

# PICTIONARY

## Group Members

Pratham Gawli - 2213192

Vrajesh Hegde - 2213209

Raghav Rathi - 2113208

## Supervisor

Prof. Vaibhav Ambhire

# Introduction

- ◆ Pictionary is a multiplayer game.
- ◆ A drawer is responsible to make an amazing sketch to represent an assigned word.
- ◆ Rest all players are supposed to guess the word the drawer is sketching.

# Introduction

- ◆ User can create rooms for their other friends to join.
- ◆ Objective is to collect most points to be declared the winner.
- ◆ To score more points user must guess the words before other participants & make sketches that most people can guess.

# Literature Review

## Pictar.io

### Advantages

- 01 Offers advanced controls and features
- 02 Multi-function wheel allows quick adjustments
- 03 Offers creative modes like shutter priority

### Limitations

- 01 The app's UI is not user-friendly
- 02 Doesn't support private game rooms



# Literature Review

## Drawasaurus

### Advantages

- 01 Promotes social interaction and teamwork
- 02 Easy to interact and engage
- 03 Offers numerous words and phrases for players to draw and guess

### Limitations

- 01 Have minor UI bugs
- 02 Requires stable internet connectivity

**Drawasaurus!**

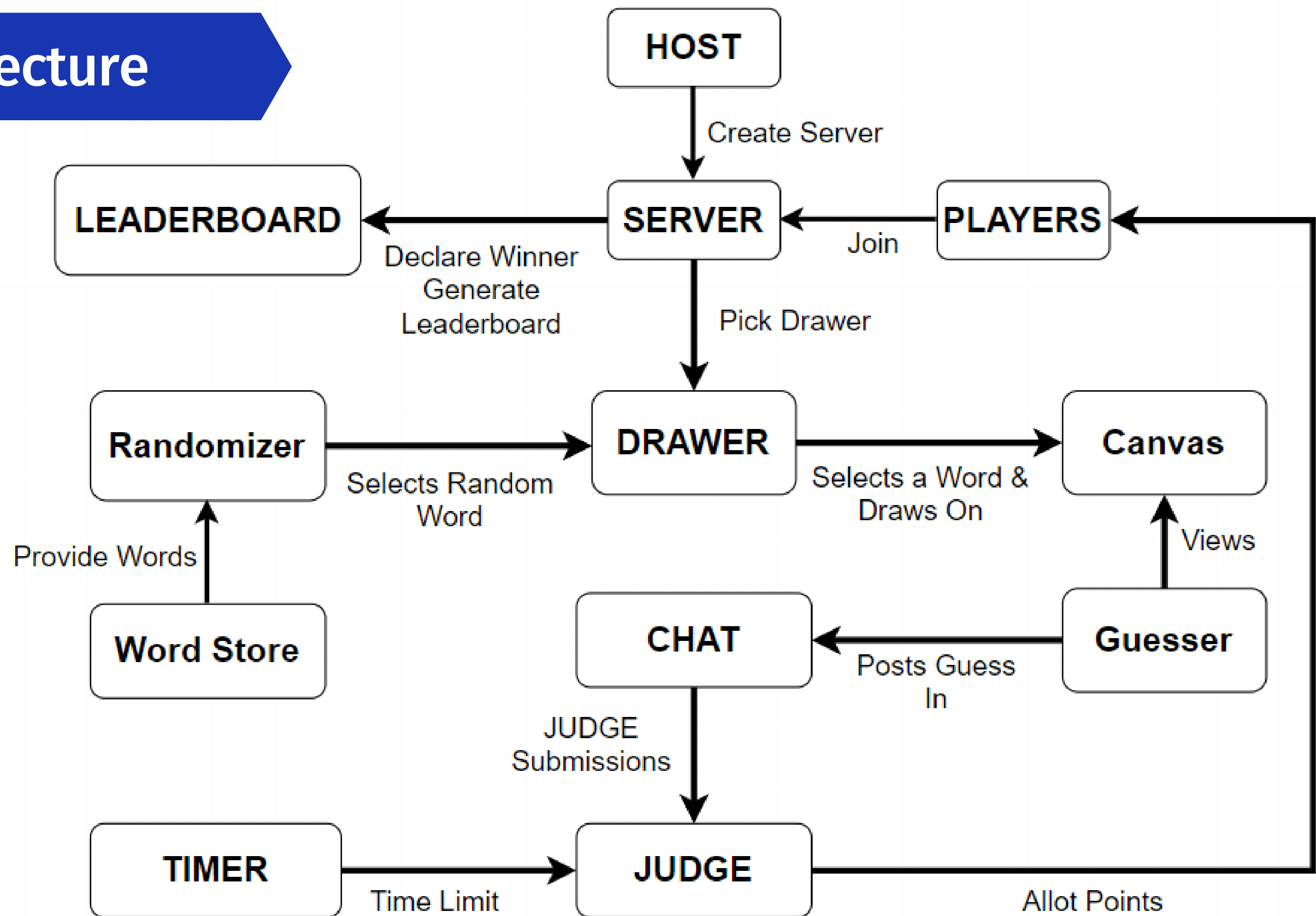
# Problem Statement

- ◆ Develop an interactive multiplayer game where one player sketches an image and other players participate in real-time by guessing the drawn image.

# Components

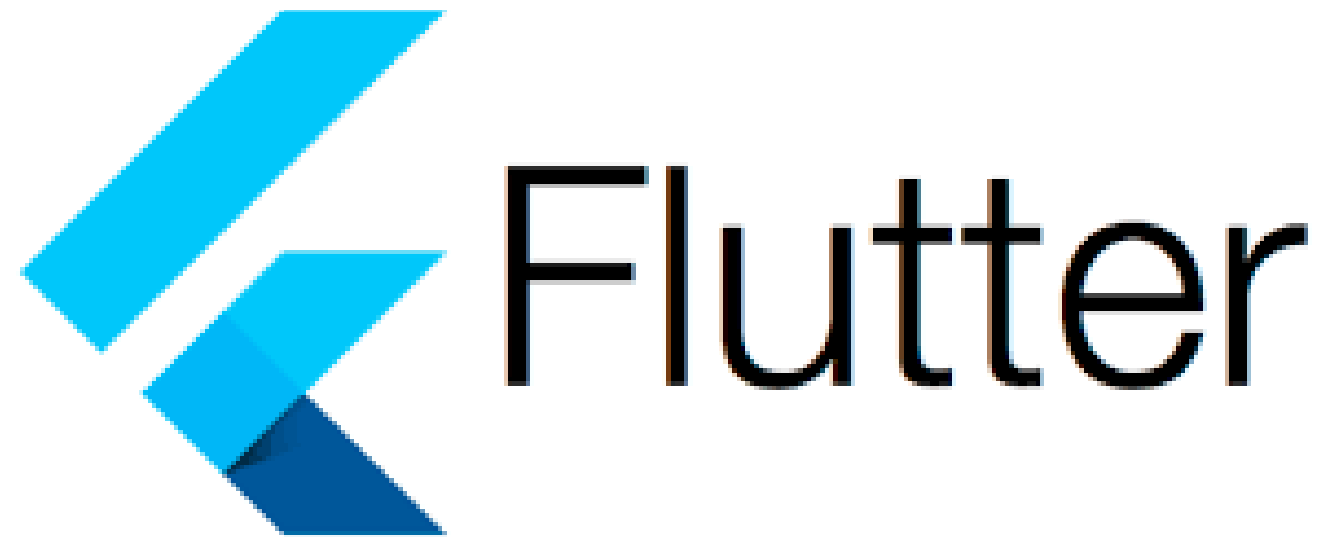
- Create or Join Room
- Live Canvas
- Live Chat Box
- Timer
- Leaderboard

# Architecture





# TECHNOLOGY



Flutter is an open source framework by Google for building beautiful, natively compiled, multi-platform applications from a single codebase.

# TECHNOLOGY



Node.js is an open source server environment.  
It allows us to run JavaScript on the server.

# TECHNOLOGY



**socket.io**

Socket.IO is an event-driven library for real-time web applications. It enables real-time, bi-directional communication between web clients and servers.

# TECHNOLOGY



MongoDB is an open-source document-oriented database that is designed to store a large scale of data and also allows you to work with that data very efficiently. It is categorized under the NoSQL database

# References

- ⬡ <https://www.drawasaurus.org/>
- ⬡ <https://pictar.io/#/landing>
- ⬡ <https://flutter.dev/>
- ⬡ <https://nodejs.org/en>





# Thank You

