



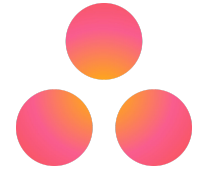
# SKO Play

Prancing Purple Ponies | 201 - 1 | 

Hyden Polikoff | Nathan Straub | Randy Peregman | Paolo  
Castro | Thomas Deaner | Sung Kim

# Choosing & Project Management

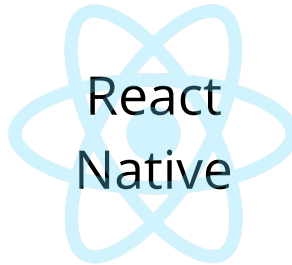
4/5



- Brainstorming and choosing our project
- People - Teams of 2 and pair programming
- Full team briefs weekly
- Delegation and Sprints
- Task management via Asana

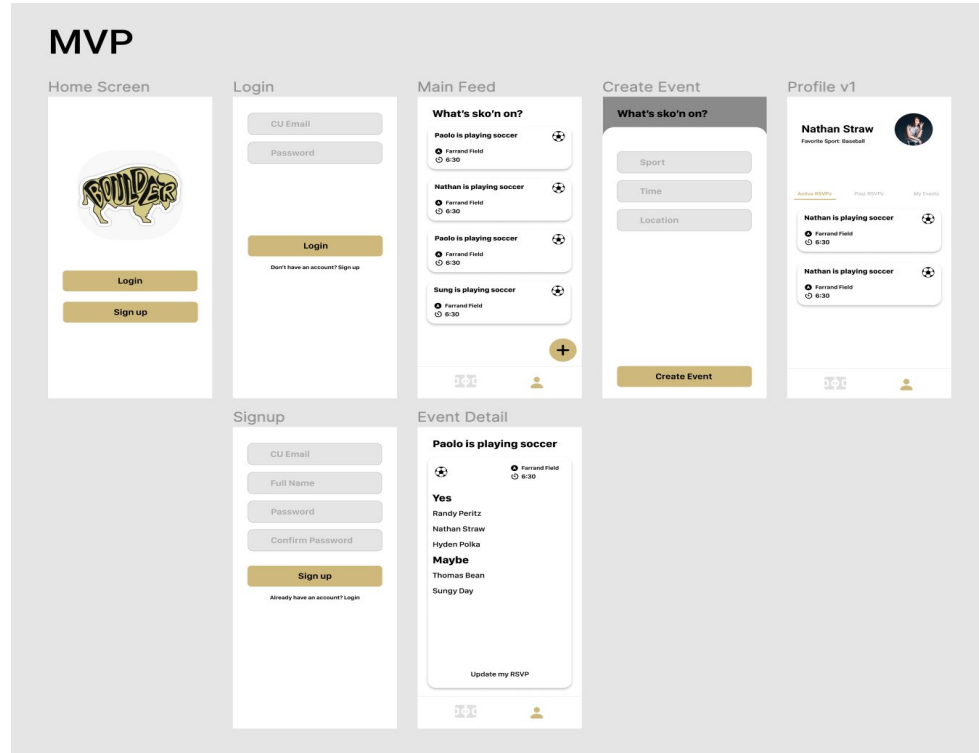


# Version Control, Testing and Tools

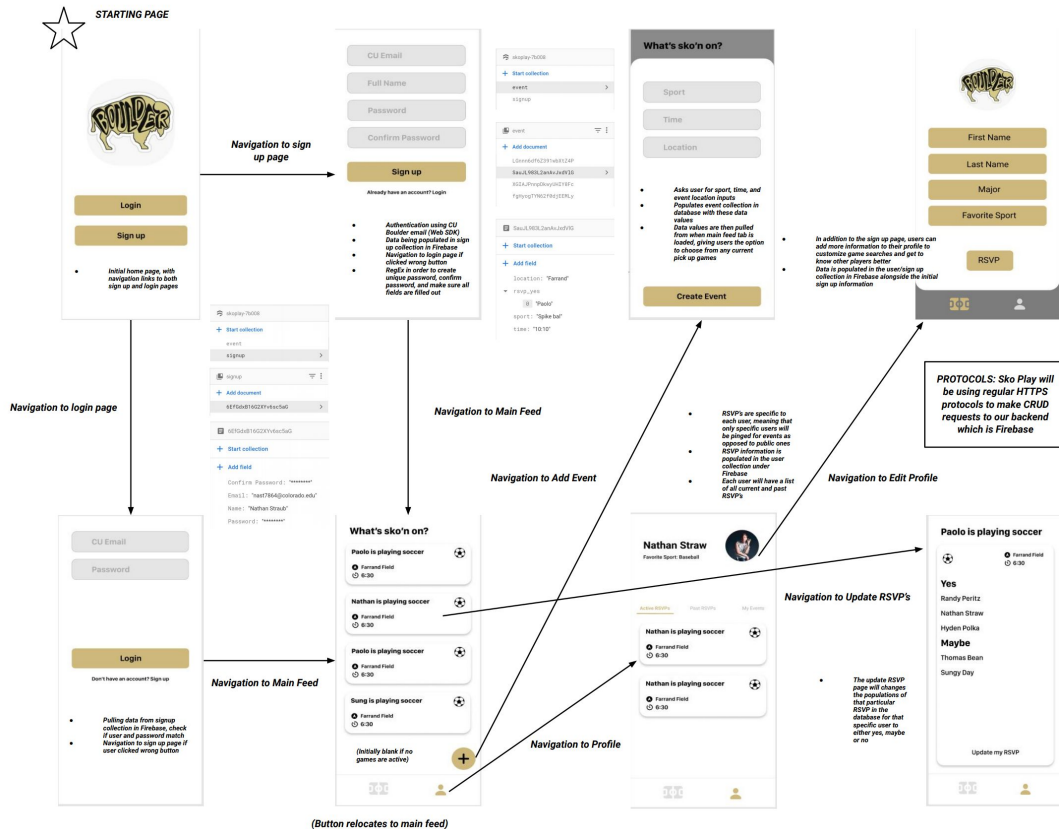


# Design

5/5

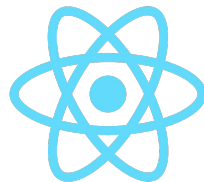


# Architectural Diagram



# The Frontend: React Native

5/5



- Fast development speed
  - Pre-built components
  - Growing community / plenty of documentation
- Cross Platform
  - Native! (iOS & Android)
- Reliable & Stable
- React Native Elements
  - Similar to Bootstrap
  - Other libraries to choose from



# The Backend: Firebase

5/5



Firebase is **Infrastructure-As-A-Service (IaaS)**, supplying multiple cloud services.

- Cloud Firestore - for our database
- Authentication - for our login and registration



# Firebase

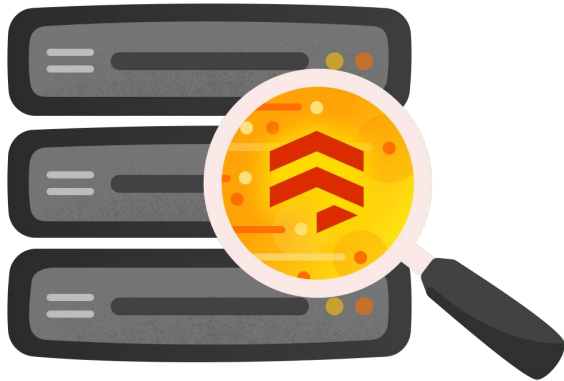


# Firebase: Cloud Firestore



Cloud Firestore is a noSQL database.

- noSQL doesn't use tabular relations
- "Collections" instead of tables
- "Documents" instead of records
- Our collections:
  - **users** - Data on names, emails, profile pictures, major, etc.
  - **events** - Data on event location, time, participants, etc.





# Firebase: Authentication

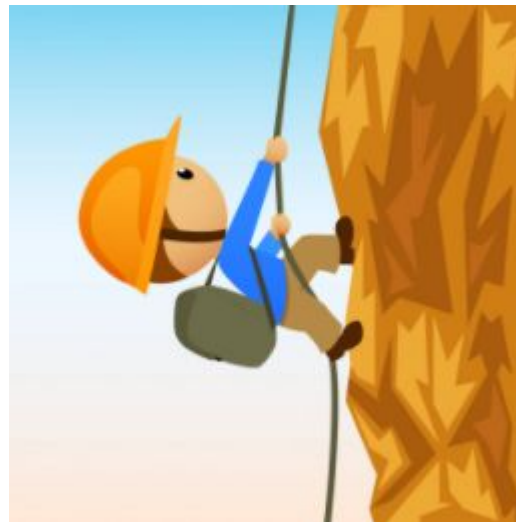
Firebase Authentication is an easy to use API for secure registration and login.

- Passwords are kept secure using salted hashing
- Persistent sessions allows users to remain logged in
- Password recovery services



# Challenges

- React
- API Implementation
- Async nature
- Version control with large team





Demo



# Deployment



- Currently in review for the Google Play Store
- Roadmap: iOS App Store



Sko Play: Join Pickup Games with other Students

Prancing Purple Ponies

★★★★★ 102,667

Everyone

Contains Ads

This app is compatible with your device.

Add to Wishlist

Install



# Future Roadmap

- Google Maps API
  - Drop pin at game location
- Expanded social features
  - Stories

