

Wager



What are you interested in?

Traditional bookies offer odds on things like sports games, politics and other generic events

With Wager, you can bet on anything with anyone



The score
on a
midterm
exam



A “friendly”
game of
pool



The results of
a campus
election

What else is out there?



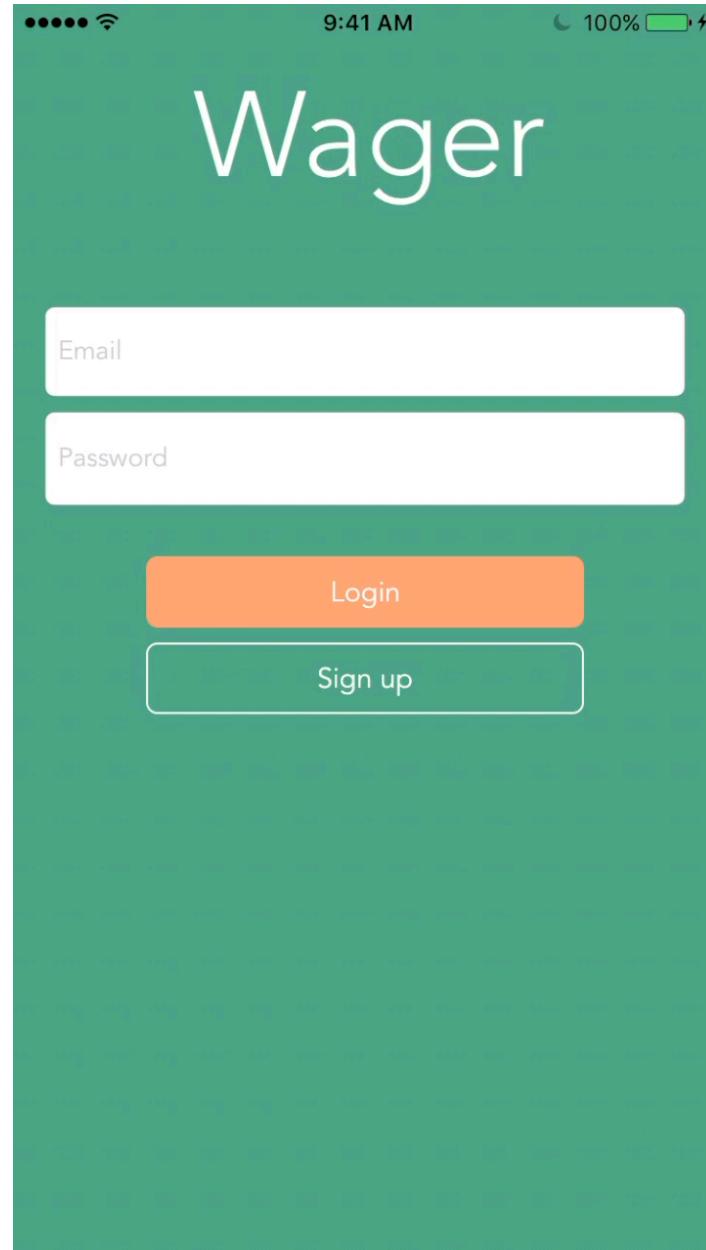
What do they not have?

1. Geolocation based betting
2. Feed with complex filtering mechanisms
3. Venmo integration



- ✓ Pose your own bets
- ✓ Find new wagers
- ✓ Keep track of your profits
- ✓ Be your own bookie

Sign Up



Filters

→ Open, Active, Completed

View content based on where the bet is in its lifecycle

→ Channels

Categories that make it easy to find the content that you are interested in

→ Geo Location

Find bets around you. Even specify the radius.

→ Friends

Find bets posted by your friends

Filters

•••••	9:41 AM	100% 
Apply Filter	Wagers	+
Students get on stage	\$10.00	
Jeremih		
MJ Leads the Tune Squad to...	\$100.00	
Judy Hops		
Fish are not good at basketball...	\$3.00	
Nemo The Fish		
All Princeton students have...	\$10.00	
William Of Orange		
Jack Jack has no powers	\$210.00	
Hellen Parr		
MySpace > Facebook	\$120.00	
Mark Zuckerberg		
I've cracked the Germans' c...	\$10.00	
Alan Turing		
Alpha GO	\$28.00	
Eric Schmidt		
Women's basketball undefeated	\$100.00	
Grace Hopper		

Profiles

- ▶ Profile is the home of all the information you need about your wagers
- ▶ Built in filters make it easy to see all of your bets categorized by their stage in the bet lifecycle

Profiles

		9:41 AM	100%
		Apply Filter	Wagers
		+	
Students get on stage	Jeremih	\$10.00	
MJ Leads the Tune Squad to...	Judy Hops	\$100.00	
Fish are not good at basketball...	Nemo The Fish	\$3.00	
All Princeton students have...	William Of Orange	\$10.00	
Jack Jack has no powers	Hellen Parr	\$210.00	
MySpace > Facebook	Mark Zuckerberg	\$120.00	
I've cracked the Germans' c...	Alan Turing	\$10.00	
Alpha GO	Eric Schmidt	\$28.00	
Women's basketball undefeated	Grace Hopper	\$100.00	

The bet lifecycle

Open → **Active** → **Completed** → **Confirmed**

No one has accepted the other side of the bet

The bet has been accepted by another user, but the outcome hasn't been decided

The outcome has been decided and loser has indicated payment

Winner has confirmed that payment was received, or loser has chosen not to pay

Bet Settlement

- Bets are settled by users
If both users agree on the outcome of the underlying event, the bet is settled. Otherwise, the bet goes into arbitration.
- Users have the option to pay with real money
But can also choose not to pay

Rating

- Each user has a rating that indicates how likely they are to pay up when they lose a bet
- Receive 5 star rating if payment verified by winner
- Receive 0 stars if 'do not pay' option exercised





9:41 AM

100%

Apply Filter

Wagers



I can touch the boat	\$10.00
Nemo The Fish	
I can cross the entire ocean	\$10.00
Nemo The Fish	
Students get on stage	\$10.00
Jeremih	
MJ Leads the Tune Squad to...	\$100.00
Judy Hops	
Fish are not good at basketb...	\$3.00
Nemo The Fish	
The ocean has more than 10...	\$1.00
Nemo The Fish	
All Princeton students have...	\$10.00
William Of Orange	
Dory cannot speak whale	\$2.00
Nemo The Fish	
Fish are friends not food	\$11.00
Nemo The Fish	



Bet Feed



Profile



Search



9:41 AM

100%

Apply Filter

Wagers



Fish are not good at basketb...	\$3.00
Nemo The Fish	
All Princeton students have...	\$10.00
William Of Orange	
Jack Jack has no powers	\$210.00
Hellen Parr	
MySpace > Facebook	\$120.00
Mark Zuckerberg	
I've cracked the Germans' c...	\$10.00
Alan Turing	
Alpha GO	\$28.00
Eric Schmidt	
Women's basketball undefea...	\$100.00
Grace Hopper	
Someone in orchestra will fall	\$15.00
Eric Schmidt	
AI	\$100.00
Eric Schmidt	



Bet Feed



Profile



Search



Rock paper scissors

Other Key Features:

1. Search for any bet or user in custom ViewController
2. Seamless integration of Firebase and state listeners to provide accurate and up-to-date information to the user
3. Employs GeoFire Pod for geolocation-based range querying
4. Edit pages for bets and profile
5. Friend functionality (adding, deleting, searching)
6. Built with UI Constraints to enable use on any screen size

Future improvements

- ▶ Adding a way to directly challenge another specific user
 - ▶ "I bet \$5 that I beat @mike_swart in a 40 yard dash"
- ▶ Implement a consensus algorithm to handle arbitration
- ▶ Expiration times for bets



Questions?