

# Seek and Hide

Primary purpose is to connect people virtually and physically.

Our goal statement to create a Social app where you get notified if a user is nearby and you try to identify who it is.





# Names

## **Team Members:**

Nicholas Ferko: (Ferkond@mail.uc.edu)

Kevin Slyh: (slyhkt@mail.uc.edu)

Samir Idris: (idrissa@mail.uc.edu)

Kody Penn: (pennky@mail.uc.edu)

## **Faculty Advisor:**

Prof. Niu: niunn@ucmail.uc.edu)



# Goals

The original idea for this project was to create a social app where the user gets notified if another user is nearby and they try to identify each other. The user uploads either a picture of themselves or a description of what they are wearing and other users will be notified if they are in close enough proximity. The primary purpose is to connect people virtually and physically.



# Intellectual Merits

We used a cloud solution for our backend and used newer tools in AWS to help us solve our challenges. Such as Amplify and Cognito. We are also using expo with react native so that our application is compatible with all platforms.



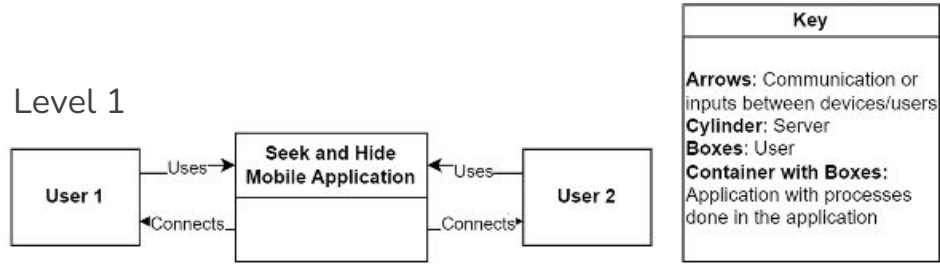
## **Broader Impacts**

The main purpose of our project is to connect people in a virtual and physical space. By achieving this social connection in a space outside of traditional social media, we hope to foster stronger relationships among our users.

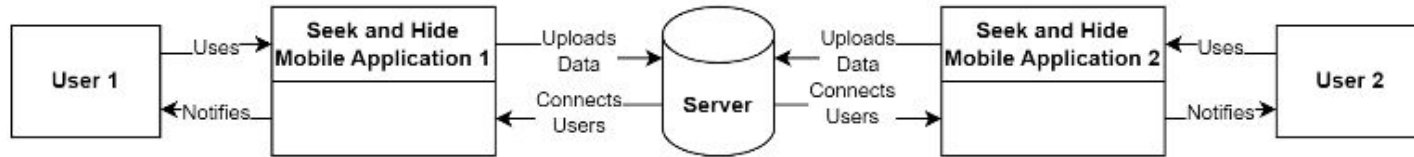


# Design Specifications

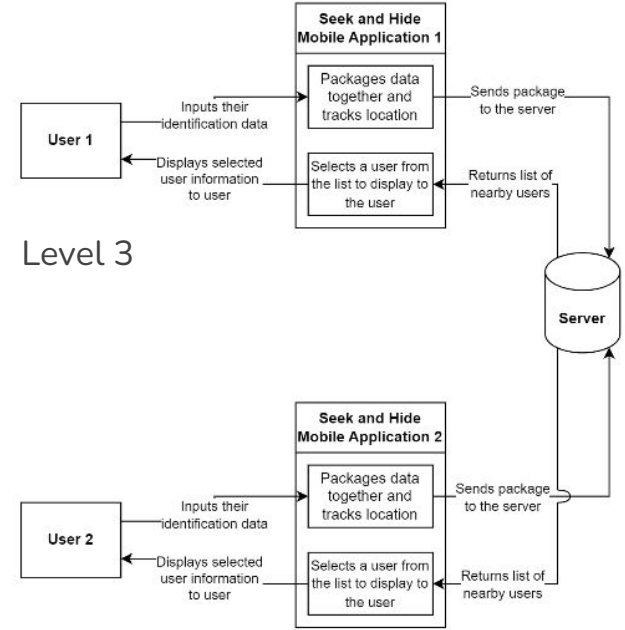
Level 1



Level 2



Level 3





# Technologies

The front-end of the application is done in React Native and includes features such as geolocation and camera integration.

The back-end of the application uses AWS as the cloud provider. Services used in AWS are Amplify, S3, Cognito, Websockets via API Gateway, and Lambda functions.

The entire application has been tested using Expo GO to ensure the app is functional on iOS, Android, and the web.



# Milestones

Completed	Define Project and Scope
Completed	Setup Kanban board
Completed	Research what Applications and programming languages are the most efficient for mobile cross-platform development
Completed	Setup environment
Completed	Create branches in GitHub repository
In Progress	Create cloud architecture/find template
In Progress	Create cloud storage for the application
To Do	Implement user found authentication
To Do	Implement user physical description/picture input
In Progress	Research Security best practices for an application like ours
In Progress	Perform cross-platform compatibility testing
In Progress	Test application server connection
Completed	Implementation of location tracking services for pinpointing user locations
In Progress	Implement pairing up of users based on location
To Do	Determine a list of possible features
Completed	Implement user authentication
Completed	Implement account creation interface
Completed	Design UI Prototypes
To Do	Test UI with users
To Do	Refine UI utilizing user feedback





# Challenges

- Ensuring the application is compatible for the different platforms we planned on supporting (Iphone, Android, Web)
- Learning how to create/manage an AWS cloud backend
- Learning React Native and applying the best practices
- AWS React Native Packages giving trouble at times with errors



# Results

