

# Kindergarten App

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## ■ Why Android?

Nowadays the Android system is the most common one in the world, which sustains the smartphone usage for any needs we have, fact that had lead to development of this application





## ■ Why a Kindergarten app?

When the children is 2 years old, he can't describe what he's doing at the kindergarten.

Through this application, parents can receive detailed answers about the children's activity throughout he's staying. In addition, both parents and educator benefit for a way to communicate faster through messages, which can be send directly from the application



## Main menu



Meniu admin



Meniu educator



Meniu user



## ■ Functionalities

For example. We are logged in with an admin account and we want to post an announcement about something



To do that, once we are in the main menu, we can select the Post announcement option, which leads us to the next page where we can write the actual announcement.



## ■ Posting an announcement

The screenshot shows a mobile application interface for posting an announcement. At the top, there is a blue header with a white circular logo. Below the header, there is a text input field labeled "Title". Underneath the title field is a large, empty text area labeled "Announcement". At the bottom of the screen, there is a blue button with a white circular icon and the word "POST" in white capital letters. The status bar at the very top shows the time as 20:05 and the battery level as 13%.

Once we are in this page we can give our announcement a title and write it as we wish.



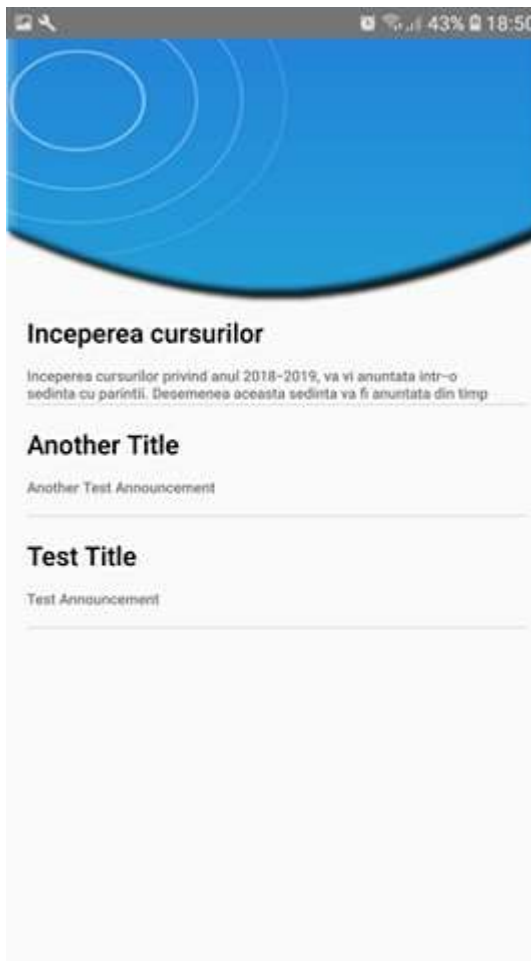


## ■ How can we see the announcements?

A user or educator can see the announcement by accessing View announcements from the main menu, which will lead him to a list of all the existing announcements.



# Announcements stages







## How does this system work?

### **For the admin part:**

- The app sends a request of type POST to the server with a hashmap that contains the announcement title and content
- Before being persisted in the database, the server verifies the value of each key to avoid the SQL Injection or the insertions of an empty field in the database.
- When the server is done with all the verification, the announcement is persisted in the database and a JSON with the message "success" is send to the application if everything went normal, or "error" if something went wrong..















## ■ How does this system work 2

### For the user/educator part:

- The app sends a request of type GET to the server. By that, all the announcements from database are received.

				id	title	atext
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	Test Title	Test Announcement
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	Another Title	Another Test Announcement
<input type="checkbox"/>	 Edit	 Copy	 Delete	10	Inceperea cursurilor	Inceperea cursurilor privind anul 2018-2019, va vi...

- Once all the information is received as JSON, our application sets everything in place to create the announcements list page and the announcement view page.



## ■ Alte caracteristici ale aplicației

The application is developed in JAVA using .xml files for user interface

The APIs are developed totally in PHP to connect the app with the database.