

# Truth or Err – a game app

## Introduction

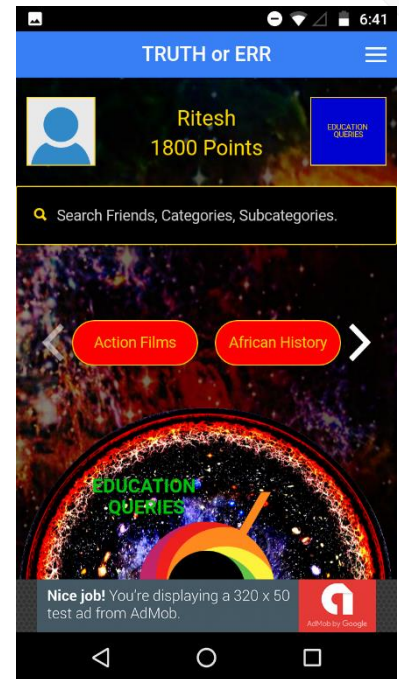
Games are of many kinds – entertaining, learning, community based and so on. **Truth or Err** is a trivia gaming application where users can give answers to the questions on a topic of their interest.

Users can instantly create trivia queries on any subject they can conceive and test players knowledge from all around the world.

Users can also instantly create categories and subcategories and their icons for subjects they are knowledgeable and passionate about.

## Goals

1. Truth or Err allows players to interact among themselves through questions and answers.
2. It allows users to share and challenge difficult queries with family, friends, classmates, co-workers, or any player and see who is smarter.
3. Truth or err can educate and entertain all players of any age, any education level, about any subject in the universe.
4. With Truth or Err users can find people and invite them to play and test their knowledge.



5. Truth Or Err can be played in two awesome ways.
  - a. You can answer any trivia query from players all around the world and
  - b. You can instantly ask any trivia query to family members, friends, classmates, co-workers, or players from all around the world.
6. In the Truth Or Err create query option, a trivia query can be asked about any subject for anyone to answer, set the amount of time a player has to answer the query and set how many points are offered. For every answer made by other players correctly in "Truth" the questioning player will lose those points at risk, and for every answer made incorrectly in "Err" that player will gain those points at risk.

## Solution

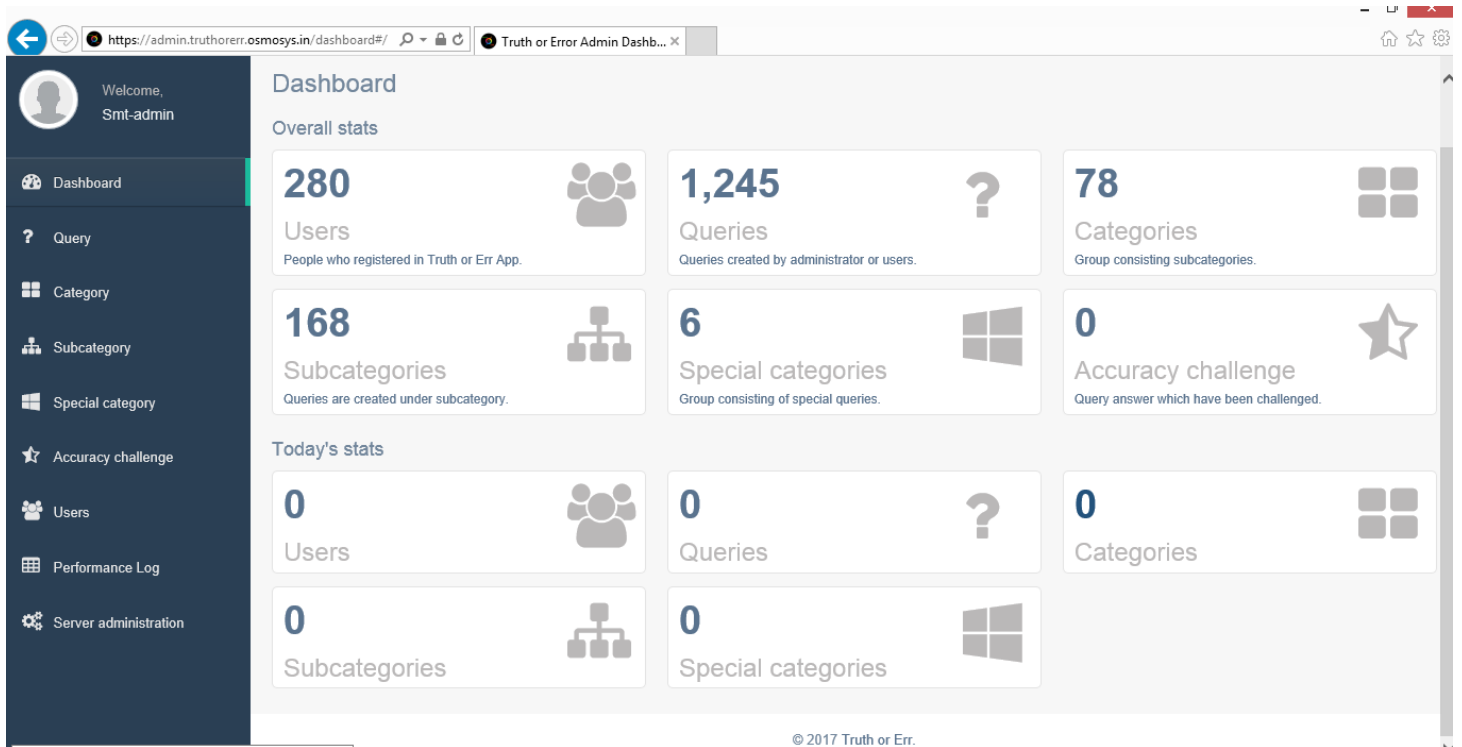
Truth or Err is the most entertaining and educational trivia app in the world. It is a mobile application that works both on Android & iOS phones. While the mobile app gives players colorful interactive UX, the server side manages the database and all the back-end functionality.

The technologies used on the app are AngularJS and Ionic Framework. Leveraging the Ionic Framework and its plugins made it easy to develop the application for both iOS and Android.

On the server side we've used Node.js and MariaDB to store and maintain game information. Data requests from the mobile app, notifications and challenges are handled by the API in real time which performs parallel processing to ensure users are notified immediately.

The in-app and mobile notification system is designed in a very configurable yet efficient manner using multiple database tables. The server is deployed on an AWS EC2 instance and also leverages Amazon SNS to send notifications to iOS and Android devices.

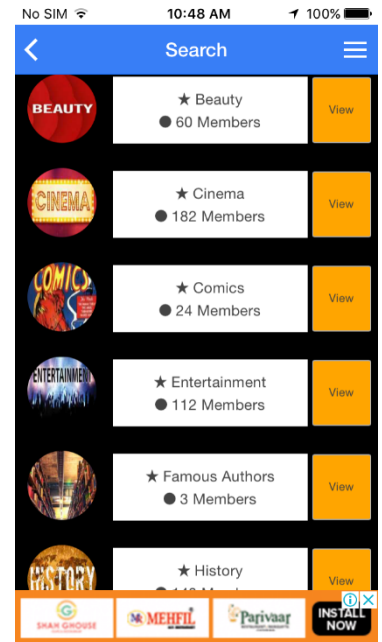
An admin portal has been built for the administrators using JavaScript, AngularJS and various other AngularJS plugins. It provides the game owner access to a comprehensive dashboard with a lot of statistics. In addition, this portal allows the owner to take control of categories, subcategories and special categories to ensure good quality gaming and handle any reports regarding bad behavior.



## Impact

Truth or Err is a game that is fun yet useful for learning various topics. This can be used among a class of students and their teacher together, a training institute imparting skills or learning programs or a bunch of friends having fun and still learning.

The quizzical nature of the game allows people to share their questions / trivia amongst friends and others. Active participants benefit by responding to anybody.



**Keenan**  
**Owner, Truth or Err**  
**USA**

I have been a client of Osmosys for over 2 years now and I am extremely proud of the working relationship I have developed with the team dedicated to my projects. It has been a joy and a pleasure to get to know the members of the team and what started as my app turned into our app because that is the level of professionalism and dedication that each member brought into building the app.

These guys are like family now and I am truly appreciative that I selected Osmosys to work on my projects.