Learning Platform

This learning platform is a mobile application (cross platform IOS/Android) for sharing videos lectures, has a lot in common with **Udemy**, where any content maker can share his/her educational videos and files while having them secured from copying

The platform is going to depend on distributors located in IRAQ. They are selling points where the courses will be sold and the income will be delivered to the content maker (Teacher) after collecting a pre-defined percentage. The content maker (Teacher) is going to give the platform owning identity a pre-defined percentage.

The learning platform supports three languages: Arabic, English, and a third language to be decided later , each one loads its text from predefined tables accessible by the admin/admin assistant

This is the technical section that shows the main specifications need to be included

Flash Screen for 0.5 Second

After running the platform, a flash screen will show up for 0.5 second
It contains the LOGO of the platform
There is a plan for making a graphical identity for the platform that gives it a unique look

Running the platform for the first time

Once the platform was run for the very first time , the user have to select one of the below three categories and an Iraqi phone number will be required

➢Student (Name, School, Grade, Province, Date of Birth, and Phone No.)

➢Teacher (Name, Specialty, School, Province, and Phone No.)

➢Distributor (Name, Library Name, Province, and Adding the location to Google Maps , Phone No.)

*confirmation code to be sent to the user via telegram to confirm the registration.

The password will be auto saved

When the user run the platform app again, it won't ask for the password and won't show the registration page

In case the user forgot the password, it can be retrieved through a text message (SMS) either through the forgot password option or after contacting the platform HELP & SUPPORT option

Teacher's Home Page

Home page

In the different pages, all columns can be "Sorted By" ,
The teacher can authorize someone else (an Assistant) to access his account
With the ability of Hide/Unhide the financial details

My Assistance Accounts

My Courses

Library

Distributors

My Profile

My Students

Financial Management

Courses

Teacher

Searching in the courses database to find the available courses by grade and subject

Teacher's Name # Registered Students Rate (1 to 5)	MATH I
Teacher's Name # Registered Students Rate (1 to 5)	MATH II
Teacher's Name # Registered Students Rate (1 to 5)	ENGLISH I

Teacher

ADD to Library

The Teacher can upload documents for public use and he will appear as the uploader

Accessible by Everybody
Contains the uploaded Summary, book, Tutorials, and any other support files

Number of Downloads	Uploaded By	File Name

Teacher

Review

Students

Registered
Students
Rate (1 to 5)

MATH II

Students

Registered
Students
Rate (1 to 5)

MATH I

Students

Registered
Students
Rate (1 to 5)

Teacher

Add announcement

Attach File

Live Streaming

Add New Homework

Registered Students
Rate (1 to 5)

My Courses

MATH I

Attachments	Comments	Completion Question	Video1
Attachments	Comments	Completion Question	Video2
Attachments	Comments	Completion Question	Video3
Attachments	Comments	Completion Question	Video4
Attachments	Comments	Completion Question	Video5
Attachments	Comments	Completion Question	Video6

Homework1

Homework2

Homework3

Hide file

Hide exam

Hide video

The Teacher can reply to comments or report them to the Admin for
Comment Deletion
Comments on Comments
The Teacher can add new homework and can upload attachments

Teacher

Registered
Students
Rate (1 to 5)

My Courses

MATH I

Attach File

Upload   Choose File   File Name

Teacher

Registered
Students
Rate (1 to 5)

My Courses

MATH I

Add New Homework

Upload

Homework's
Description
and/or Google
Forms Options

Homework's Title

Submission Date

Teacher

Add Student

Status	Progress	Group	Province	School	Student Name
Waiting for Activation					
Active					
Active*					

Once the student pay to the distributor, his/her status become: Waiting for Activation

Once the teacher receive his money from the distributor, the teacher can update the student's status to: Active

The teacher can deactivate students within 5 minutes , after that , only Admins and Admins assistants can deactivate students

If the Teacher paid the student's percentage to the learning platform, the Admin or Admin assistant change the student's status to: Active*

All columns can be "Sorted By"

There is a "Progress Level" for each student based on video watching time and tutorial solving

The teacher (or his/her assistant) can add a student directly. It will be in waiting for activation* status.

Teacher

Searching in students names **to add them directly** OR **to generate QR code** ,
that can be shared with the student
In both cases, the teacher's name shows as a distributor
A discount can be applied , it needs the admin approval though

Teacher

Marks	Homework		Group	Student Name

When clicking on the homework's option for any student, the student's answer will be showing with a place for grading it , writing a note to the student , and even attaching a file
The homework can be in Google form

Teacher

Review

Students

Registered Students

MATH II

Students

Registered Students

MATH I

Students

Registered Students

Teacher

Add Student

Group Name

Status	Progress Level	Marks	Group	Province	School	Student Name
Active						
Waiting for Activation						
Active*						

Once the student pay to the distributor, his/her status become: Waiting for Activation

Once the teacher receive his money from the distributor, the teacher can update the student's status to: Active

The teacher can deactivate students within 5 minutes , after that , only Admins and Admins assistants can deactivate students

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Teacher

Searching in students names **to add them directly** OR **to generate QR code** ,
that can be shared with the student
In both cases, the teacher's name shows as a distributor
A discount can be applied , it needs the admin approval though

Teacher

MATH I

Add announcement

To:

Select from a drop down list:
  All Students
  Student Group1
  Student Group2

Send

Accept replay

▮ **Yes** ▮**No**

Message Title
Message Body
Message Priority
And Message Reminder (a reminder added to the calendar)

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Teacher

The teacher can authorize someone else (an Assistant) to access his account
With the ability of Hide/Unhide the financial details

ADD Assistance Accounts

REMOVE Assistance Accounts

CHANGE Permission of an Assistance Accounts

Teacher

The teacher can search the database and select a person and authorize him to be an Assistant
The Assistant can access the teacher's account
The Teacher always has the ability to Hide/Unhide the financial details

Teacher

Financial Management

Distributor's Account

Review

MATH II

MATH I

Students

Students

Students

Waiting for Activation Students
Active Students
Active* Students

Waiting for Activation Students
Active Students
Active* Students

Waiting for Activation Students
Active Students
Active* Students

Teacher

Status	Province	Distributor	School	Student Name
Waiting for Activation				
Active				
Active*				

Once the student pay to the distributor, his/her status become: Waiting for Activation

Once the teacher receive his money from the distributor, the teacher can update the student's status to: Active

The teacher can deactivate students within 5 minutes , after that , only Admins and Admins assistants can deactivate students

If the Teacher paid the student's percentage to the learning platform, the Admin or Admin assistant change the student's status to: Active*

All columns can be "Sorted By"

There is a "Progress Level" for each student based on video watching time and tutorial solving

The teacher (or his/her assistant) can add a student directly. It will be in waiting for activation status.

Teacher

Remaining to the platform	Active* Students	Unpaid	Active Students	Waiting for Activation Students	Discount	Course Price	The Course	Province	Distributor's Name
					Total				

All columns can be "Sorted By"

When clicking on the number representing (Waiting for Activation Students) , the app opens the My Students page related to the corresponding course , the teacher can activate any student according to the financial commitment

Clicking on a distributor's name, opens his/her profile page

The showing distributors are only those added by the teacher (to be able to generate QR Codes for the teacher's courses)

Deleting a distributor requires admin approval , in case there was Waiting for Activation Students

When Deleting a distributor, an attention needs to be paid to the financial relationships, categorizing them, and archiving them.

In the Teacher's account, by default, the teacher is listed as a distributor so he/she can add students directly. This default account will not be listed in the distributors' list that shows to all teachers. This default account shows in the admin's and teacher's accounts (and their corresponding assistants)

Teacher

Activation / De-activation Selection	Waiting for Activation Students

Activation

There is a check box next to each student , the Teacher or his/her assistant can activate/deactivate a student or more
The students that can be de-activated are only those showing to the distributor as "Waiting for Activation

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Teacher

Balance Remaining for the Platform	# of Active* Students	Distributor's Owe This Amount	# of Active Students	# of Students Waiting for Activation	Delete	Province	Distributor's Name
					X		
					X		
					X		
				Total			

Clicking on Distributor's Name Opens The Distributor's Profile Page
The listed Distributors are only those added by the Teacher to be able to generate\sell the QR codes
Deleting a Distributor requires admin approval in case there are pending for activation requests
Paying attention to the financial details when deleting a distributor: archiving and categorizing the financial details

Teacher

Searching the distributors' names
That registered in the Learning Platform
Then adding them as distributors for specific courses and allow them to generate the corresponding QR codes

Teacher

Adding a Photo for the Teacher
With a brief description
(The Teacher , the admin, and admin assistant can edit these two fields)

Review	MATH II	MATH I
# Registered Students Rate (1 to 5)	# Registered Students Rate (1 to 5)	# Registered Students Rate (1 to 5)

Teacher

Rate The Distributor	Change Distributor's Status	Rate (1 to 5)	Courses	Location	Province	Distributor's Name
5-1	Active Distributor					5-1
	Inactive Distributor					

all columns can be "Sorted By" ,
For Each distributor, when clicking on courses, the available courses shows up

Student

Information include
    Student's name
    Profile photo
    Grade
    School
    Province
    Courses names (registered by students) with progress.

An avatar photo can be selected such as: doctor, lawyer, officer, engineer, taxi driver, and other jobs

Student

Searching the in distributors' database , the distributors in the same province (with the student) will be showing first for the student

The student can select a distributor and see the listed courses under that distributor

Following a distributor means getting notifications for his **public actions**, the same happen when following a teacher

| follow | Province
Available Courses
Location
Rate (1 to 5) | Distributor 1 |

When clicking on the available **courses**, the courses related to each distributor is going to be listed

When clicking on the **location**, it will open the default maps app and locate the distributor on the map

| follow | Province
Available Courses
Location
Rate (1 to 5) | Distributor 2 |

| follow | Province
Available Courses
Location
Rate (1 to 5) | Distributor 3 |

Student

Searching in the teachers database to show the teachers courses and no. of student enrolled in each course as well as the curses evaluations

follow	Courses Total # of Students	Teacher 1

follow	Courses Total # of Students Rate (1 to 5)	Teacher 2

follow	Courses Total # of Students	Teacher 3

Student

Searching in the courses database to find the available courses by grade and subject

Teacher's Name
Registered Students
Rate (1 to 5)

MATH I

Teacher's Name
Registered Students
Rate (1 to 5)

MATH II

Teacher's Name
Registered Students
Rate (1 to 5)

ENGLISH I

Student

Add Course

Teacher's Name
Registered Students
Rate (1 to 5)
Distributors

MATH I

By clicking on distributors, the distributors has the rights to distribute this course will appears (for the same province of the Student at first)

Student

A windows for SCANNING QR code is showing here , to ADD a specific course

The student will be showing a ***confirmation message*** stating that this code is for a specific course where the course name, teacher's name, and the course price is going to be displayed
The student can use or not use the QR code based on that

Student

A windows for SCANNING QR code is showing here , to ADD a specific course directly

The student will be showing a ***confirmation message*** stating that this code is for a specific course where the course name, teacher's name, and the course price is going to be displayed
The student can use or not use the QR code based on that

Student

Course Evaluation	Marks	Progress Level	Teacher's Name # Registered Students Rate (1 to 5)	MATH I
Course Evaluation	Marks	Progress Level	Teacher's Name # Registered Students Rate (1 to 5)	MATH II
Course Evaluation	Marks	Progress Level	Teacher's Name # Registered Students Rate (1 to 5)	ENGLISH I

The Student can evaluate the course ONLY after watching 60% of the course videos.
The evaluation is from 1 to 5 stars
Comments can also be added , The admin can approve them or decline them
Approved comments will be published

Student

MATH I

Marks

Progress Level

Live Stream

Homework1	Attachments	Comments	Completion Question	Video1
Homework2	Attachments	Comments	Completion Question	Video2
Homework3	Attachments	Comments	Completion Question	Video3
	Attachments	Comments	Completion Question	Video4
	Attachments	Comments	Completion Question	Video5
	Attachments	Comments	Completion Question	Video6

Student

Homework1

Upload Solution

The Result

When pressing "upload solution" the app will open the camera to take a photo or more to be attached
Or give the user the option to select from the gallery

Student

Accessible by Everybody
Contains the uploaded Summary, book, Tutorials, and any other support files

Number of Downloads	Uploaded By	File Name

Distributor

Alerts about un activated students and new courses

Techers

Library

courses

My Teachers

Finance

My Profile

Distributor

QR code Generation	Math 1 Evaluation Total students Enrolled No. of Un active Students No. of Active Students	Techer 1
QR code Generation	Math 2 Evaluation Total students Enrolled No. of Un active Students No. of Active Students	Techer 1
QR code Generation	English Evaluation Total students Enrolled No. of Un active Students No. of Active Students	Techer 2

appered courses are the courses that the distributor has the right to distribute
The information abut active and un active students are for the students registered through that distributor

Distributor

To generate the QR code that belong to the course that can be shared through whtssup, viber, telegram etc.
The QR code involve the course information as well as teacher, distributor, cost, as well as the time stamp
The QR code deactivated directly after been scanned and used so as to not be used twice

Distributor

- Searching on the courses database for requesting the distribution rights for the some courses
- Can be filtered according to the stage and the specialty

Request course distribution	Techer name Enrolled Students Evaluation	Math 1
Request course distribution	Techer name Enrolled Students Evaluation	Math 2
Request course distribution	Techer name Enrolled Students Evaluation	English

Distributor

Information abut the teacher and his mobile no. for contacting and requesting the distribution rights

Distributor

- Add photo for the distributor and some info abut it (editable)
- The page to be generated automatically for each distributor that includes the courses he had the right to distribute

Distributor

Searching on the teachers database for checking the teachers homepage including the courses. no, of enrolled students as well as courses evaluation

Courses Total students Enrolled	Techer 1
Courses Total students Enrolled	Techer 2
Courses Total students Enrolled	Techer 2

Distributor

Techer 1

Comprehensive Review	Math 2	Math 1
Enrolled Students Evaluation	Enrolled Students Evaluation	Enrolled Students Evaluation
Request course distribution	Request course distribution	Request course distribution

Distributor
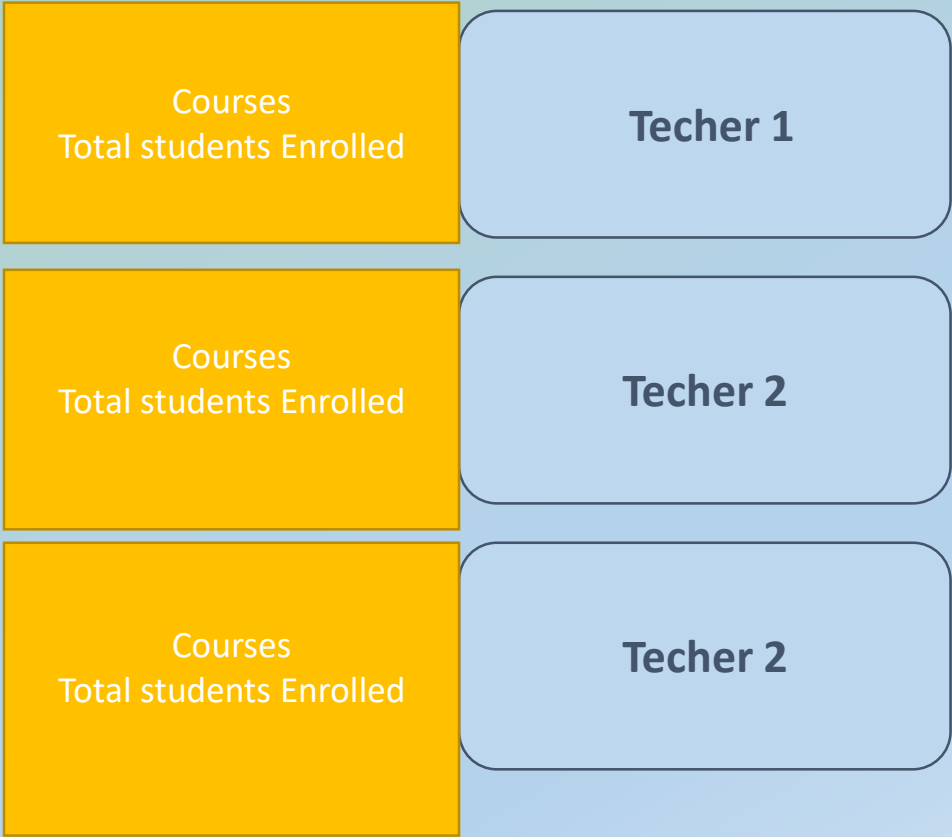
Information abut the teacher and his mobile no. for contacting and requesting the distribution rights
Teacher has to add the distributor to his distributor list.

Distributor

Add to library

Can add new file as pdf. And he will recorded as uploader

All uploaded files (in the library) to appear here

No. of download	Uploaded by	File name

Distributor

Un-Paid $	Paid $	Active Students	Un active students	Total Students	Discount	Price	Course	Teacher
					Total			

Admin

Distributors

Teachers

Students

LSA

$

Library

Courses

Create AD

Add Assistant

History

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Admin

Delete	History	ID	Phone No.	No. of Courses	Province	Student Name
Delete						
Delete						

- On clicking on the phone number, it initiate a call using Viber or WhatsUp
- On clicking on the student name, it takes us to his profile page
- There is a "Sort-By" ability on each column
- The history column shows the registration time, the dates of enrolling to courses , etc.

Admin

Delete	Status	History	ID	Phone #	students	Courses	Province	specialty	Tech. Name
Delete	Active								
Delete	Inactive								

- On clicking on the phone number, it initiate a call using Viber or WhatsUp
- On clicking on the students it displays the students status according to courses
- On clicking on the courses it displays page to add a new or delete or modify the courses
- On clicking on the teacher's name, it takes us to his profile page (Editable Page)
- There is a "Sort-By" ability on each column
- The history column shows the dates of creating courses, the generated QR codes, the accepted students, etc.

Admin

courses

Techer 1

Enrolled Students Evaluation	Math 1
Enrolled Students Evaluation	Math 2
Enrolled Students Evaluation	Comprehensive Review

ADD Course

CHANGE Course

REMOVE Course

- In each course, the admin can add/change, or delete: videos, files, questions (regular question and google form questions)
- Course Rating (for example five starts)
- Each course has a summary of the number of students, number of vidoes, number of files, etc.

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Admin

Teachers

courses

Techer 1

ADD Course

Hide file

Add file

Hide exam

add exam /google form

Course name

Course price

Add video

Hide course

Hide video

Admin

Add file

add exam /google form

Course name

Course price

Add video

Teachers

courses

Techer 1

Modify Course

Admin

Teachers

courses

Techer 1

Course name

REMOVE Course

Remove

Admin

Delete	Status	History	ID	Phone #	students	Courses	Province	Distr. Name
Delete	Active							
Delete	Inactive							

- On clicking on the phone number, it initiate a call using Viber or WhatsUp
- On clicking on the students number, it displayed the students status belong to this distributor
- On clicking on the distributor's name, it takes us to his profile page (Editable Page)
- There is a "Sort-By" ability on each column
- The history column shows the student's names, the generated QR codes, the status of each student, etc.
- Clicking the course, opens the course he has a right to distribute

Admin

ADD

All uploaded files (in the library) to appear here

Can add new file as pdf. And he will recorded as uploader

Show/Hide	Delete	Uploaded by	File

Admin

- When clicking on the course, it takes us to the "course Home Page"
- Students and Teachers have the ability to write comments and reply to a comment
- Admin can delete / hide inappropriate comments

comments	evaluation	No. of Students	Teacher	course

Admin

- To create an advertisement to all or to a certain groups of Students
- To create an advertisement to all or to a certain Teacher
- To create an advertisement to all or to a certain Distributor

- The AD can be a short video, animation, a poster, or any other graphical form

The Admin and Admin assistant should be able to send chat messages as well for announcements

Admins and their assistants can also send chat messages to Teachers and Distributors

Select from a drop down list:
    All Students
    Student Group1
    Students course

Message Title
Message Body
Message Priority
And Message Reminder (a reminder added to the calendar)

Admin

Teachers $

Notes	specialty	Course	Teacher
		math1	Techer 1
		Math 2	Techer 1
		English	Techer 2
		math1	Techer 3

Admin

Notes	Unpaid $	Paid $	Total Students	active * students	Active Students	inactive * Students	Price	Course	Teacher
								Math 1	Teacher 1
									Total

Admin can select active student to transfer them to active * students as one by one or a package through check box
An alert sent to the teacher to mention that no. of students became active * in specific course

Admin

Students $

To search in all student database
All students registered to the courses to be appear first then the other students

Notes	Province	stage	student
			Student 1
			Student 2

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Admin

Balance	Notes	Active / Inactive/ active *	Province	Teacher	Course	Student
						Total

- Clicking on a student opens his profile page

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Admin

Distributors $

To search in all distributor database

Notes	Province	statues	Distributor
		active	
		inactive	
		deleted	

Admin

Balance	Notes	Discount Percentage	Total Students	Active * Students	Active Student	Inactive Students	teacher	Course	Distributor
	$								Total $

- Clicking on a distributor opens his profile page

Admin

- Shows the history of:
  - Teachers
  - Students
  - Distributors
  - Assistance
  - Admin

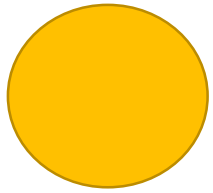# Admin

- Can add an assistant
- Assistants can see what admins see EXCEPT
    - $
    - Deleting Teachers
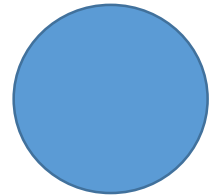   - Deleting Students
    - Deleting Distributors
    - LSA

Admin

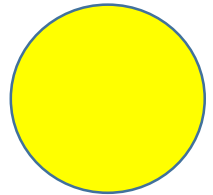To display the total amount of profit by day (from active to active* transfer)

Color map

dynamic info

Link to another page

Title only

General Remarks

- The lectures will be uploaded to unlisted YouTube channel and the links will be shared on the curses homepage by the admin

- The platform team will be responsible for the cloud hosting as well as google play and apple store registration

- The developer give an advice abut the required cloud requirement and security

- The application source code property is transferred to the platform team in the end of the development

- Each student, teacher and distributor to be assign to specific ID

- Upon the video streaming the application should kill all non system process in the mobile as well as prevent screen recording

- The login / logout to the application should not be more than 3 times for the student. Then it will be warned

- For farther login he has to contact the admin

- All history report generated by admin can be exported as excel or txt

- All tables can be filtered