

MEME FEED

Senior Design Project
Meme Teme

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The Problem

- Memes are funny, BUT not all memes are funny!
- Each person has their own refined Meme tastes and preferences.
- No adequate social media mobile application based solely around Memes.

Temporary Solution

- Currently people will find their Memes through reddit, facebook, twitter, instagram, etc.
 - Sometimes these applications have irrelevant content such as family photos, status updates, or posts about feelings.
- When looking at Memes a user often sees memes that they do not find funny or fully enjoy

Our Solution

- We want to solve this problem by creating:
 - A mobile application that is purely Meme based
 - A Meme based application that can learn from a user's Meme tastes and recommend quality Memes to them.

Release 1 Goals

- Release app with core functionality on the App Store
- Core functionality includes social functions and general usability
 - Creating an account with email
 - Following and searching users
 - Reacting to memes
 - Viewing memes in a feed-style screen
 - Viewing the memes you have positively reacted to

Release 2 Goals

- Use machine learning to recommend memes
 - Based on the memes you and people you follow react to
 - Display these recommended memes into a curated feed
- Continue to iterate on core functionality
 - Upload own memes
 - Gather user data
 - Refine usability and aesthetics
- Release on Google Play Store

Development Requirements

- Hardware
 - Macs - for Xcode
- Software
 - Xcode - for simulator
 - npm - for installing and running React Native

Challenges

- Debugging with React Native
- Not getting correct functionality from Firebase and learning the technology.
- Learning to work with React Native framework
- Getting distracted by memes



Our Approach

- The application is based several feeds where the user can:
 - View their previous likes
 - View the likes of their friends
 - View relevant and new memes from reddit
- Facilitating user interactions
 - Searching and visiting other user's profile
 - Following users so they show up in your friend feed

Demo

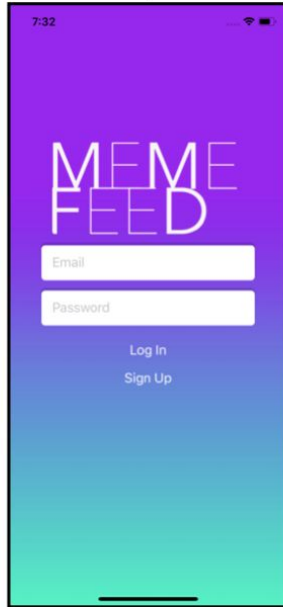
<https://youtu.be/8L6TP4dj5t8>

Solution Components:

- Our major components in our application are:
 - A variety of feeds
 - User profiles to keep track of a users reacts
 - Searching for users
 - A web scraper to find memes

Web Scraper

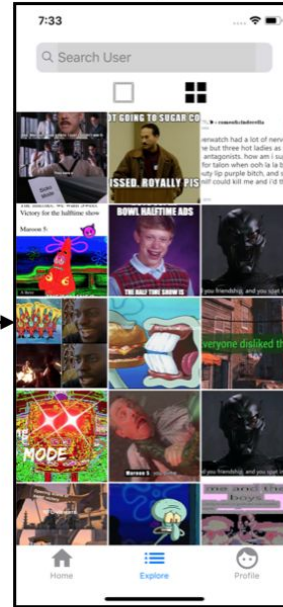
Firestore



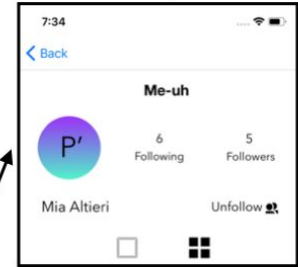
Login & Sign Up



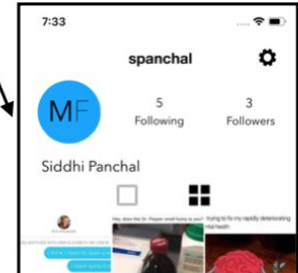
Home Feed



Explore



User Page

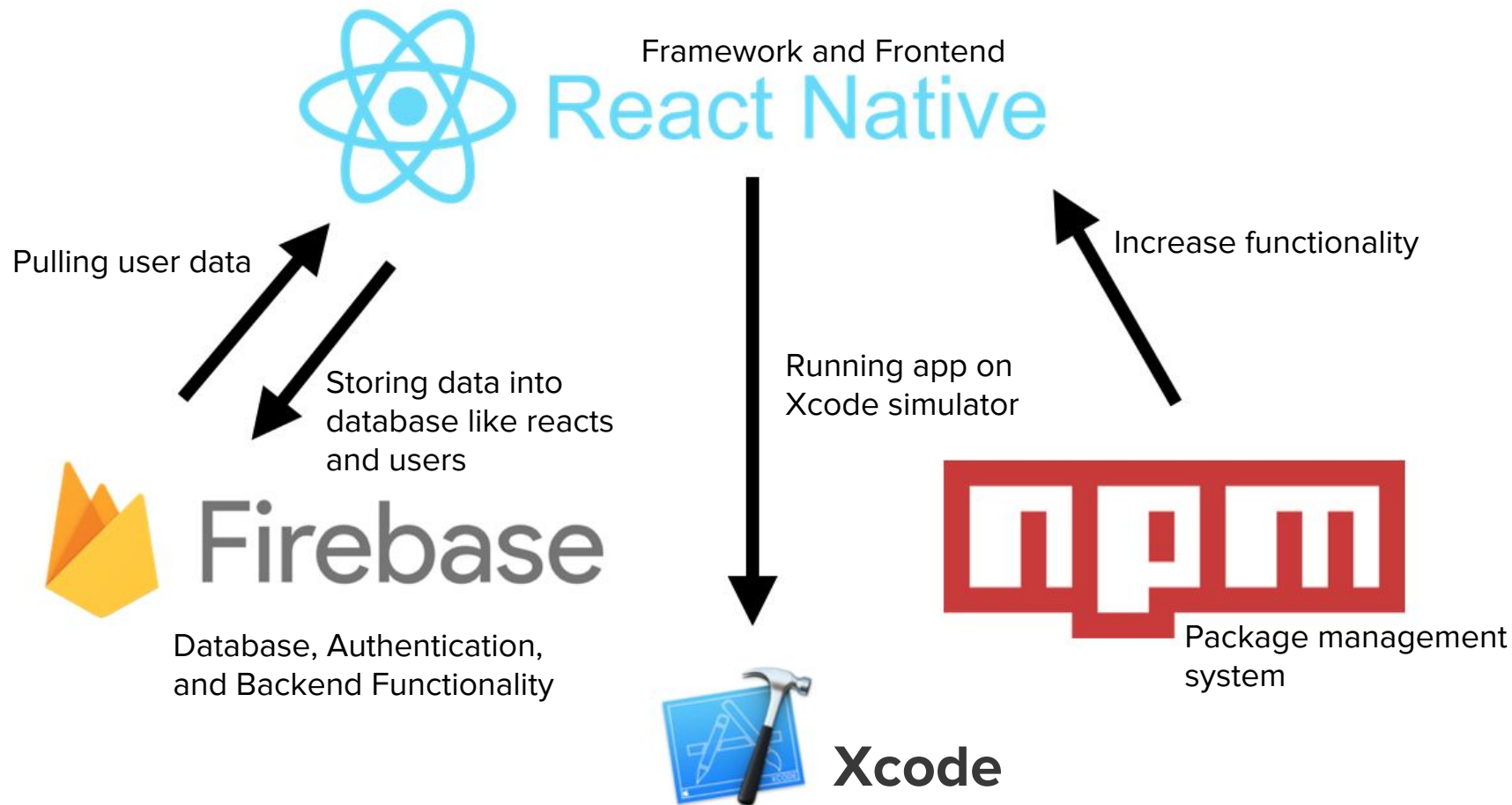


Profile Page

Technology Stack

- Our application relies on Firebase, React-Native and NPM,
- Firebase
 - Used to store the data for the application
- React-Native
 - Front-end Framework
- npm
 - Package Management
- Xcode
 - Testing

Technology Flow



Results & Achievements

- Created a clean and functional mobile application began release process
- Basic User Functionality
 - Creating an account with email
 - Reacting to memes
 - Viewing memes in a feed-style screen
 - Viewing the memes a user positively reacted to
- User Interaction
 - Following and searching users
 - Viewing the content of other users

Release 2 Goals

- Objectives for Release 2
 - Creating a machine learning algorithm to suggest memes based on a follower's likes and dislikes.
 - Allow users to be able to upload memes of their own.
- Final Project: Fully functioning app with machine learning capabilities, extremely user friendly
- How will we know the project was a success?
 - When we get good reviews on the App Store
 - When we get a bajillion downloads on the App Store

Questions -&- Comments

Look out for Meme Feed coming to the App Store Spring 2019

