Hello!

Chandra’s Angels
Project: MunchEase

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MunchEase

Munch with ease!
1. Problem Overview
What are we trying to solve?
A short video

https://vimeo.com/338586420
Problem Overview

- Help large groups decide where to go to eat
- Decide democratically by voting
2. Existing Solutions

Who has solved this problem already, and how?
Individual deciding

- Several existing solutions to help individuals decide where to eat
  - Yelp, Zomato, OpenTable, etc.
Ness app auto recommends restaurants to groups based on their preferences
  - Does not resolve decision conflicts
  - VoteUp allows slider-based voting on user-inputted activities
    - What if you’re traveling?
3. Our Solution
How did we solve this problem?
Yelp Integration

- Use Yelp Fusion API to get local restaurants
- Users can look at real customer reviews and relevant information
Democratic Voting

- Users can create and join parties
- Members of a party can nominate restaurants
- Nominated restaurants can be voted on to determine where to eat
4. Key Technologies
What did we use to solve this problem?
## Components of Our App

<table>
<thead>
<tr>
<th>Front-End</th>
<th>Firebase</th>
<th>Yelp Fusion API</th>
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| - Used Android Studio to create a User interface  
- Chose Java over Kotlin so we would have a large Java component | - Cloud Firestore used to store data  
- Party stored in document corresponding to ID  
- Restaurants stored in subcollection within the party document | - An input was queried in Yelp API  
- Processed by a GET request in the Yelp Fusion API  
- JSON response parsed into Restaurant object to be displayed |
Firestore Data Structure

Parties (collection)

123-456 (document)
  Party Info (fields)
  Restaurants (sub-collection)

987-654 (document)
  Party Info (fields)
  Restaurants (sub-collection)
5. Demo

See MunchEase in action
6. Future Features

Things we’d like to add in the future
Future Features

- Map view with list restaurants
- Join party via QR code
- Profile stat tracking
- “Super-votes”
- Host could disable previously chosen restaurant
Thanks!

Any Questions?