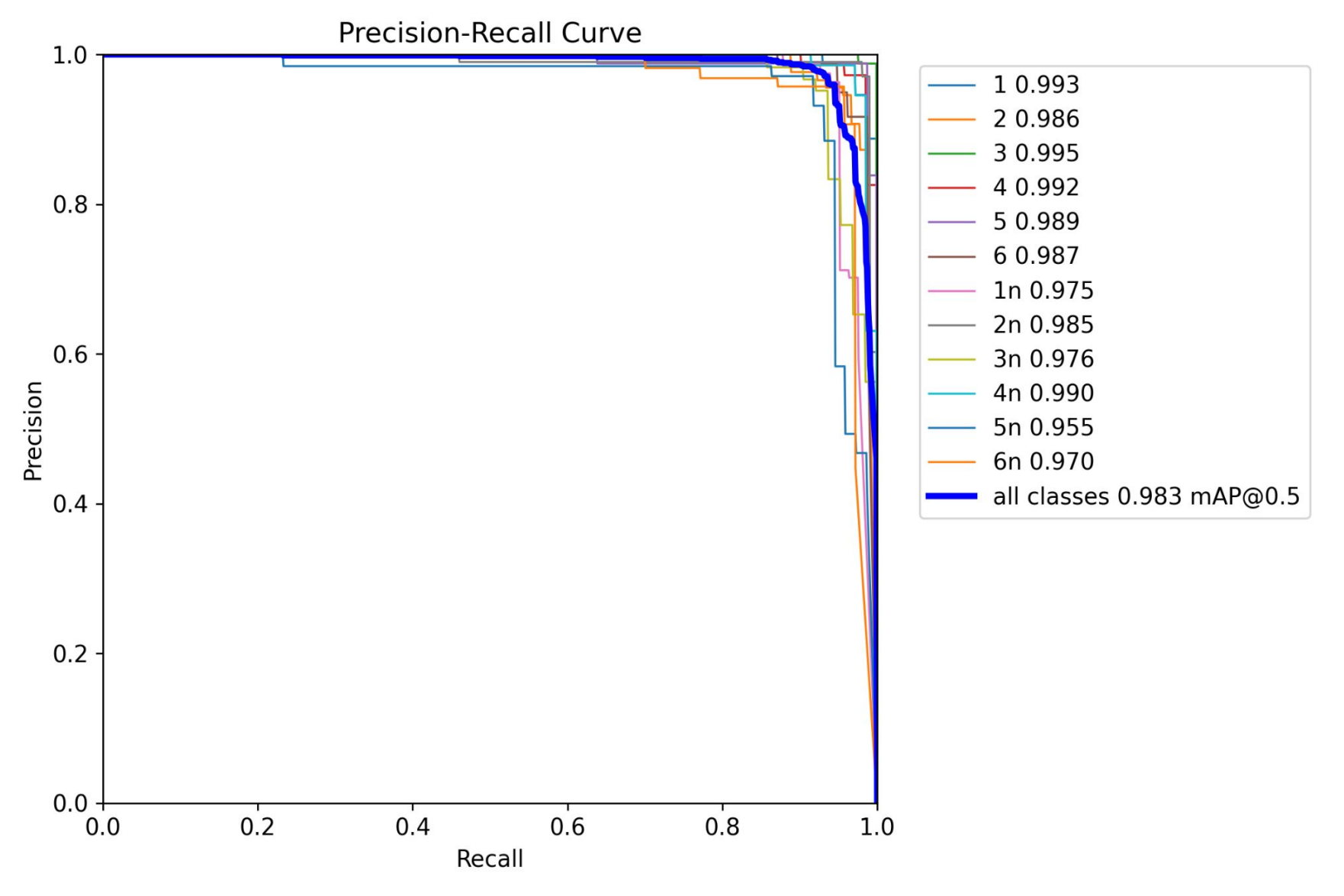


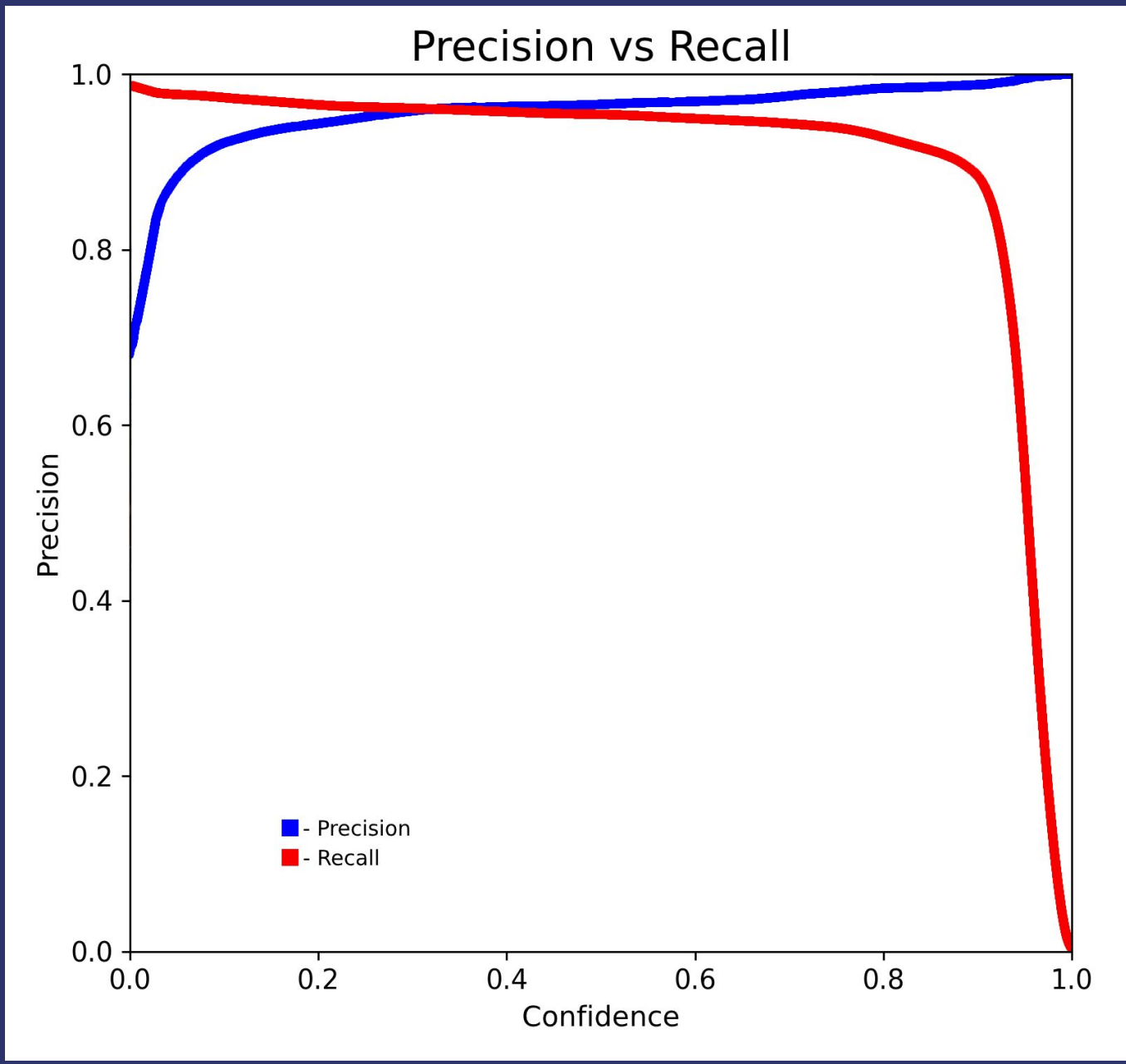
Machine Learning



- Based on YOLOv10s by ultralytics
- Our object detection model is powerful but light enough to run even on older android devices
- Post-processing is done in the app to boost the model's performance even higher
 - The most common value for each die across 10 frames determines the results used by the app



Metric	Value
Precision	96.2%
Recall	95.9%
mAP50	98.3%
mAP50-95	81.1%



Meet the Team

- Jackson Cassidy - Wyatt Habinski - Christian Majid - Paul Puscas -



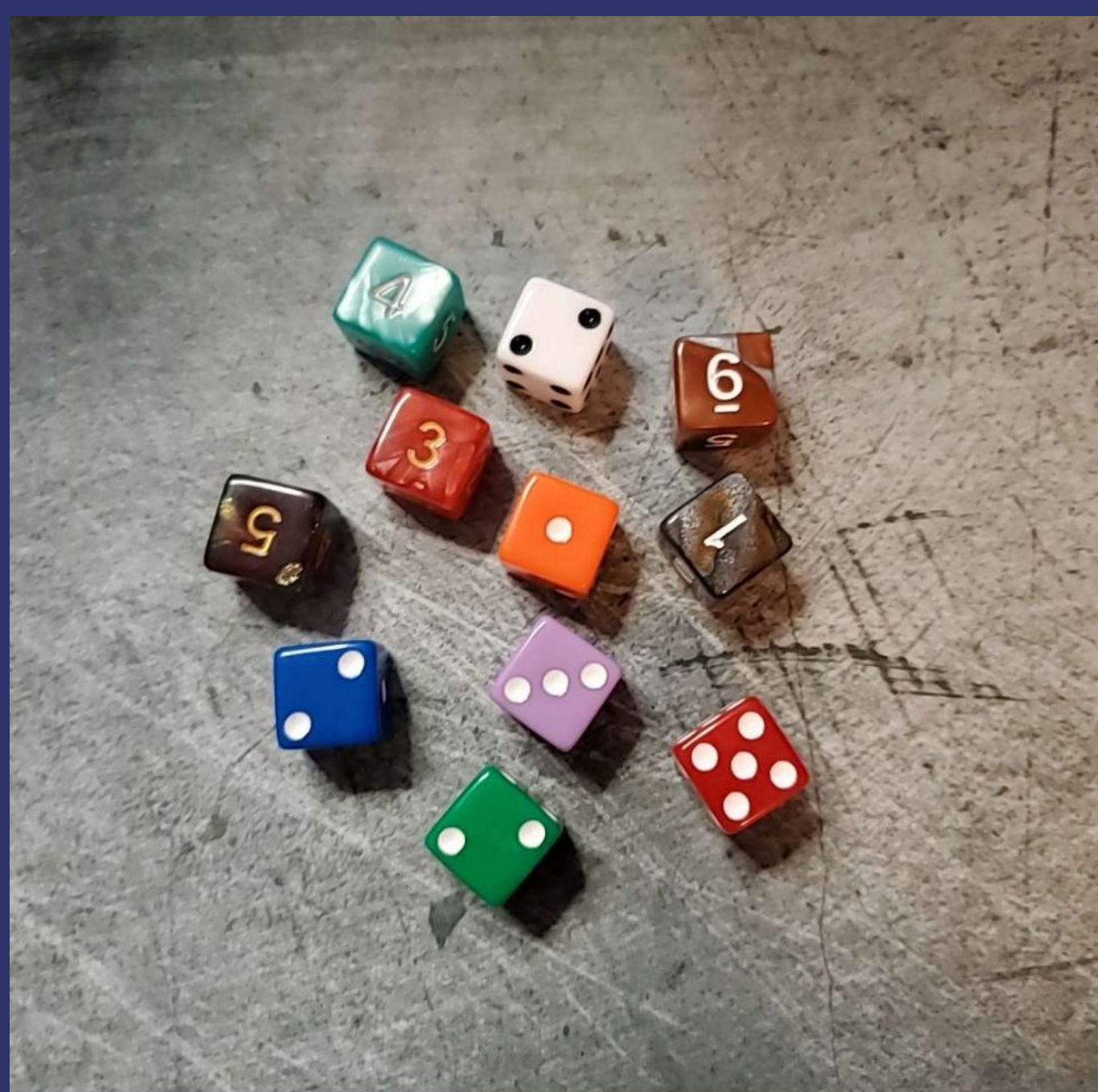
DieSpy



Struggling to count rolls? No problem!

An Android app designed to track and count dice rolls with friends, whether you're playing together in person or online. Includes real time updates, built-in chat, and persistent roll logs for easy collaboration.

Detection



Capture

Capture rolls to receive instant breakdowns
View last roll, and edit if necessary
Detection used with or without login
If logged in, party sees roll immediately!

Dice Breakdown

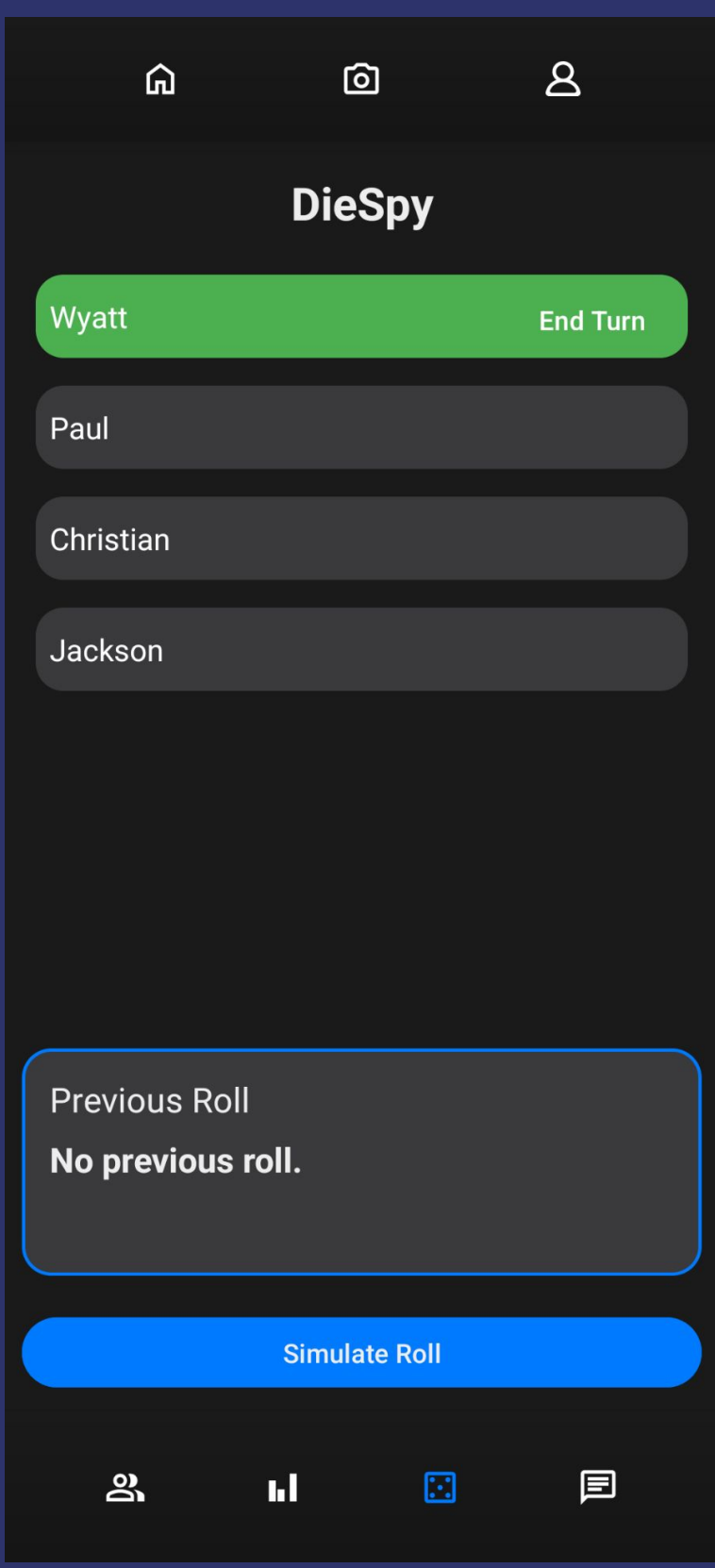
Total: 34

1: 2 4: 1
2: 3 5: 2
3: 2 6: 1

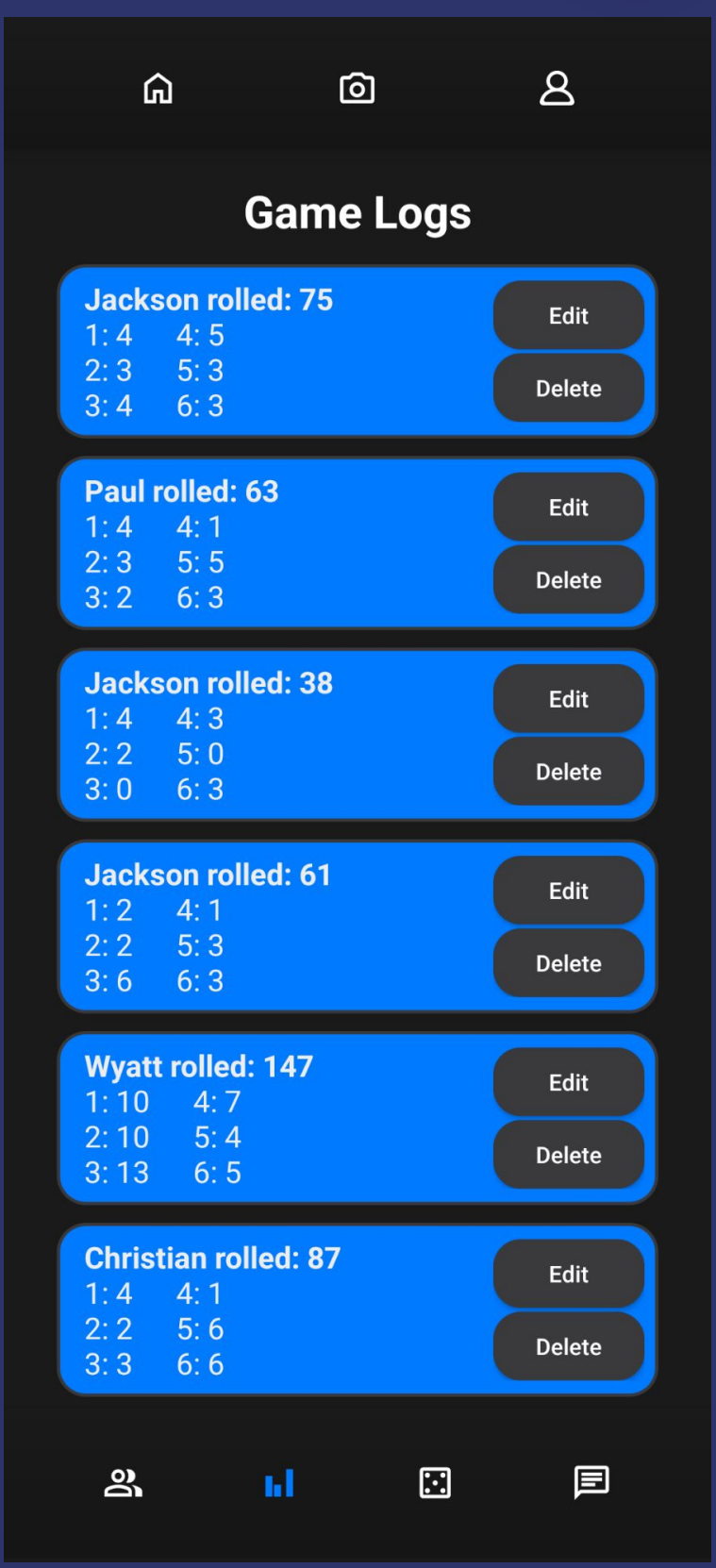
Edit

Dismiss

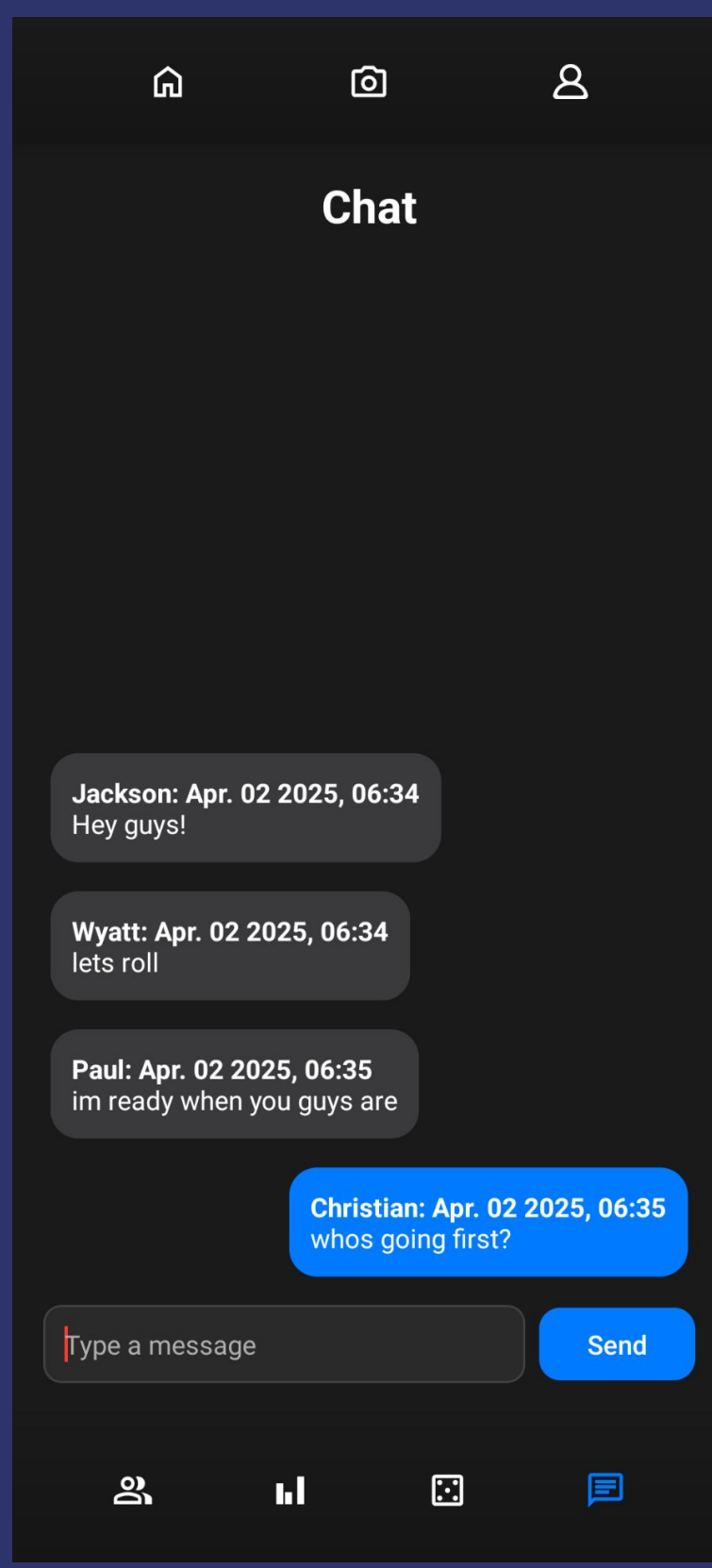
Party Features



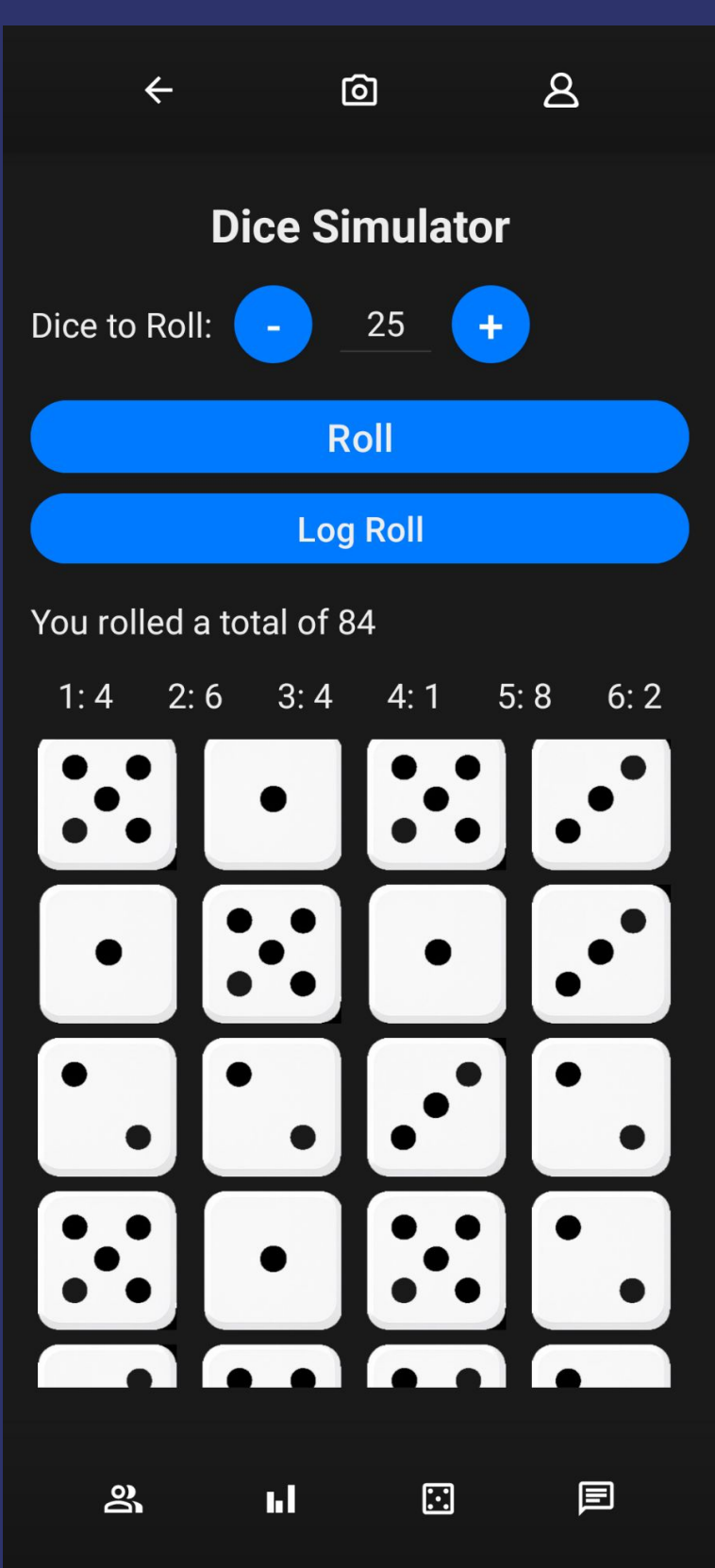
Play with your friends!



Compete with your friends!



Chat with your friends!



No Dice? No Problem!
Just use the built-in simulator!

Workflow

