

Epilux

The more you see the more you learn.

Unofficial Codechef Android app for notifying upcoming challenges, browsing all problems and profile of coders .

App Introduction

Epilux is an Unofficial Android app for Codechef. This app provides various features to coders like notification of new upcoming challenges, previous contest problems and ratings.

With this app one can easily explore and search various contest details and subscribe to get notification of the events.

Our Tagline “The more you see the more you learn” emphasis on the learning and viewing problems anywhere and at any time.

With the era of mobile apps , we think that a portable and fast version of codechef android app will surely help coder and programmer community to enhance their skills and schedule themselves for the challenges.

Instructions/functionality

○ Step 1: Create a Codechef account using loginID and Password(Google , facebook and git authentication are currently not acceptable in the app).

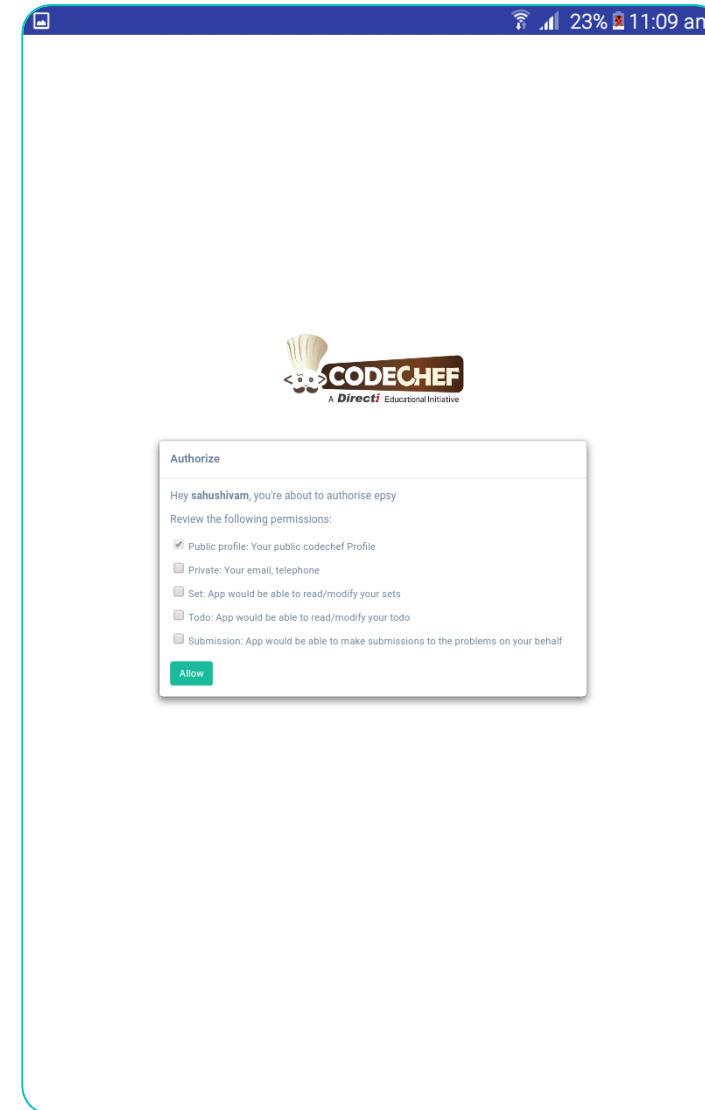
○ Step 2: Login to Our app using your credentials.

The screenshot displays the CodeChef website interface. At the top, there's a navigation bar with the CodeChef logo and a banner for the 'Data Structure & Algorithms Programme' exam starting on 23rd Sept 2018. Below the banner, there are tabs for 'New User' and 'Login'. The 'Login' tab is active, showing a login form with fields for 'Username' and 'Password', and a 'Login' button. There are also links for 'Forgot Password' and social media authentication (Google, Facebook, GitHub). Below the login form, there's a section for 'About CodeChef' and 'Directi' logo. The footer contains a table of links categorized into 'Programming Tools', 'Practice Problems', and 'Initiatives'.

Programming Tools	Practice Problems	Initiatives
Online IDE	Easy	Go for Gold
Upcoming Coding Contests	Medium	CodeChef for Schools
Contest Hosting	Hard	Campus Chapters
Problem Setting	Challenge	Code of Conduct
CodeChef Tutorials	Peer	Bug Bounty Program
CodeChef Wiki	School	
	FAQs	

Instructions/functionality

○ Step 3 : Allow your profile values like name , email , college and submission. Currently our app wants only your username only.



Instructions/functionality

○ Step 4 : Now you are at the Contest Home Page.

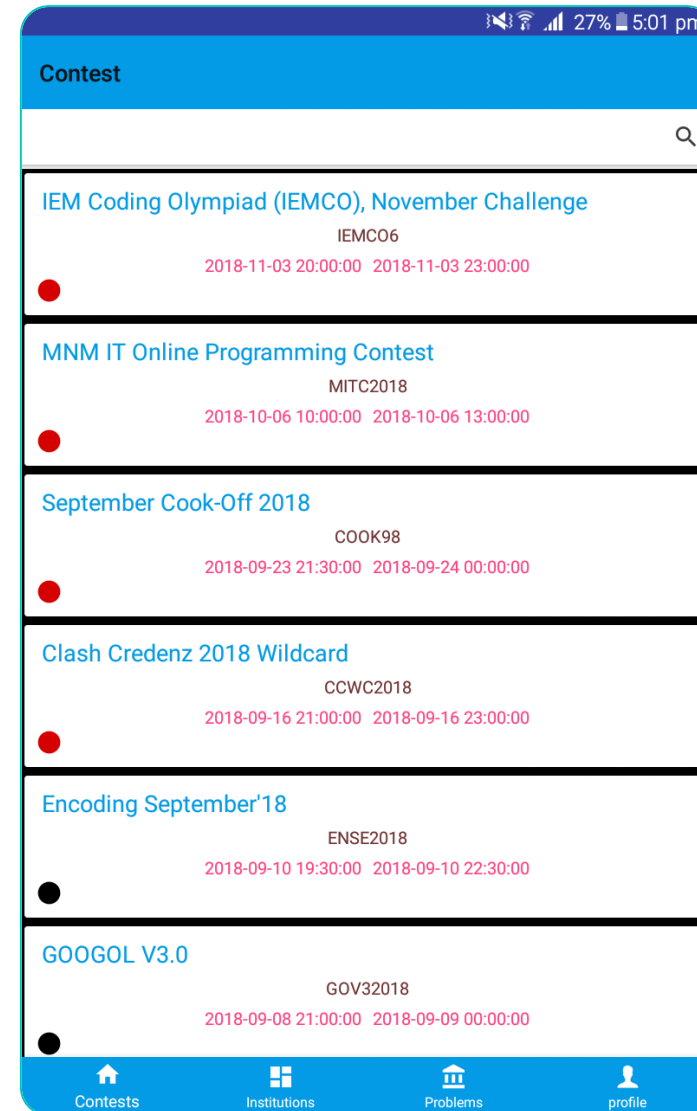
○ Here you can view all contest list.

○ A small colour indicator is present on every contest part which indicate contest status.

○ Red : Upcoming Contests and Challenges.

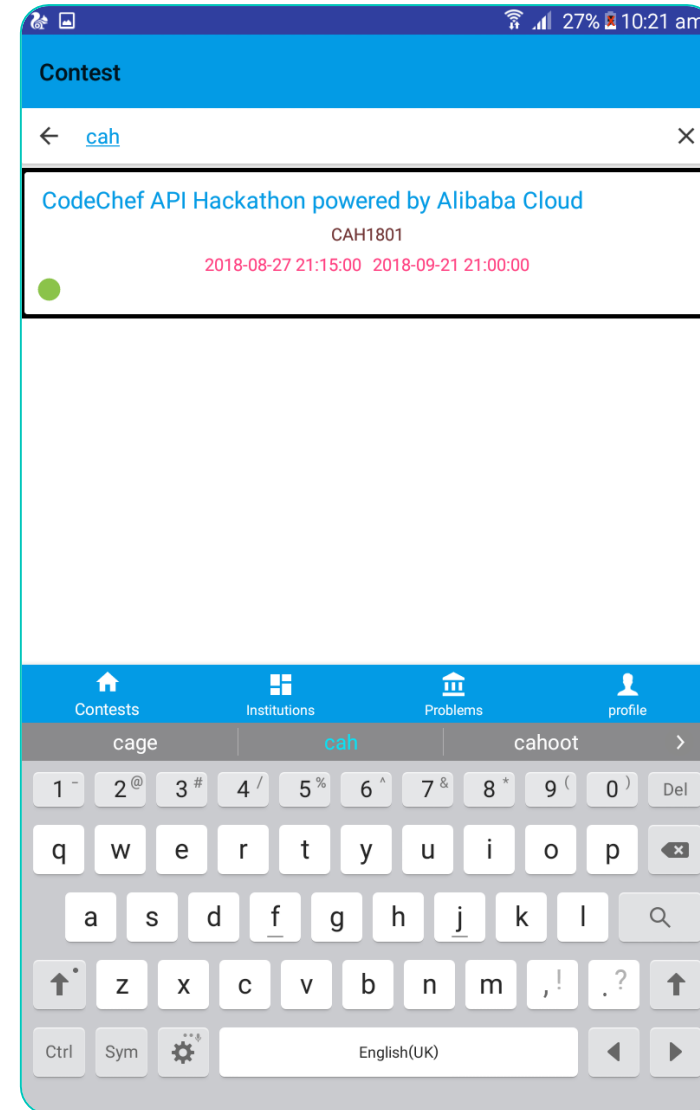
○ Green : Current Contest ongoing.

○ Black : Previous contests.



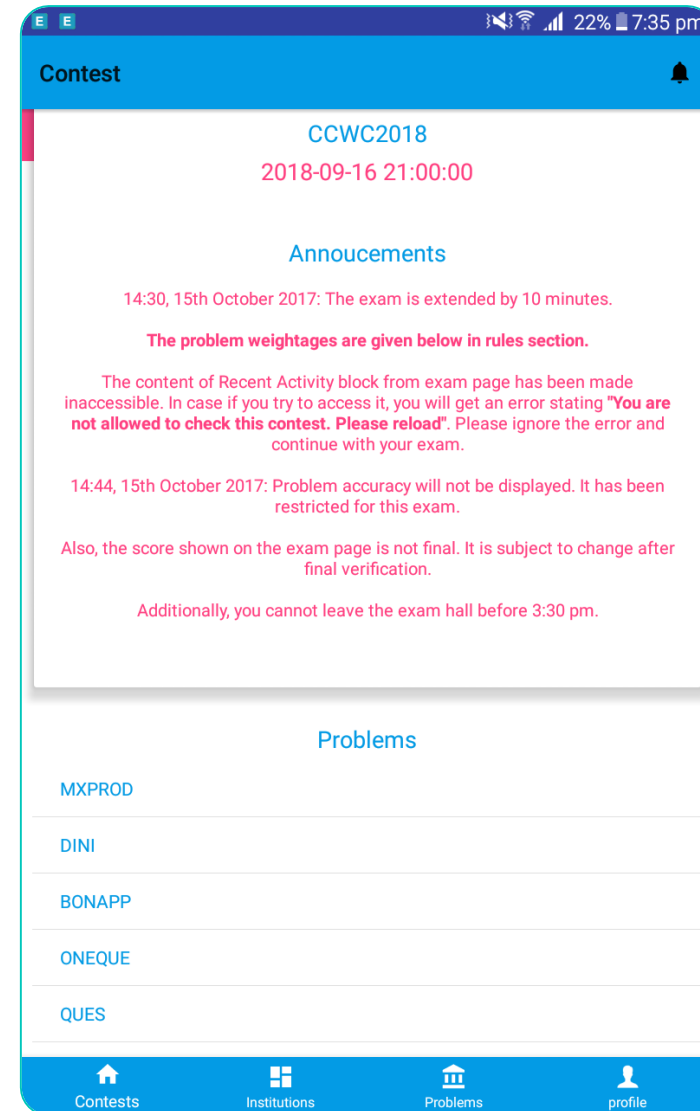
Instructions/functionality

○ Step 5 : There is a search bar on top of contest page where you can search and get information of particular contest.



Instructions/functionality

○ Step 6 : On clicking the contest you can get the detail of the it and if you want the notification you can click on the bell icon on top.

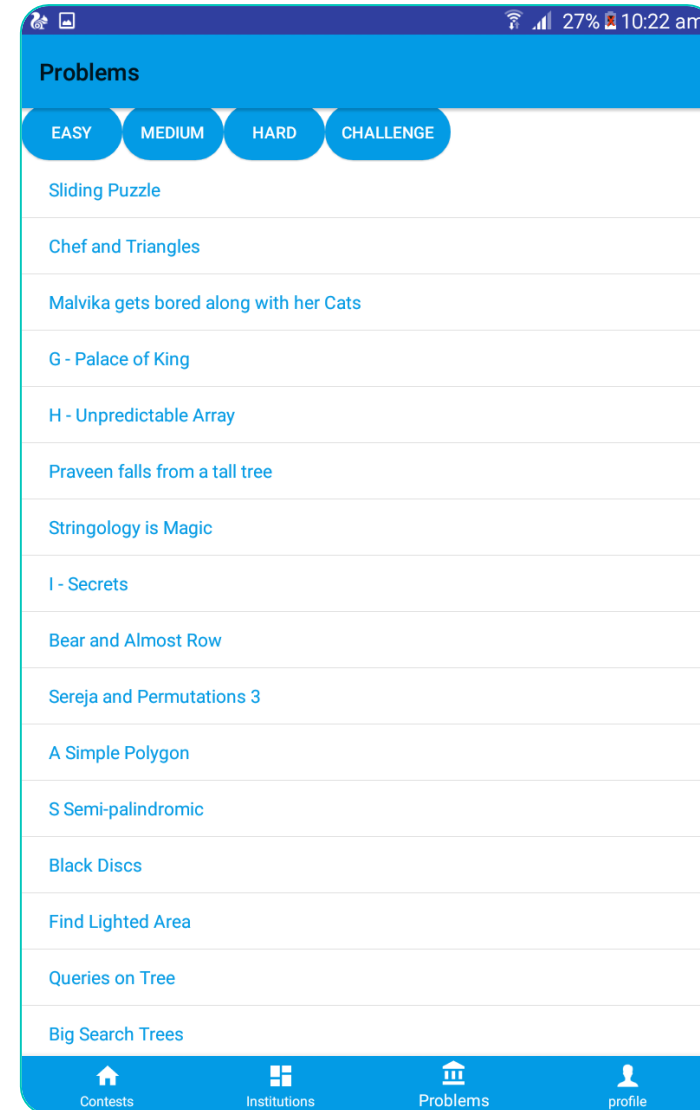


Instructions/functionality

Step 7 : On institution tab you can search ranking of coder by country and institution.

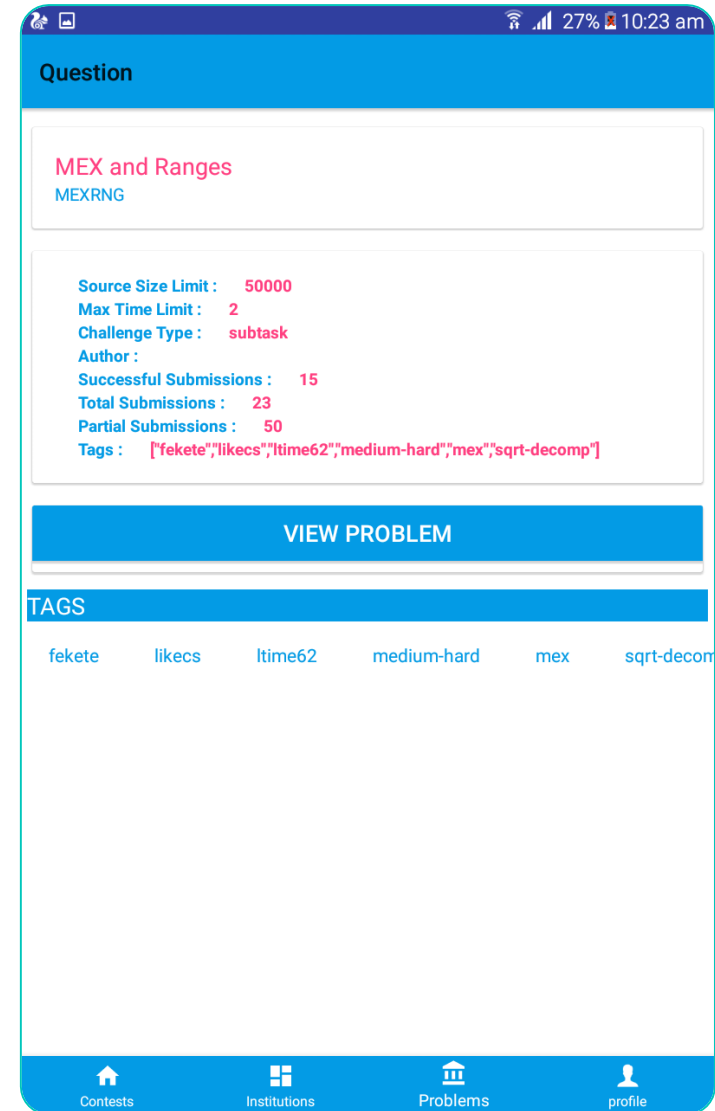
Instructions/functionality

- Step 8 :On problems tab you can view the problem by easy , medium and hard tags.



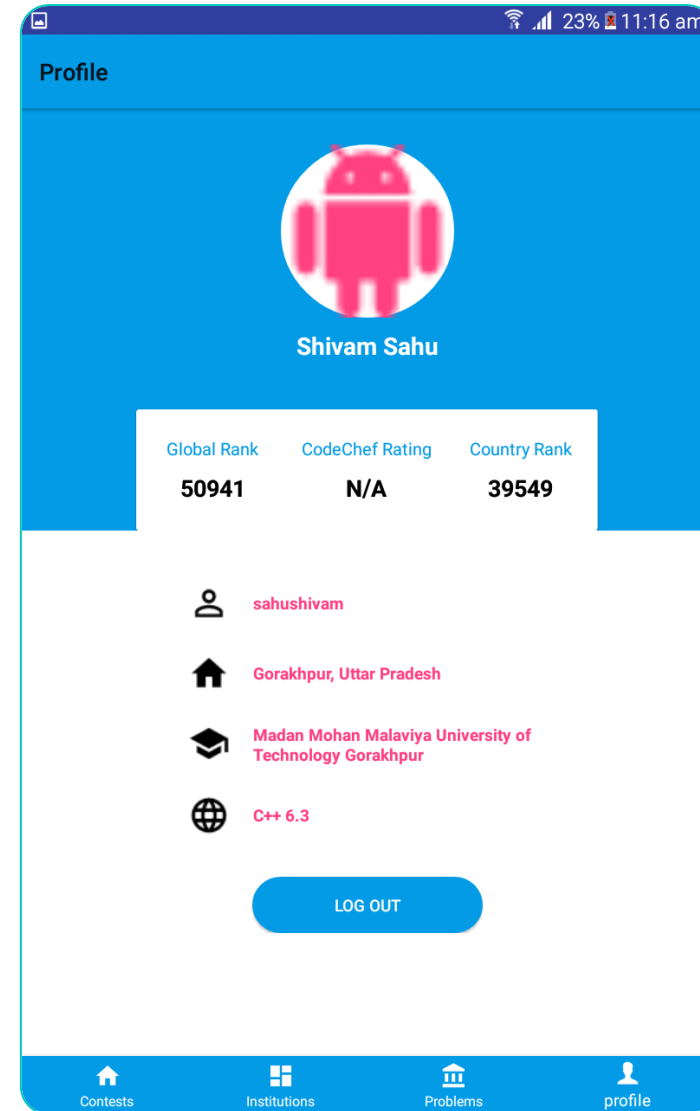
Instructions/functionality

- Step 9 : Question tab will describe the questions and here you can search other questions by tags.



Instructions/functionality

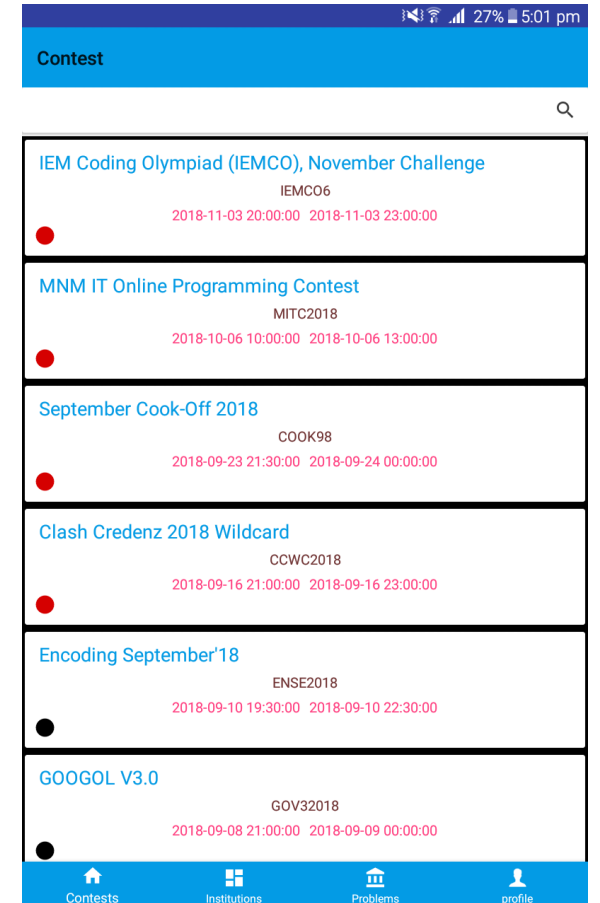
- Step 10 : On profile tab you can view and log out from your account.

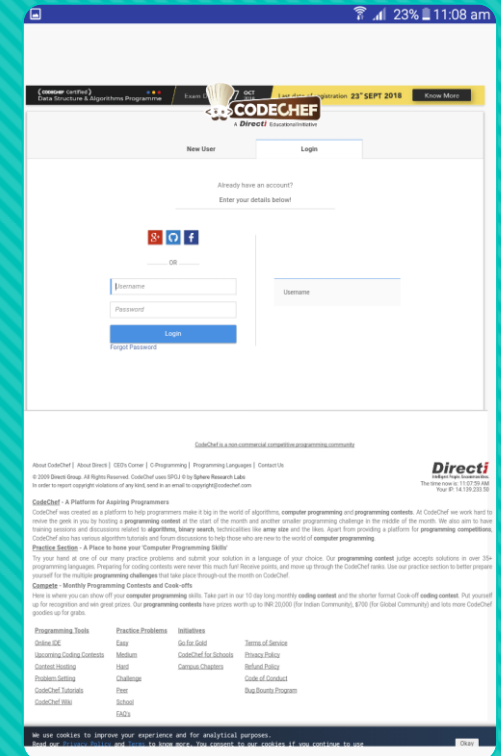
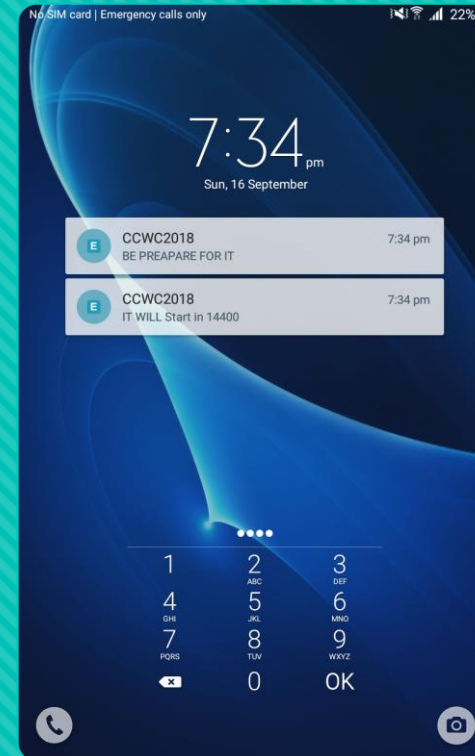
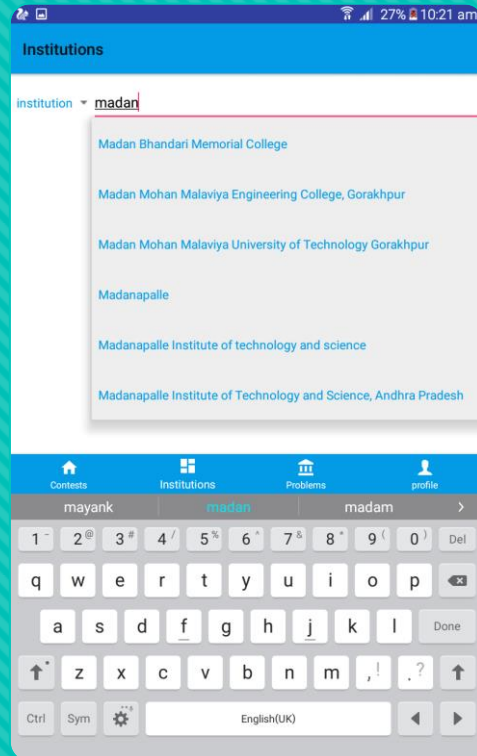


App Features

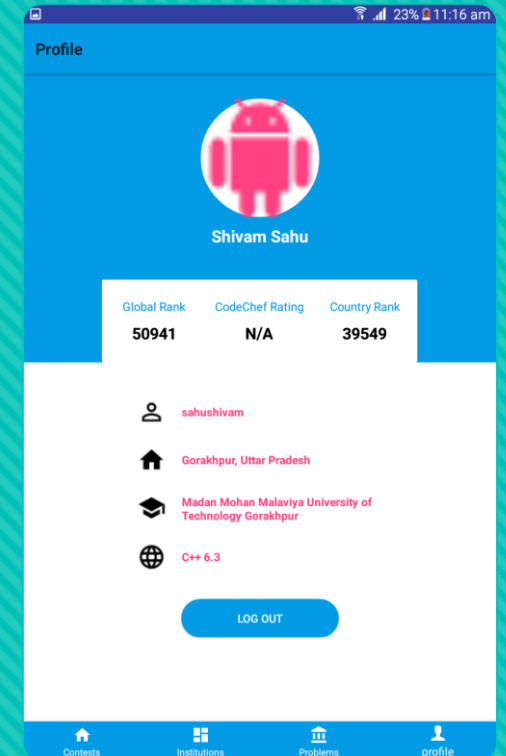
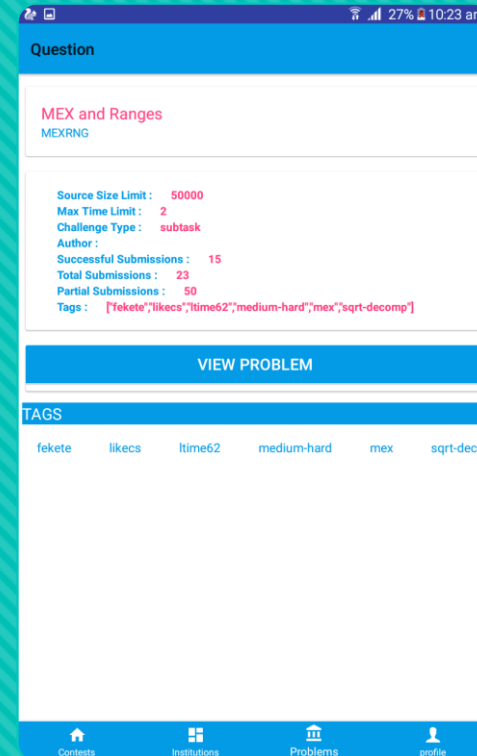
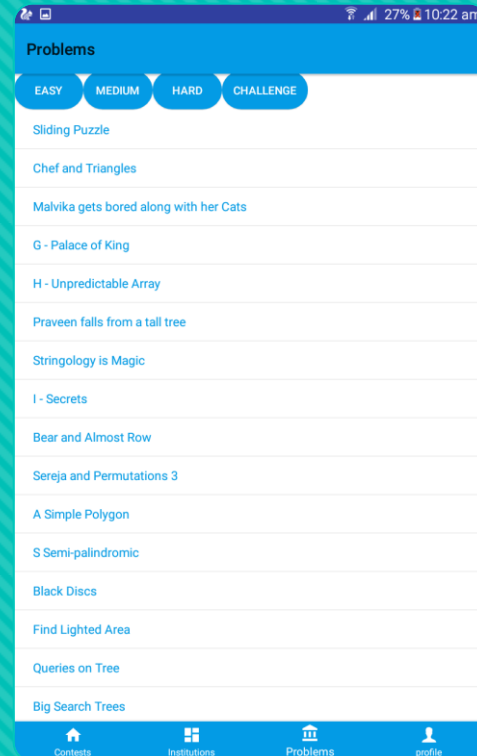
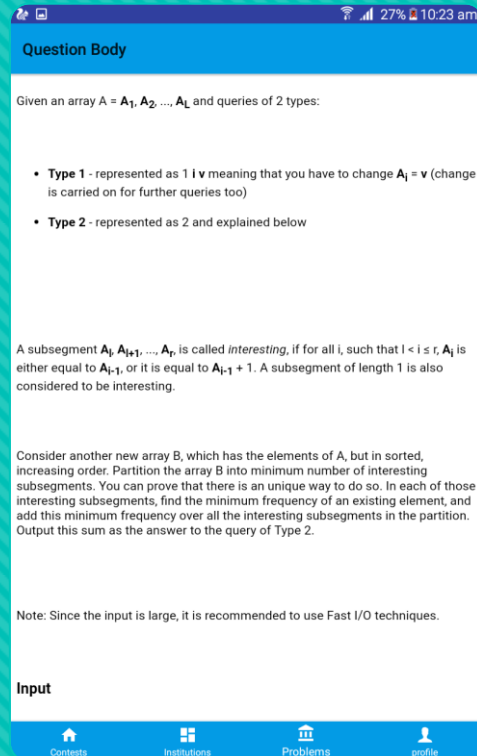
- Very Easy to use
- Secure, as your credential will be locally store in your phone and everything will call from your phone only.
- Portable and light weight (less than 10 mb) and no extra permission required except internet use.
- Notification of upcoming events.
- Browse contest.
- Ranking and rating by country and institution.
- Search problems by tags.
- Track your and other coder profiles.

Screen Shots





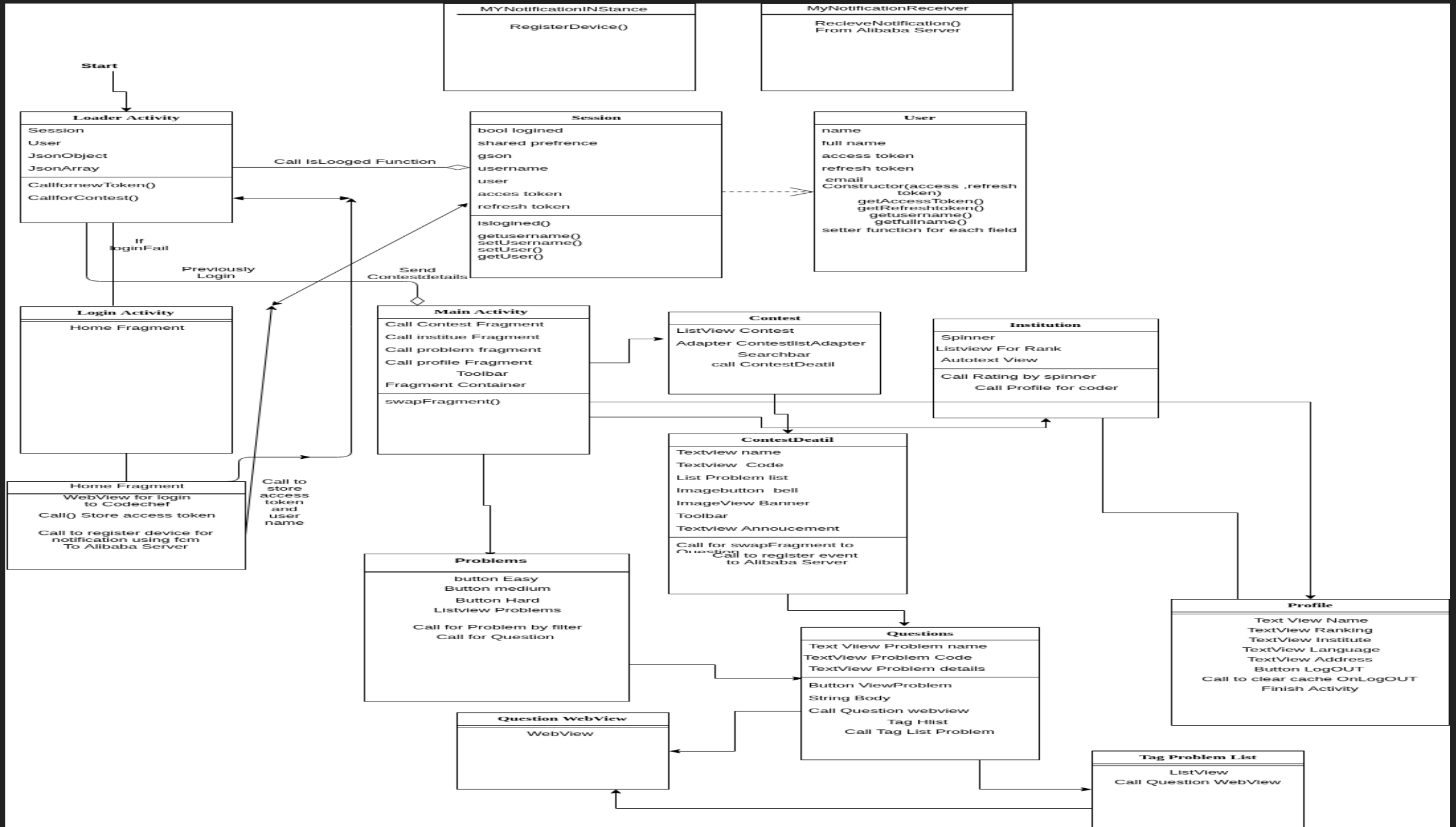
Screen Shots



Screen shots

App Architecture

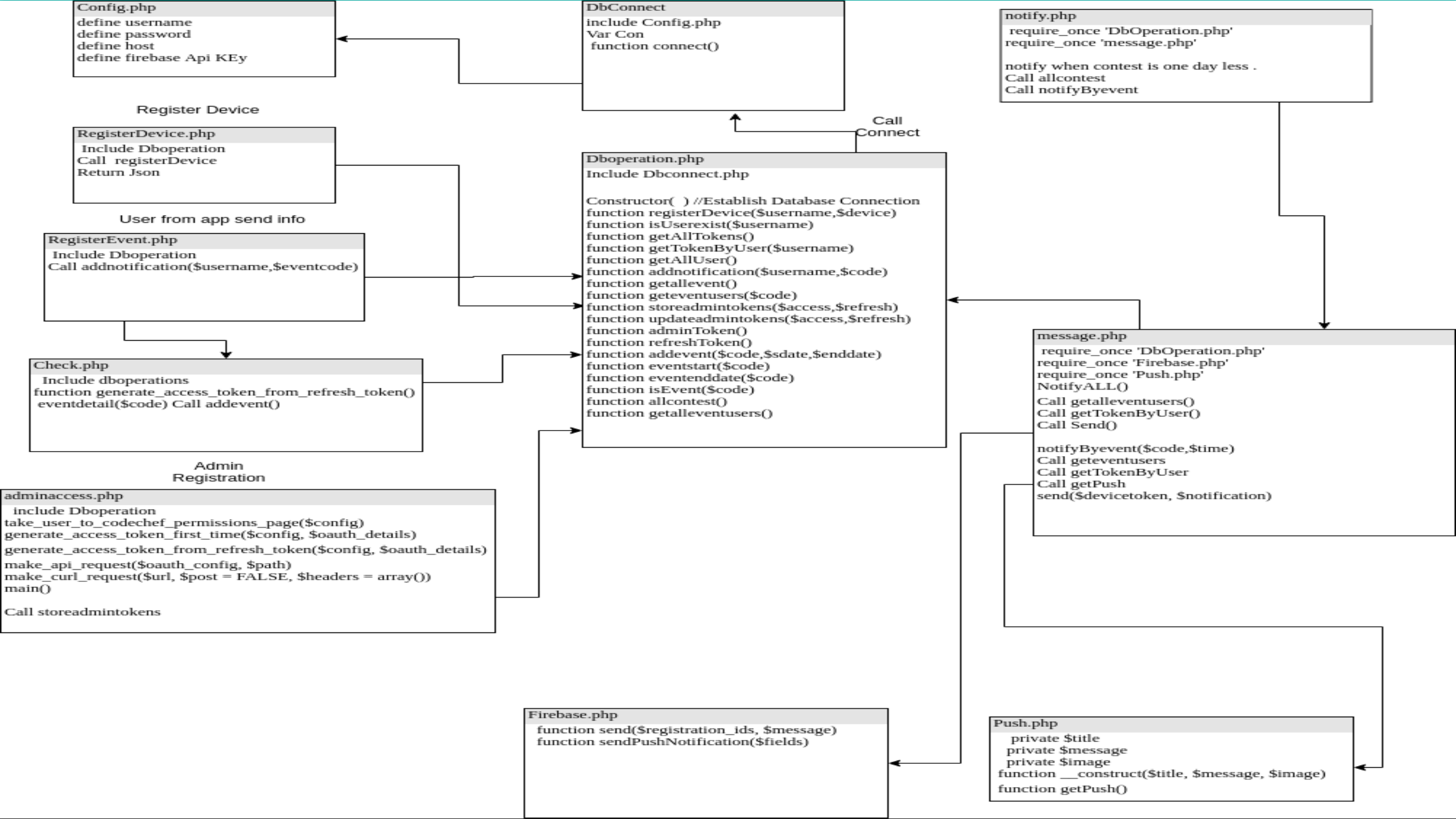
Android App



App Architecture

- On Alibaba Elastic Server

149.129.135.60/server



Alibaba Services

- Elastic Computer
- MongoDB

Alibaba Elastic Computing Server

- Install apache server, php , mysql and sftp
- Use to host php script for registering device and send notification
- Sftp server use transferring data
- Mysql is used for storing local admin tokens and refresh tokens.
- Cron job for scheduling the notification on every 1 hour.

MongoDb

- Use to store data of client username
- Use to store information of events.