

Experts Cloud- A mobile application to find local tutors

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ABSTRACT - In this busy world, despite everything being automated in the field of learning, we still prefer the traditional method i . e., offline lectures but it gets tough to search tutors for any subject. Learning programs for peer tutorial sessions among students are helpful for personality growth but matching of tutees with tutors takes time especially for complex and complicated fields. We proposed a platform (Experts Cloud - A mobile application) to find a subject expert tutor through mobile application to ease the process. In addition, i t provides platform for people (tutors) to earn from their expertise. The platform is executed using Firebase and Flutter. It gives field experts a chance to list up their courses and use the app for a better reach. Students can select the fields according to their comfort and suitability. They have a chance to compare the rating, field of interest, mode of learning, course price etc. The platform not only helps in academic growth of a student but also to any individual who is willing to inculcate new skills like playing any instrument, baking, dancing, art and craft, etc. Our implemented system is helpful for students and the parents to find the tutor in the nearby location.

Key Words: Mobile application, tutor finder, live sessions, Flutter, Firebase

I. INTRODUCTION

Today many local tutors are not much renowned and are unable to reach out to the people. Due to lack of publicity and marketing, their skills are not appreciated, and their talent cannot be recognized by the community. Students or learners who are in

search of classes for their respective areas of interest can explore through our application and get acquainted with the best local tutors at the best price. Along with this, they can select the suitable mode for the classes i . e online or offline mode. Our application can be the bridge between the learners and the tutors. In this busy world searching for field experts is a tiring job. Hence, we proposed an idea to find a field expert tutor through mobile application to make the process effortless. The proposed work has the common platform where the teacher and the student have access to the platform having separate views. In this application students can register and view the availability of the field expert elicited from the rating of the tutor.

Aim

The aim of our project is to support the local and private tutors, to teach students by arranging best tutors and best classes all in one application. To make an efficient, student beneficial and local teachers' supportive application.

Technical Approach

We designed the layout, the internal structure required using flutter framework. Basically, dividing the project in two halves, one for learner's profile and the other for expert's profile worked best for us. Both will have to complete the registration with verification. Then experts can list up their course and learners can explore through the application to find the pre-eminent one according to their field of interest and their choice of mode of learning like maybe online, offline after comparing course price and location. Learners will have to pay through our portal itself

and then our application will transfer the money to the tutor in installment. There will also be a

feedback link and complaint chat portal if found any issues.

II. IMPLEMENTATION

Block Diagram:

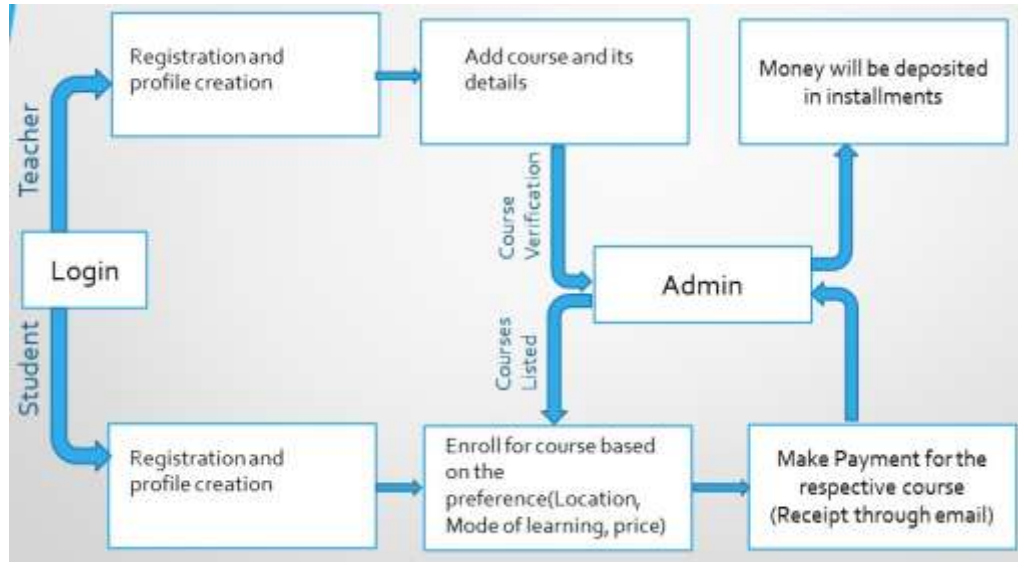


Fig.1: System Block Diagram

The above Figure is divided into 4 sections as shown in above fig 2. 3 - Login, Student, Admin and Teacher section. It is described below: -

1 Login:

Whenever any user enters the application, it has to complete the login procedure using it's email and password that they used while creating the account.

2 Student section:

Registration and login : Students have to create their account and complete the registration process by filling in their name, domain of interest, age, gender, domain of interest password, confirm password,

Enroll for course : Student can enroll to the course of their respective field interest by looking at the year of experience, rating, mode of teaching, location, course price.

Transaction : After choosing the course, they have to make the payment using the payment gateway. Once the payment is su

ccessful, the end- user will receive an email with the invoice.

3 Admin section:

Admin will verify the course added by the teachers, and once it's done the course will be listed for students to lookup. Admin will send the money in installments to the tutor for security purpose.

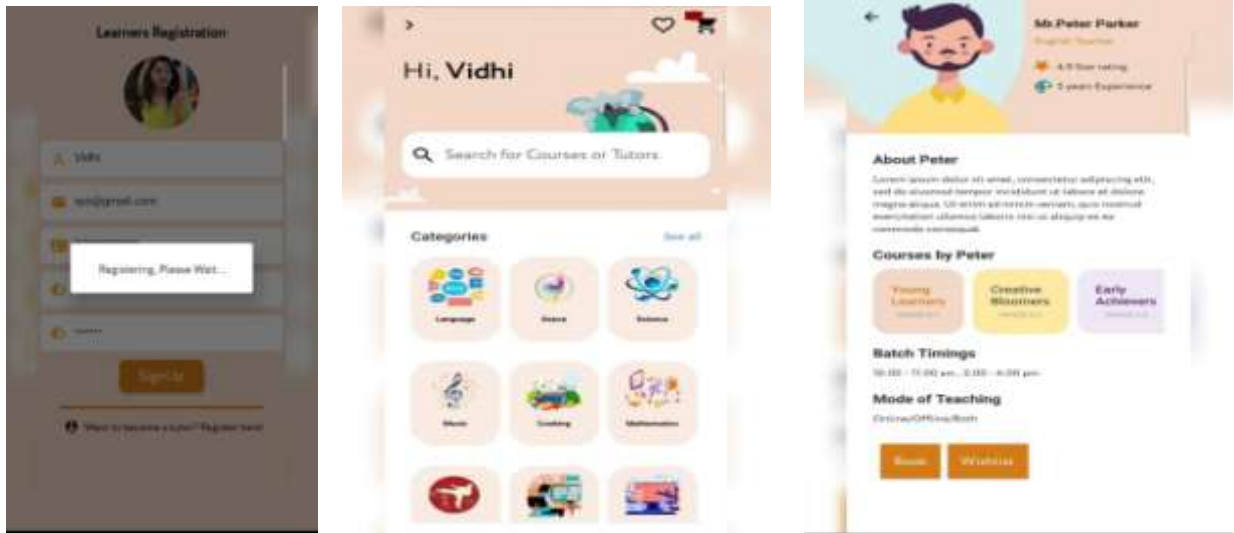
4 Teacher section:

Registration and login : Teachers have to create their account and complete the registration process by filling in their name, domain of interest, mode of learning, age, gender, years of experience, password, confirm password.

Add course : Teachers can add multiple courses in their profile. They have to add some documents verifying their experience. They can see how many students enrolled for their course.

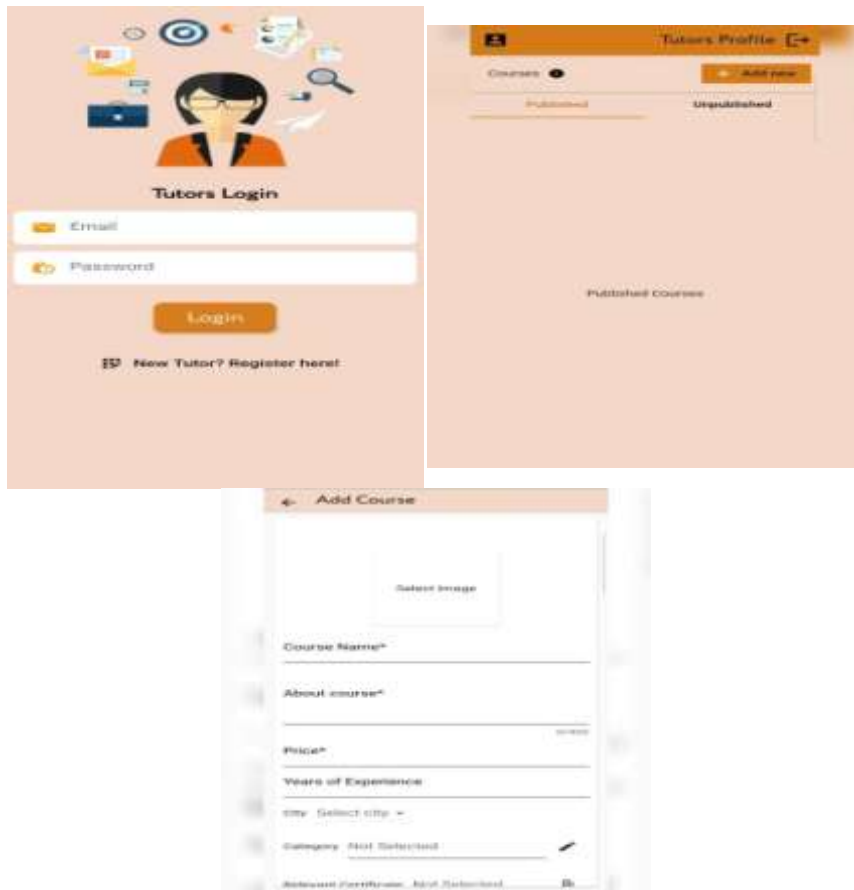
Money transaction : They will be provided money in installments after students pays for their course.

III. IMPLEMENTATION RESULTS



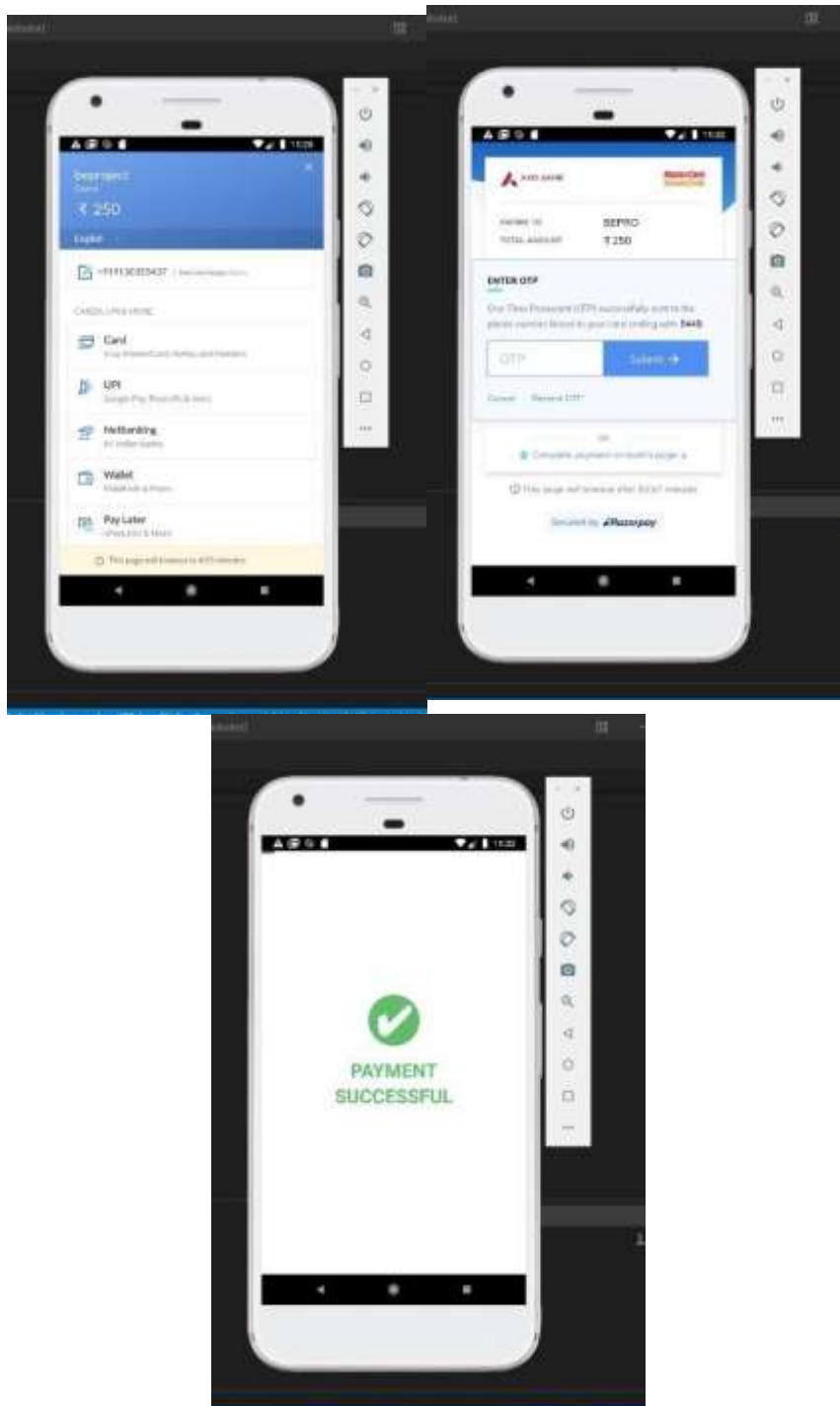
a) Registration Page b) Home Page c) Teachers Page

Fig.2: User Interface for Tutee



a) Login Page b) Dashboard c) Add Course page

Fig.3: User Interface for Tutor



a) Card Details Page b) OTP Page c) Payment Success Page
Fig. 4: Interface for Payment Gateway

IV. CONCLUSIONS

Experts Cloud is a mobile application to benefit any individual who aspires to teach. We offer learners to find their perfect trainee according to their

interest and comfort. The implemented application encourages local employment. To increase the user engagement, we created a simple yet appealing User Interface using Flutter. The user

authentication is managed by firebase. Our platform not only helps in academic growth of a student but also to any individual who is willing to inculcate new skills.

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It gives immense pleasure in bringing out this paper entitled “ Experts Cloud- A mobile application to find local tutors ”.

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