bubble
Team 8
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PROBLEM STATEMENT

The goal of bubble is to provide people with a location based social network that they can view in AR. It will allow users to post about interesting things happening around them, as well as view posts from people nearby. Users will be able to see posts on a 2D map, or in an AR view. People will also be able to interact with people's posts through a voting system in order to ensure that quality content is more visible.

OBJECTIVES

- bubble will show a user social posts around them either through a 2D or an augmented reality experience.
- Users will be able to walk around and see different posts as they move closer to the location they were posted at.
- Users will be able to modify their posts to adjust to the changing world.
- A settings page will be provided to users so they can change certain aspects of their experience like the radius of posts they see.

STAKEHOLDERS

- Users: People sharing posts on bubble
- Developers: Sawyer Blatz, Siraj Zaneer, Dhruv Upadhyay, Abdul Aziz Bah
- Project Manager: Siraj Zaneer
- Project Owner: Sawyer Blatz, Siraj Zaneer, Dhruv Upadhyay, Abdul Aziz Bah

DELIVERABLES

Services
- iOS client
    - Allow users to post "bubbles"
    - Allow users to view posts in mapview
    - Allow users to view posts in AR view
    - Allow users to interact with posts (like/dislike)
    - Allow users to modify posts
- Firebase backend
    - Handle user authentication (signup/login/logout)
    - Store posts in database
    - Retrieve posts from database

- Store location data in database
- Retrieve location data from database

Platforms/Frameworks
- Swift
- UIKit
- Xcode
- ARKit
- Git
- Firebase backend