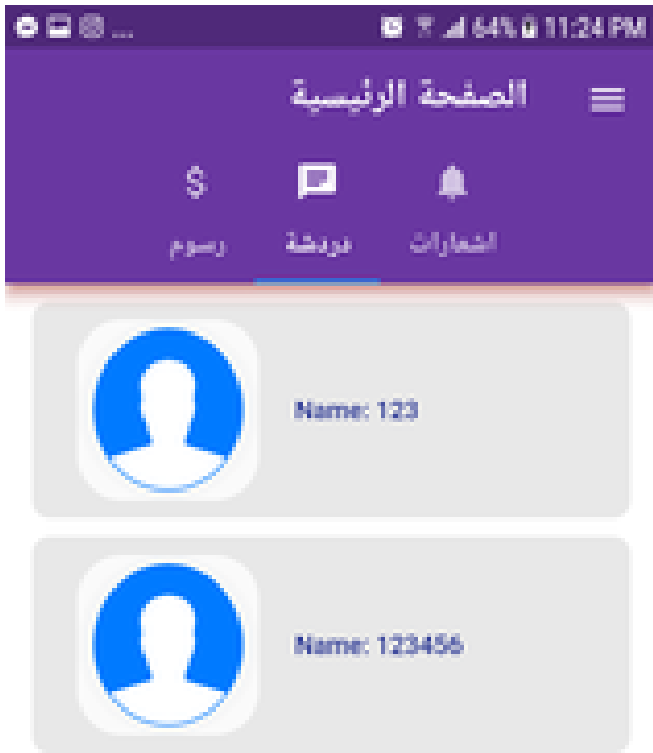


Figure31: Parent menu

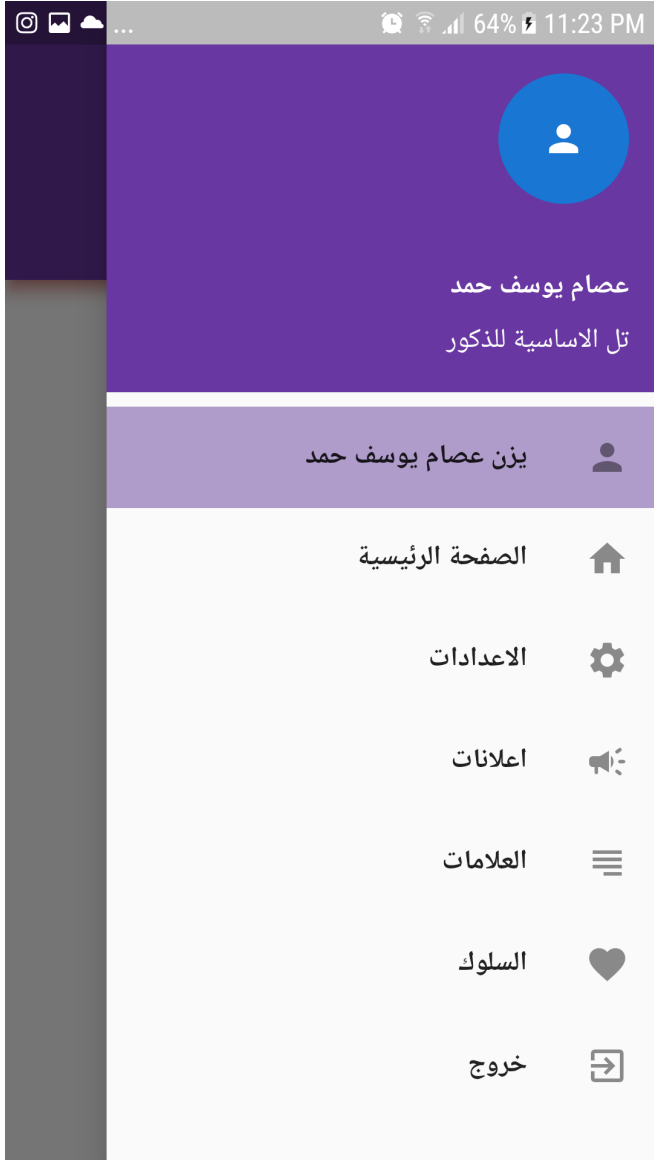


Figure 32: parent side menu



Figure 33: Fees side

Website

The web page is controlled by the headmaster of the school, through which he can enter the teachers, students, parents of students, and all the information related to them, including their names, identification numbers and mobile numbers, in addition to their places of residence.

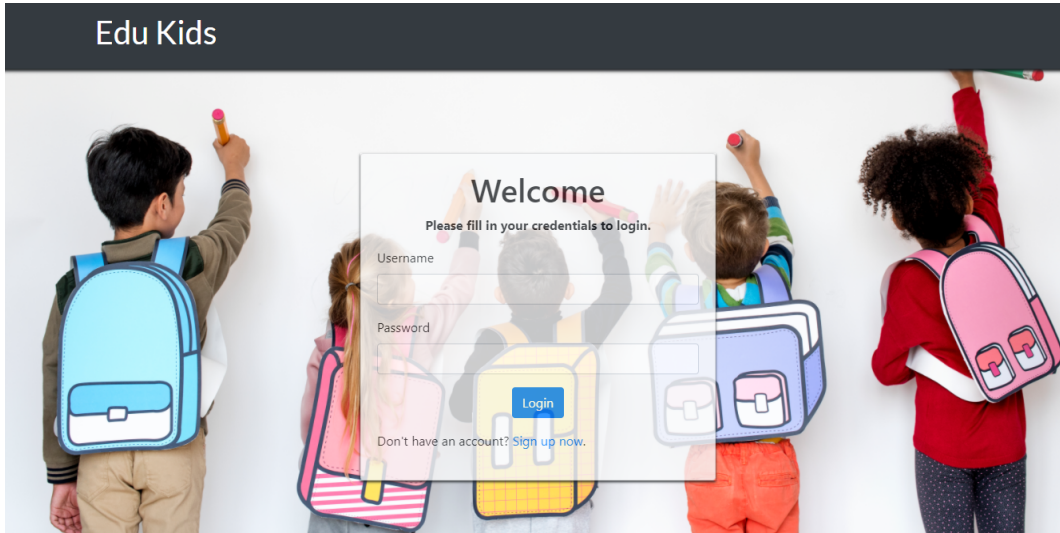


Figure 35: website 1

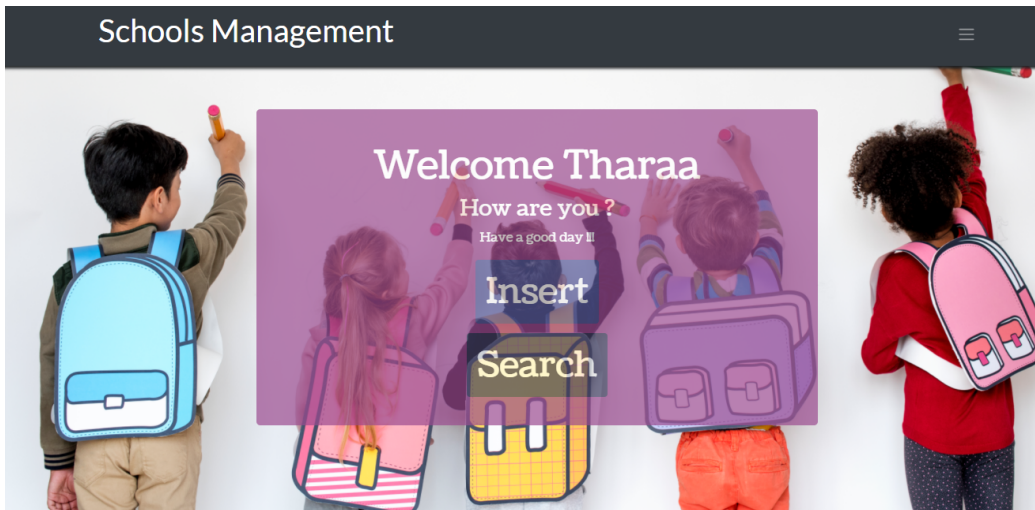


Figure 34: website 2

Based on the above images, the headmaster can choose one of the search or enter

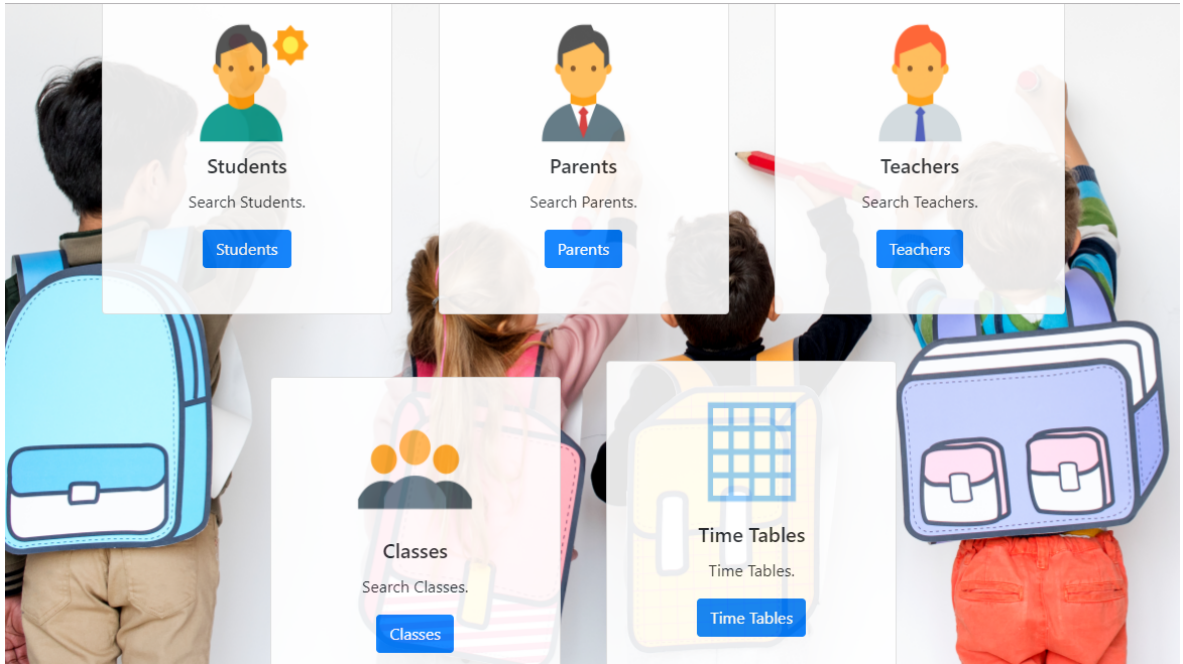


Figure 35: website 2

Based on the above list, the headmaster can review each of the previous lists as well as modify or add to them

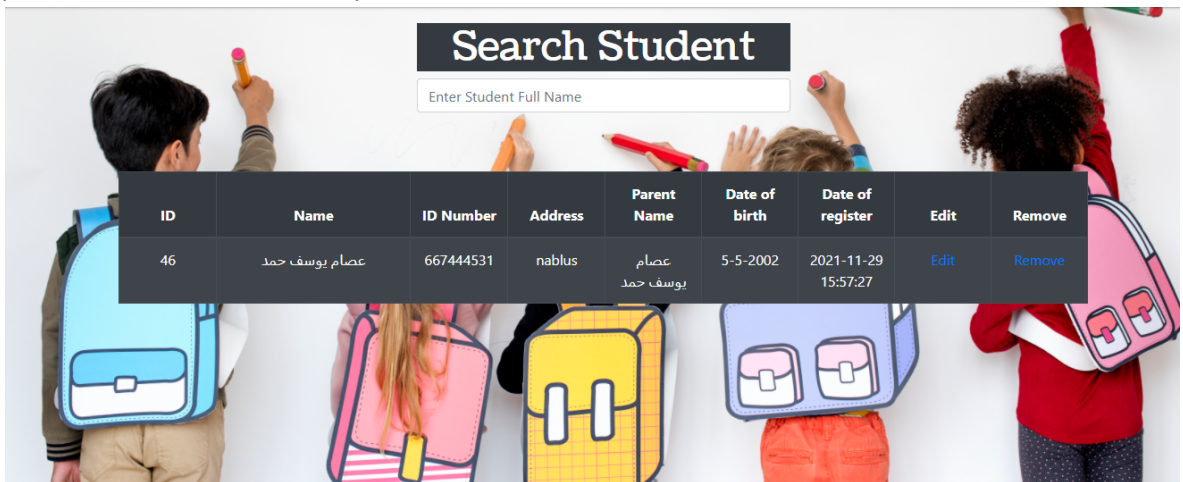


Figure 36: website 3

Full Name
عصام يوسف حمد

Grade
667444531

Date Of Birth
5-5-2002

Address
nablus

Update

Figure 37: website 4

Enter Student Username

Password

Enter Password

Confirm Password

Confirm Password

Full Name

Enter Student Full Name

Grade

Enter Student Grade

Date Of Birth

Enter Student Date Of Birth

Address

Enter School Address

Submit

The image shows a registration form overlay on a background of children's hands on a whiteboard. The form fields are: Enter Student Username, Password (with sub-field Enter Password), Confirm Password (with sub-field Confirm Password), Full Name (with sub-field Enter Student Full Name), Grade (with sub-field Enter Student Grade), Date Of Birth (with sub-field Enter Student Date Of Birth), Address (with sub-field Enter School Address), and a blue Submit button.

Figure 38: website 5

5.2 Database

This the database we used for our application

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id		int(11)	No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	username	text	utf8_unicode_ci	No				Change Drop More
<input type="checkbox"/>	3	password	text	utf8_unicode_ci	No				Change Drop More
<input type="checkbox"/>	4	fullName	text	utf8_unicode_ci	No				Change Drop More
<input type="checkbox"/>	5	schoolName	text	utf8_unicode_ci	No				Change Drop More
<input type="checkbox"/>	6	PhoneNo	text	utf8_unicode_ci	No				Change Drop More
<input type="checkbox"/>	7	DOB	date		No	None			Change Drop More
<input type="checkbox"/>	8	address	text	utf8_unicode_ci	No				Change Drop More
<input type="checkbox"/>	9	type	text	utf8_unicode_ci	No				Change Drop More
<input type="checkbox"/>	10	ParentOrSon	text	utf8_unicode_ci	No				Change Drop More

Figure 39: tables 1

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id		int(11)	No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	type	text	utf8_unicode_ci	No				Change Drop More
<input type="checkbox"/>	3	announce	varchar(1024)	utf8_unicode_ci	No	None			Change Drop More

Figure 40: tables 2

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	username	text	utf8_unicode_ci	No				Change Drop More
<input type="checkbox"/>	2	attitude	text	utf8_unicode_ci	No				Change Drop More

Figure 41: tables 3

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 name	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	3 path	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	4 des	varchar(256)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	5 doc_name	varchar(256)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	6 uploaddate	varchar(256)	utf8_unicode_ci		Yes	NULL			Change Drop More

Figure 42: tables 4

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 teacher	text	utf8_unicode_ci		No				Change Drop More
<input type="checkbox"/>	3 subject	text	utf8_unicode_ci		No				Change Drop More
<input type="checkbox"/>	4 section	text	utf8_unicode_ci		No				Change Drop More
<input type="checkbox"/>	5 examName	text	utf8_unicode_ci		No				Change Drop More
<input type="checkbox"/>	6 type	text	utf8_unicode_ci		No				Change Drop More
<input type="checkbox"/>	7 examWeight	text	utf8_unicode_ci		No				Change Drop More

Figure 43: tables 5

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id		int(11)		No	None	AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	username		varchar(1024)	utf8_unicode_ci	No	None		Change Drop More
<input type="checkbox"/>	3	fullName		varchar(1024)	utf8_unicode_ci	No	None		Change Drop More
<input type="checkbox"/>	4	subject		text	utf8_unicode_ci	No			Change Drop More
<input type="checkbox"/>	5	section		text	utf8_unicode_ci	No			Change Drop More
<input type="checkbox"/>	6	grade		varchar(1024)	utf8_unicode_ci	No	None		Change Drop More
<input type="checkbox"/>	7	teacher		text	utf8_unicode_ci	No			Change Drop More
<input type="checkbox"/>	8	examName		text	utf8_unicode_ci	No			Change Drop More
<input type="checkbox"/>	9	examType		text	utf8_unicode_ci	No			Change Drop More
<input type="checkbox"/>	10	examWeight		text	utf8_unicode_ci	No			Change Drop More

Figure 44: tables 6

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id		int(11)		No	None	AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	id_user		int(11)		No	None		Change Drop More
<input type="checkbox"/>	3	username		text	utf8_unicode_ci	No			Change Drop More
<input type="checkbox"/>	4	section		text	utf8_unicode_ci	No			Change Drop More

Figure45 tables 7

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id		int(11)		No	None	AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	teacher		text	utf8_unicode_ci	No			Change Drop More
<input type="checkbox"/>	3	subject		text	utf8_unicode_ci	No			Change Drop More
<input type="checkbox"/>	4	sectionA		text	utf8_unicode_ci	No	0		Change Drop More
<input type="checkbox"/>	5	sectionB		varchar(1024)	utf8_unicode_ci	Yes	0		Change Drop More
<input type="checkbox"/>	6	sectionC		varchar(1024)	utf8_unicode_ci	Yes	0		Change Drop More
<input type="checkbox"/>	7	sectionD		varchar(1024)	utf8_unicode_ci	Yes	0		Change Drop More
<input type="checkbox"/>	8	sectionE		varchar(1024)	utf8_unicode_ci	Yes	0		Change Drop More

Figure 46: tables 8

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id			No	<i>None</i>		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	teacher	utf8_unicode_ci		No				Change Drop More
<input type="checkbox"/>	3	section	utf8_unicode_ci		No				Change Drop More
<input type="checkbox"/>	4	subject	utf8_unicode_ci		No				Change Drop More
<input type="checkbox"/>	5	homework	utf8_unicode_ci		No				Change Drop More
<input type="checkbox"/>	6	exam	utf8_unicode_ci		No				Change Drop More
<input type="checkbox"/>	7	pdf	utf8_unicode_ci		No				Change Drop More

Figure 47: tables 9

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	Exam	varchar(256) utf8_unicode_ci		Yes	<i>NULL</i>			Change Drop More
<input type="checkbox"/>	2	Text1	longtext utf8_unicode_ci		Yes				Change Drop More
<input type="checkbox"/>	3	Text2	longtext utf8_unicode_ci		Yes				Change Drop More
<input type="checkbox"/>	4	creationDate	varchar(256) utf8_unicode_ci		Yes	<i>NULL</i>			Change Drop More
<input type="checkbox"/>	5	level	varchar(256) utf8_unicode_ci		Yes	<i>NULL</i>			Change Drop More

Figure 48: tables 10

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	Exam	varchar(256) utf8_unicode_ci		Yes	<i>NULL</i>			Change Drop More
<input type="checkbox"/>	2	QuestionText	varchar(256) utf8_unicode_ci		Yes	<i>NULL</i>			Change Drop More
<input type="checkbox"/>	3	Option1	varchar(256) utf8_unicode_ci		Yes	<i>NULL</i>			Change Drop More
<input type="checkbox"/>	4	Option2	varchar(256) utf8_unicode_ci		Yes	<i>NULL</i>			Change Drop More
<input type="checkbox"/>	5	Option3	varchar(256) utf8_unicode_ci		Yes	<i>NULL</i>			Change Drop More
<input type="checkbox"/>	6	creationDate	varchar(256) utf8_unicode_ci		Yes	<i>NULL</i>			Change Drop More
<input type="checkbox"/>	7	level	varchar(256) utf8_unicode_ci		Yes	<i>NULL</i>			Change Drop More

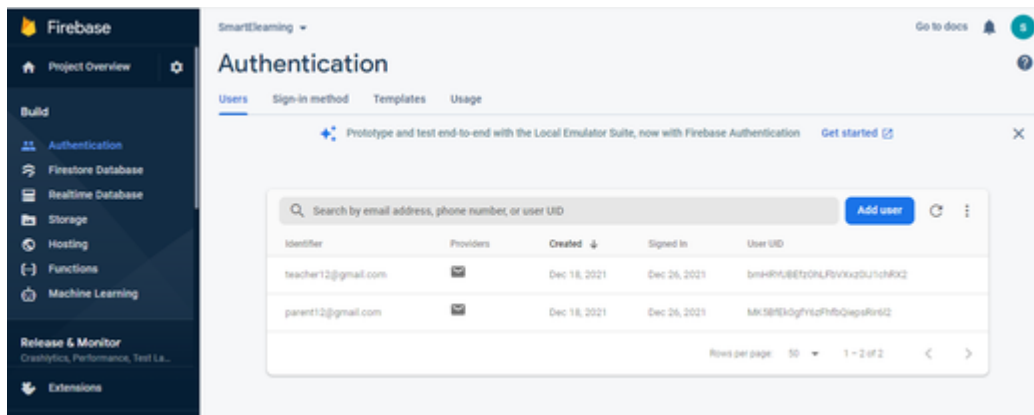
Figure 49: tables 11

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	TeacherID	varchar(256)	utf8_unicode_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	2	Exam	varchar(256)	utf8_unicode_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	3	MultipleQuesNo	varchar(256)	utf8_unicode_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	4	DragDropQuesNo	varchar(256)	utf8_unicode_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	5	CreationDate	varchar(256)	utf8_unicode_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	6	ExamID	varchar(256)	utf8_unicode_ci	No	None			Change Drop More

Figure 50: tables 12

Firestore

we used it in chat feature



SmartElearning - Go to docs

Cloud Firestore

Data Rules Indexes Usage

Prototype and test end-to-end with the Local Emulator Suite, now with Firebase Authentication [Get started](#)

users > XAV8ubruetzSa8...

smartelearning-ofab	users	XAV8ubruetzSa8M4Mx06
+ Start collection	+ Add document	+ Start collection
messages	XAV8ubruetzSa8M4Mx06	+ Add field
users >	gH4FBjvVdK09E12YX9v	pass: '40549@m' username: '123'

Platforms Analytics Administrators Keys & IDs Messaging

SmartElearning > Settings

App Settings

Email

PH Email

SMS

SMS

Web Push Platforms

All Browsers

Native App Platforms

Apple iOS

Google Android Active

Microsoft Android

FLA

Place
ema
or we
get t

Smart.com > Settings

Keys & IDs

OneSignal Keys

OneSignal App ID

4c3d9f21-6418-4a76-95e9-29036b4e113a

REST API Key

-----00V

Generate New API Key

Identity Verification for email + externalId (recommended)

Key Security

Treat your API key like a password.

Anyone who has your REST API key will be able to send notifications from your app. Do not expose the REST API key in your application code. Do not share it on GitHub or anywhere else online. [Learn more](#)

Activate Windows
Go to Settings to activate Windows

6 Results and discussion

We have created this application to help all parents in following up on their children's academic affairs, as well as notes sending by teachers, who in turn do entering and recording all the information related to first-year students in all the sections in terms of their scores and behavior. They can also enter exams and scores for each student, in addition to sending notes.

In addition ,its an important application for the students,they can access and view their materials and everything related to it, including exams, assignments and marks.

7 Conclusion and recommendations

7.1 Conclusion

The presence of an assistant application such as the Edukids application is one of the important things that contribute to the educational process in terms of its facilitation and flexibility, which enables students parents, especially workers who cannot follow up on their children's academic affairs during their working hours to stay in contact with teachers any time they want

7.2 Recommendations

We recommended using flutter for building a cross platform mobile application, because it is easy to learn and easy to implement.

7.2.1 Future work

We aim to make the Edukids application a comprehensive application for all primary school stages.and the possibility of creating electronic lessons between the teacher and students using zoom

In addition to the possibility of developing the entertainment section of the application for students of all primary levels.

References

- [1] <https://www.youtube.com/watch?v=1ukSR1GRtMU&list=PL4cUxeGkcC9jLYyp2Aoh6hcWuxFDX6PBJ>
- [2] <https://pub.dev/>
- [3] <https://www.udemy.com/courses/search/?src=ukw&q=flutter+>
- [4] https://www.youtube.com/watch?v=qfm-mG-BCJs&list=PL93xoMrxRJltdRumqoIHxOUT-LHK8_39N