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## Problem

For many first-year college students, the make-or-break experience is building meaningful connections on campus. However, finding the right community isn't always easy.



Thus, universities such as UNH invest greatly in event programming in residence halls. Despite how crucial in-hall participation is, flyers are still the primary method for promoting in-hall activities. Because only 20% of students read flyers, they often miss opportunities to connect.

## Solution

**HallHub** is a mobile app that streamlines the event-exploration process for students in hall - and so much more

Using notifications, **HallHub** reaches students where we know they're paying attention: **the home screen of their phone**

With **HallHub**, Students are **incentivized** to go to events with raffles and fun prizes

**HallHub** helps Hall Directors and RAs to **improve** their event programming through feedback from our **analytics suite**

## Goals & Achievements

Develop a web portal for RAs and Hall Directors to conveniently manage their residence halls



Design a recommendation system to recommend relevant events to students



Develop and deploy mobile app features based on customer feedback, such as raffle system and store



## Technologies Used

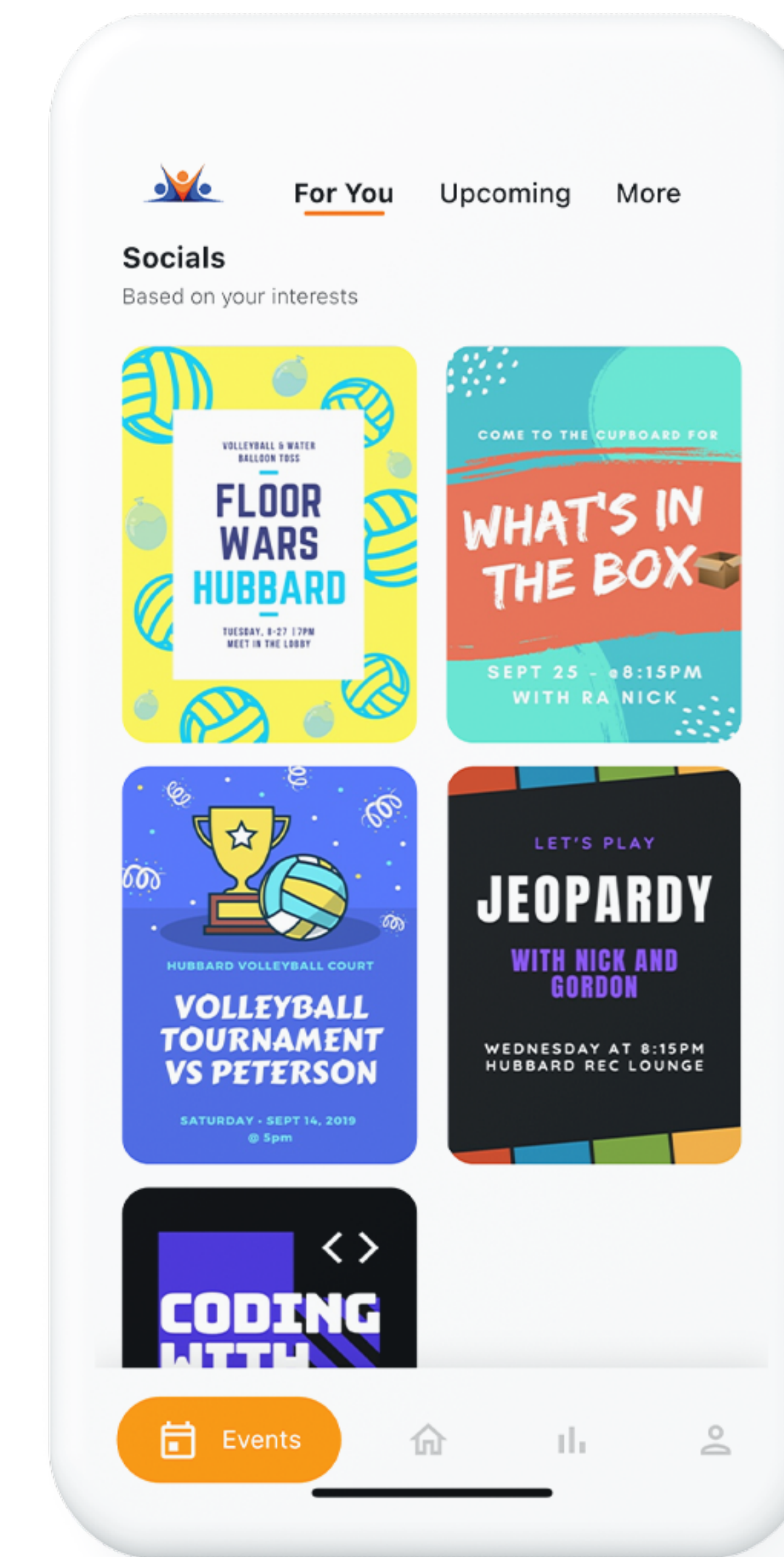
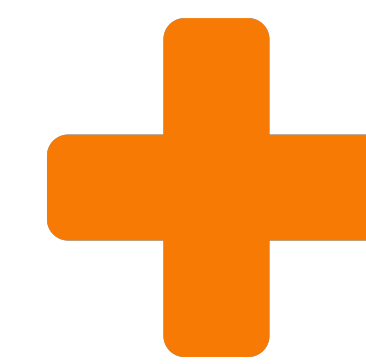
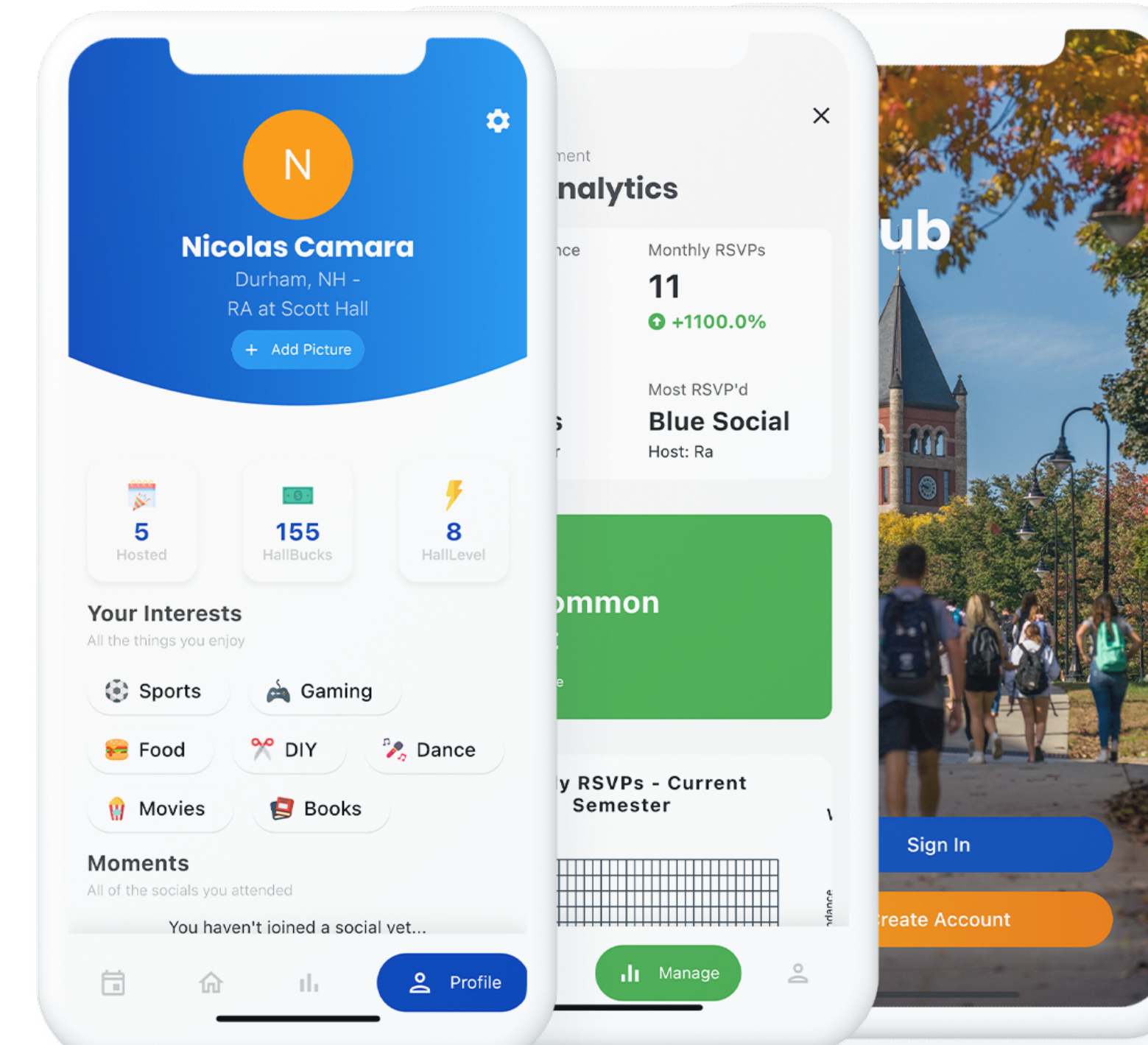
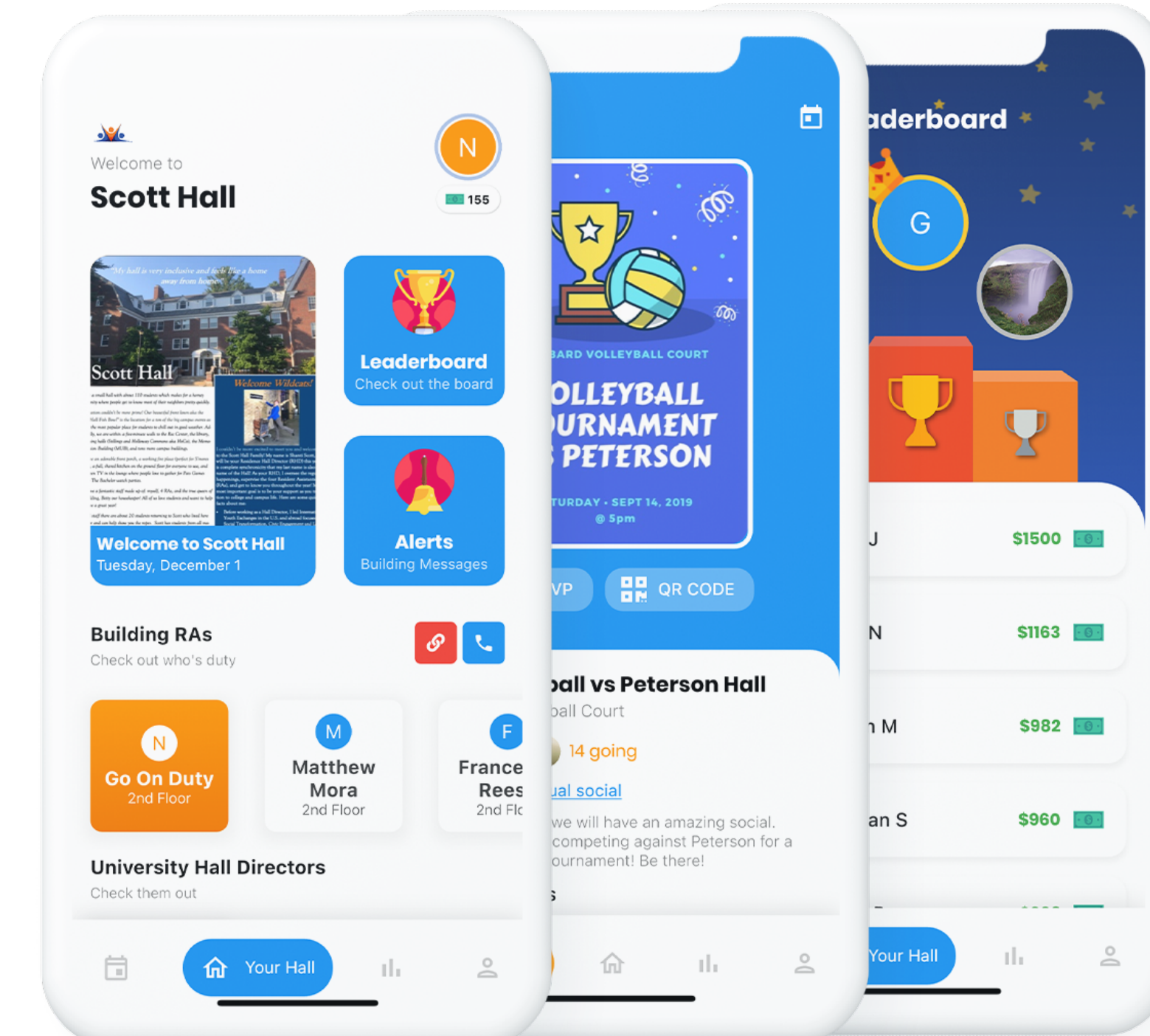
Flutter is a mobile toolkit made by Google used to develop our mobile application

Python language was used to create our server and recommendation system

React JS is a JS library for building front-end web interfaces used to build our web-portal

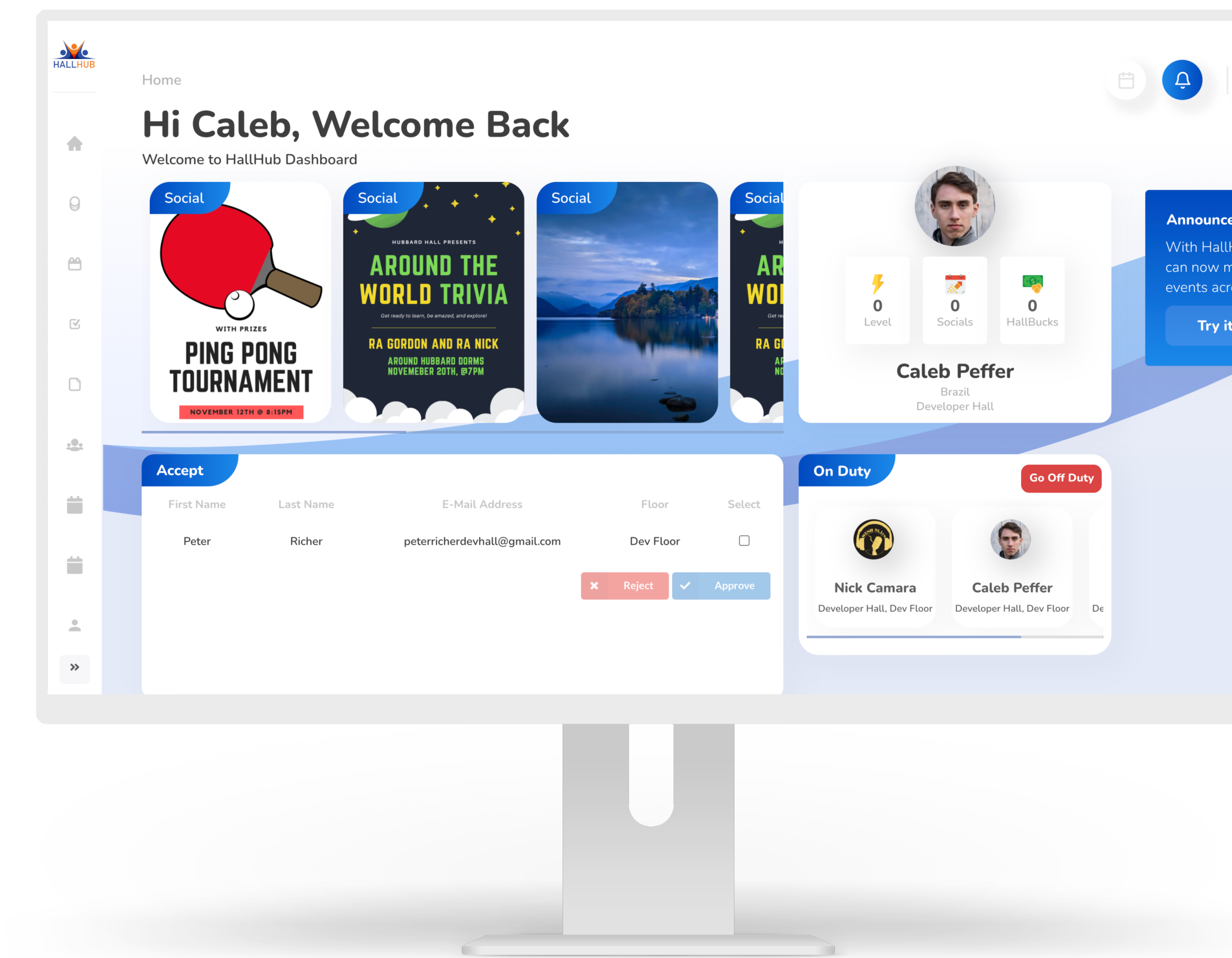
MongoDB is a NoSQL database used to store all information needed by our systems

## Existing Platform

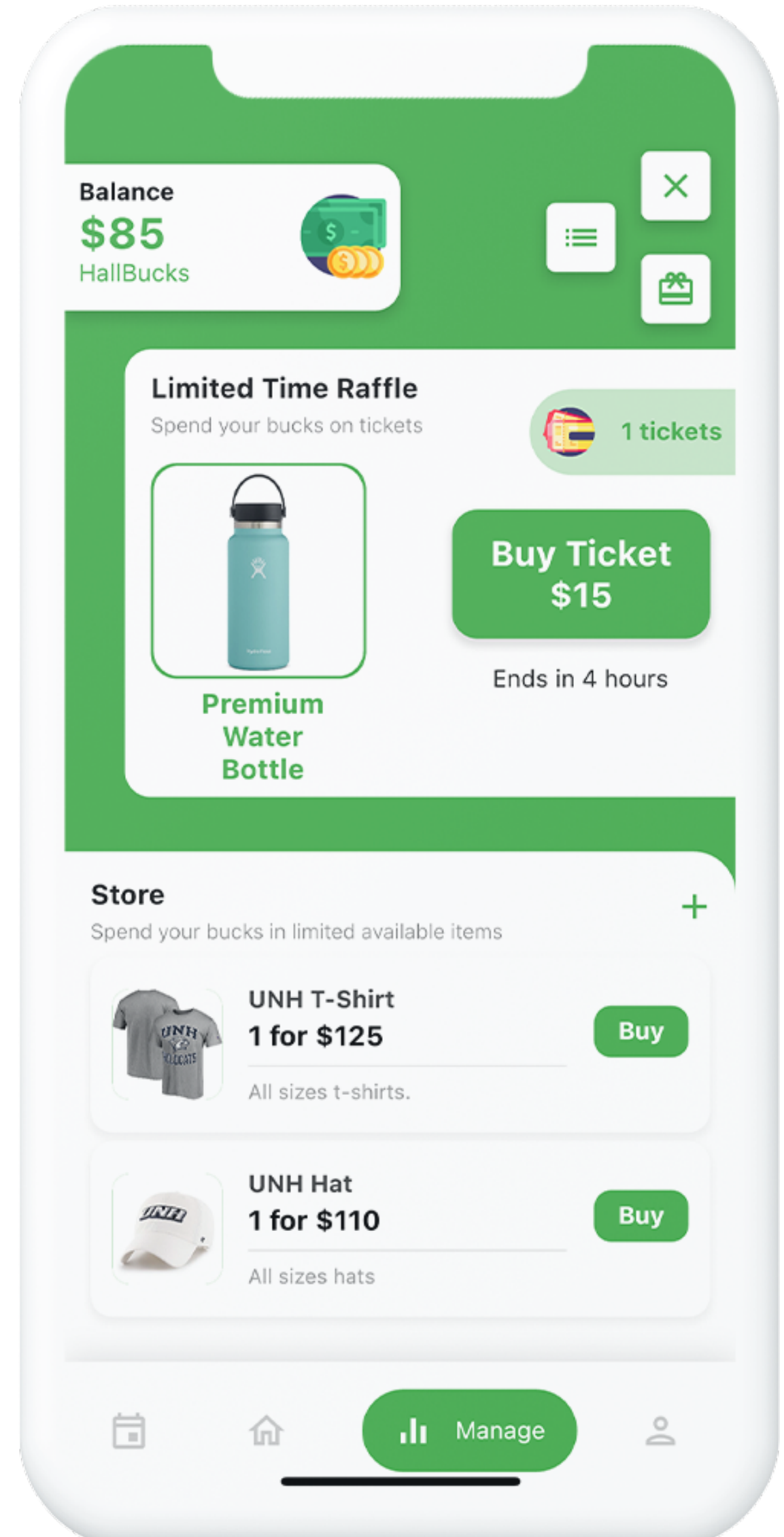


Main Screen of the mobile application where all in-hall events are displayed based on our recommendation system

## Project Additions



The dashboard of the web portal, where all events are listed, with profile, duty desk and acceptance system management for RAs & Hall Directors



Students can participate in raffles, along with buying items in the store with their 'HallBucks'

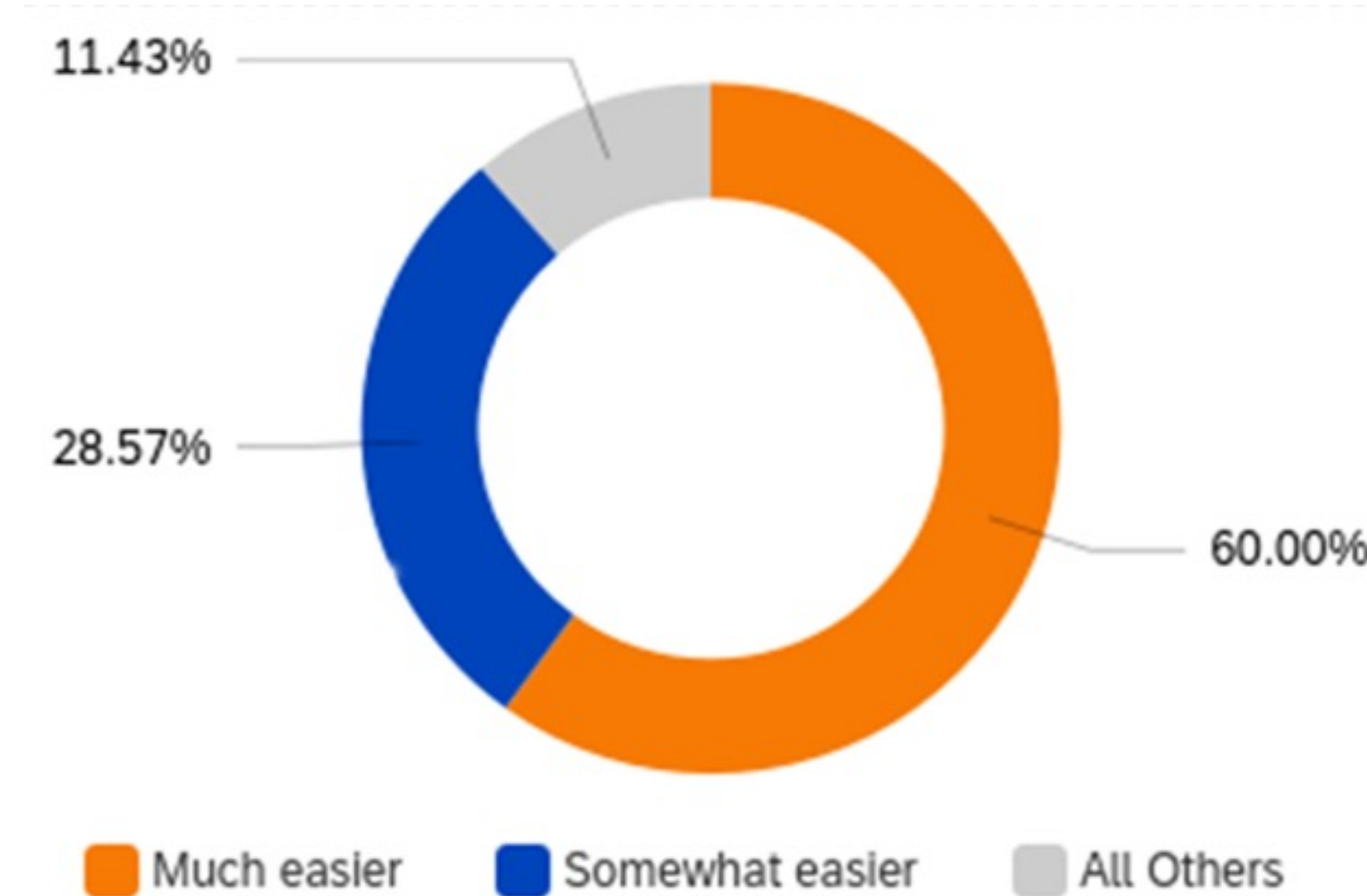
## Results

Did HallHub assist you with finding social events you may have not otherwise found?



Survey done with 147 participating students. About 60% said that HallHub helped them find events that wouldn't have otherwise found

Has the HallHub platform made it easier or harder to promote your socials/events?



Survey done with about 40 Resident Assistants. About 88% said that it made it easier for them to promote their social events

**750+ users**

In only 10 residence halls

**250 WAU**

Weekly active users

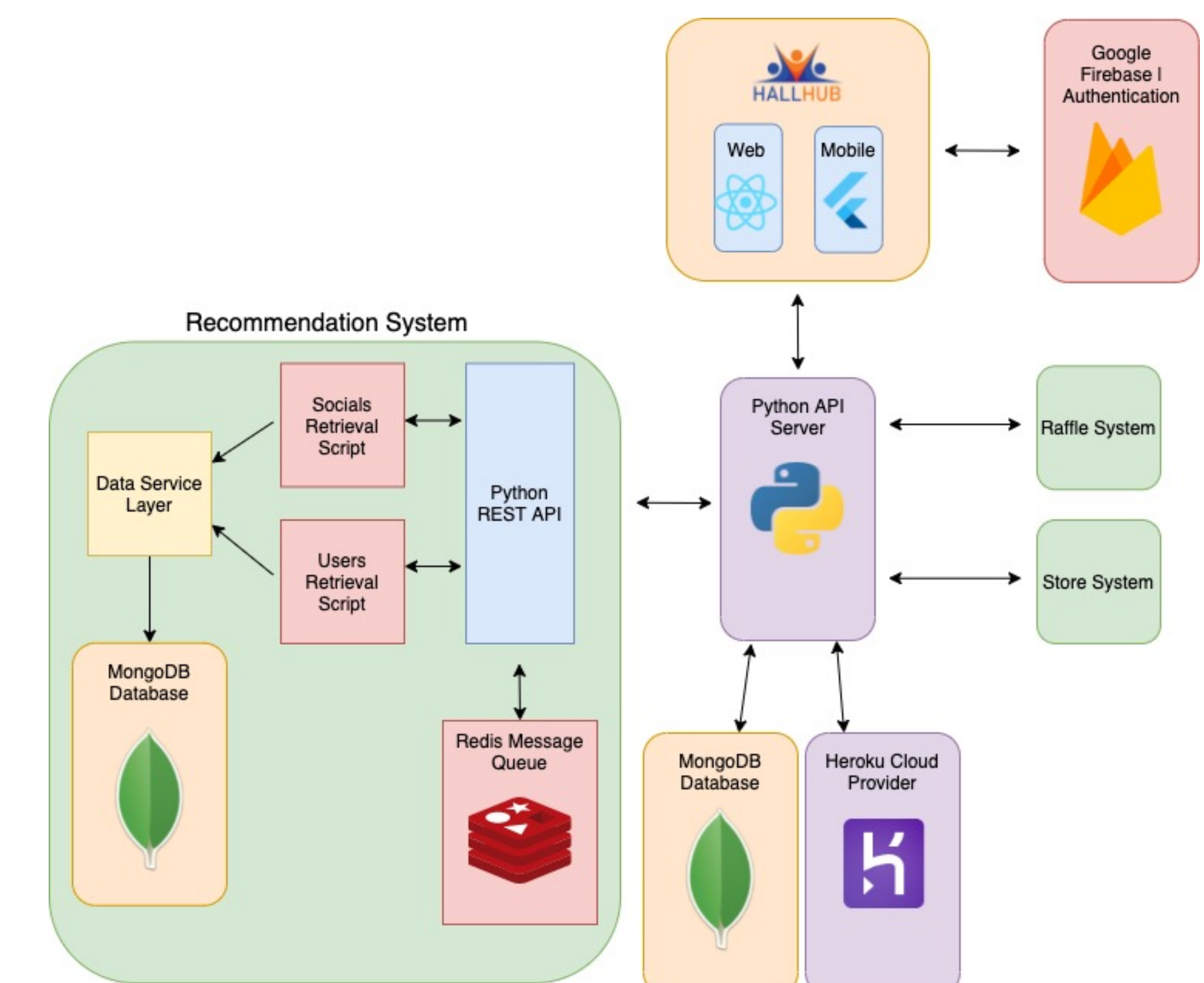
**350+ events**

Created in 1.5 months

**70% UA**

User acquisition in residence halls

## System Architecture



## Acknowledgements

Thank you to our wonderful advisors!

- Matthew Plumlee, Senior Lecturer, CS
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