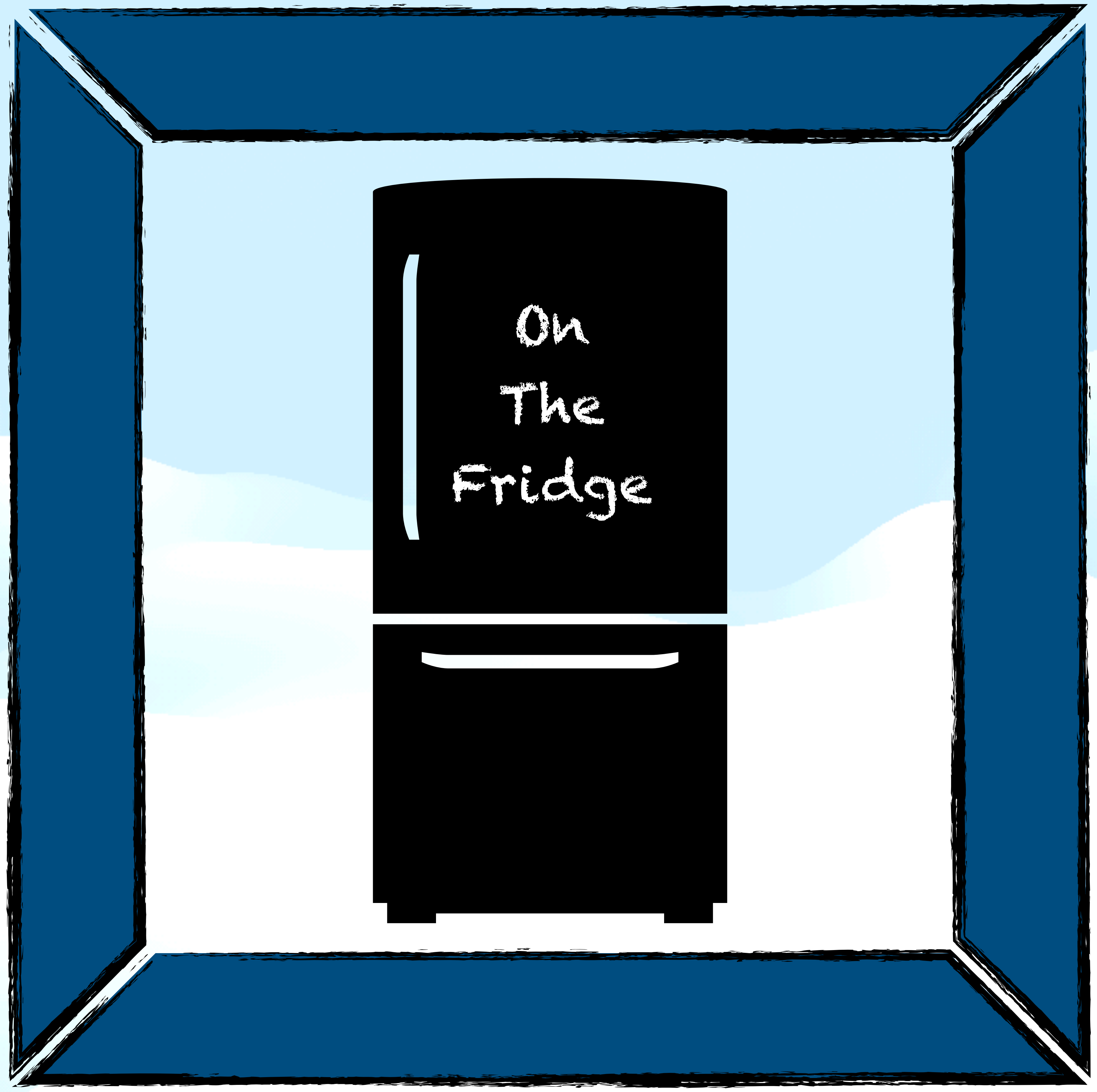


On The Fridge

Presented By: Andrew, Ayoub, Ayesha, Nazneen

The Problem

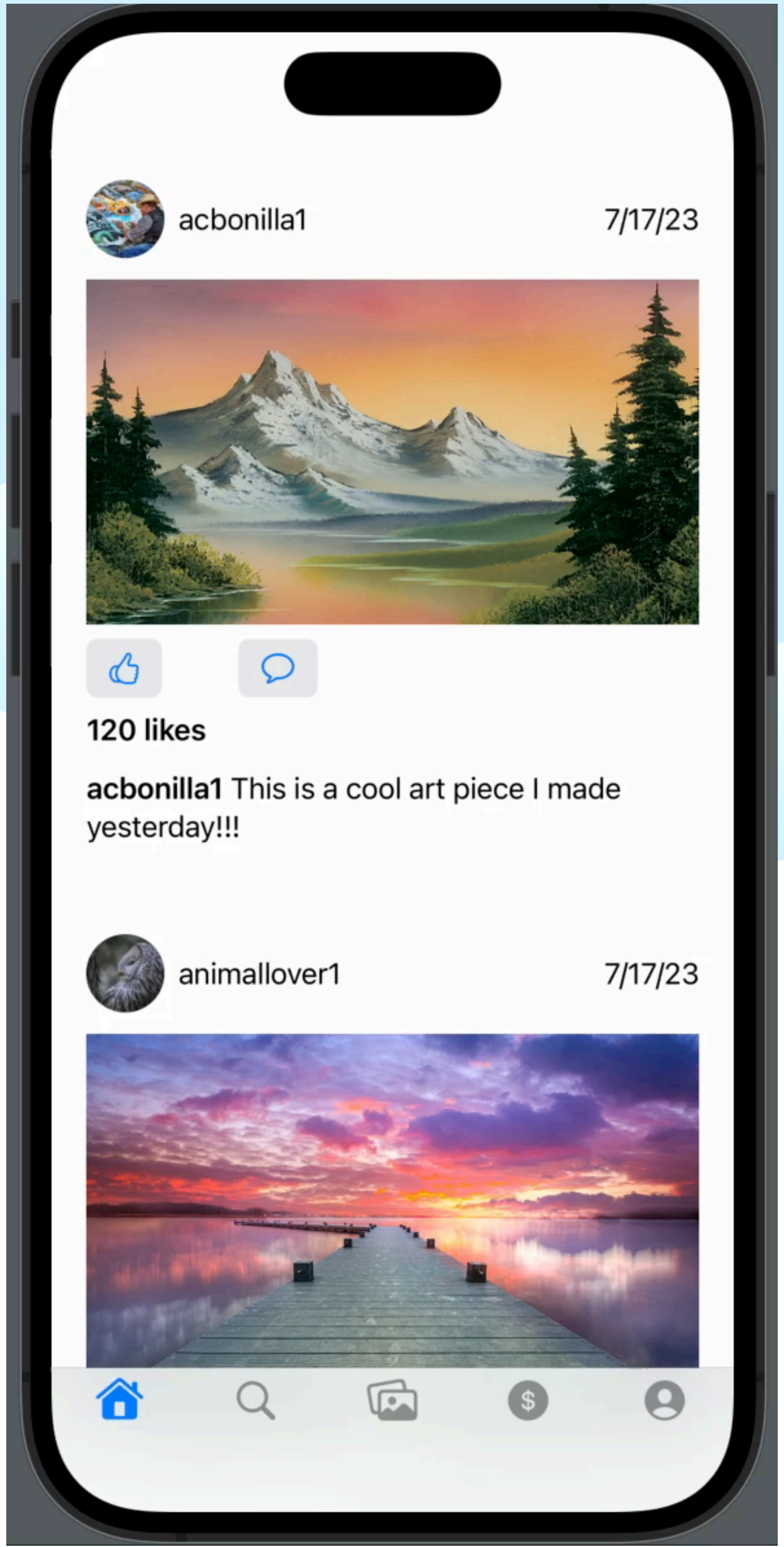
- Students in Chicago that create innovative solutions/projects do not get the attention they deserve
- Young innovators need motivation & support
- Social media is not a safe place for kids to upload their creative work without being criticized

Research & Demand

- Social media community
- Pew Research Center data 2022
  - 71% said social media is a place where they can show their creativity
  - 67% said social media helps them feel that they have people to support them through tough times
  - 58% said it makes them feel more accepted
- We need a space for teens to feel the benefits, but also escape the downsides.

The Solution

- Share student accomplishments through a “social media”-eque posting system
- Show appreciation through likes
- Comment section includes buzzwords and emotes
- What makes this unique and effective?



acbonilla1 7/17/23

120 likes

acbonilla1 This is a cool art piece I made yesterday!!!

animallover1 7/17/23

The Solution

- Share student accomplishments through a “social media”-eque posting system
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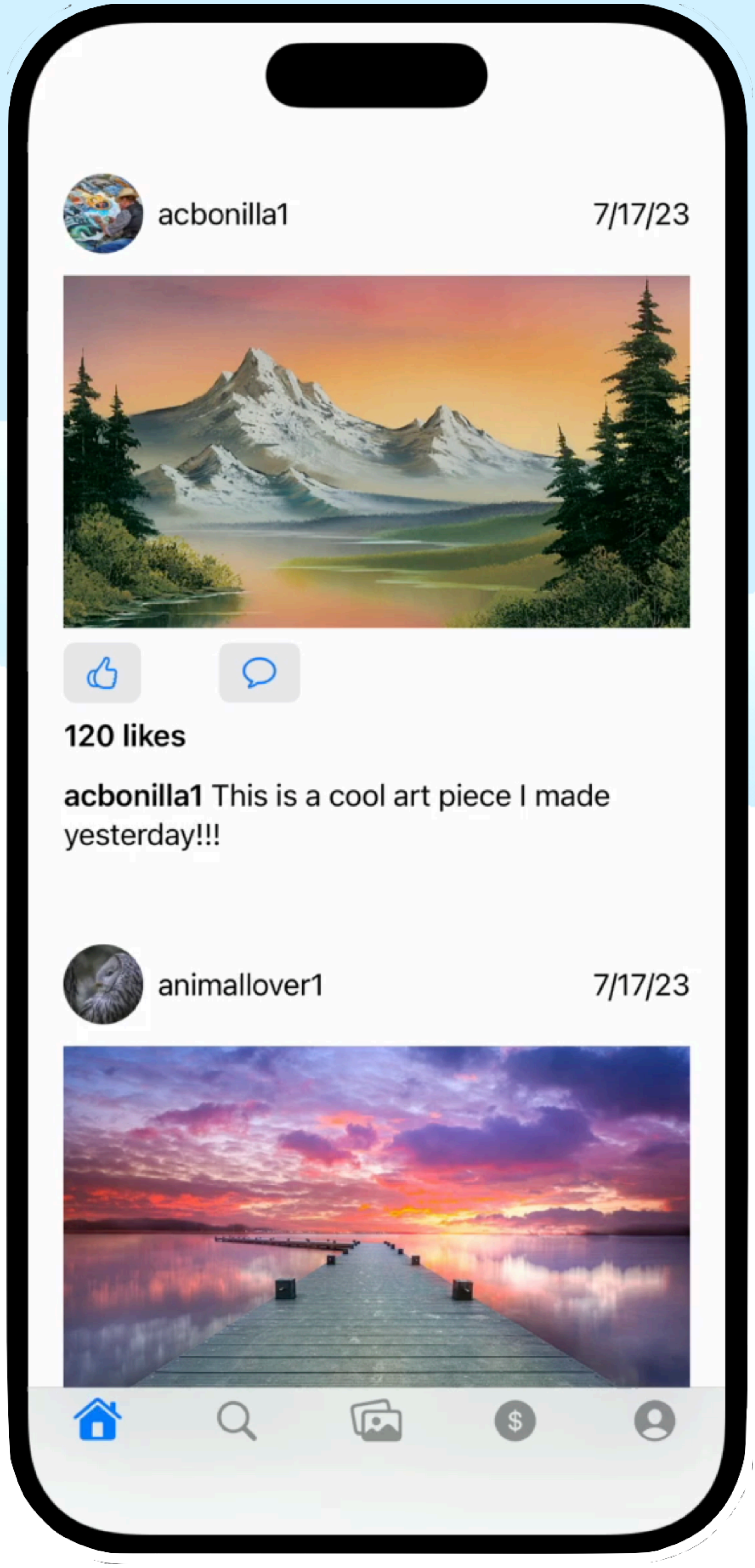


acbonilla1 7/17/23

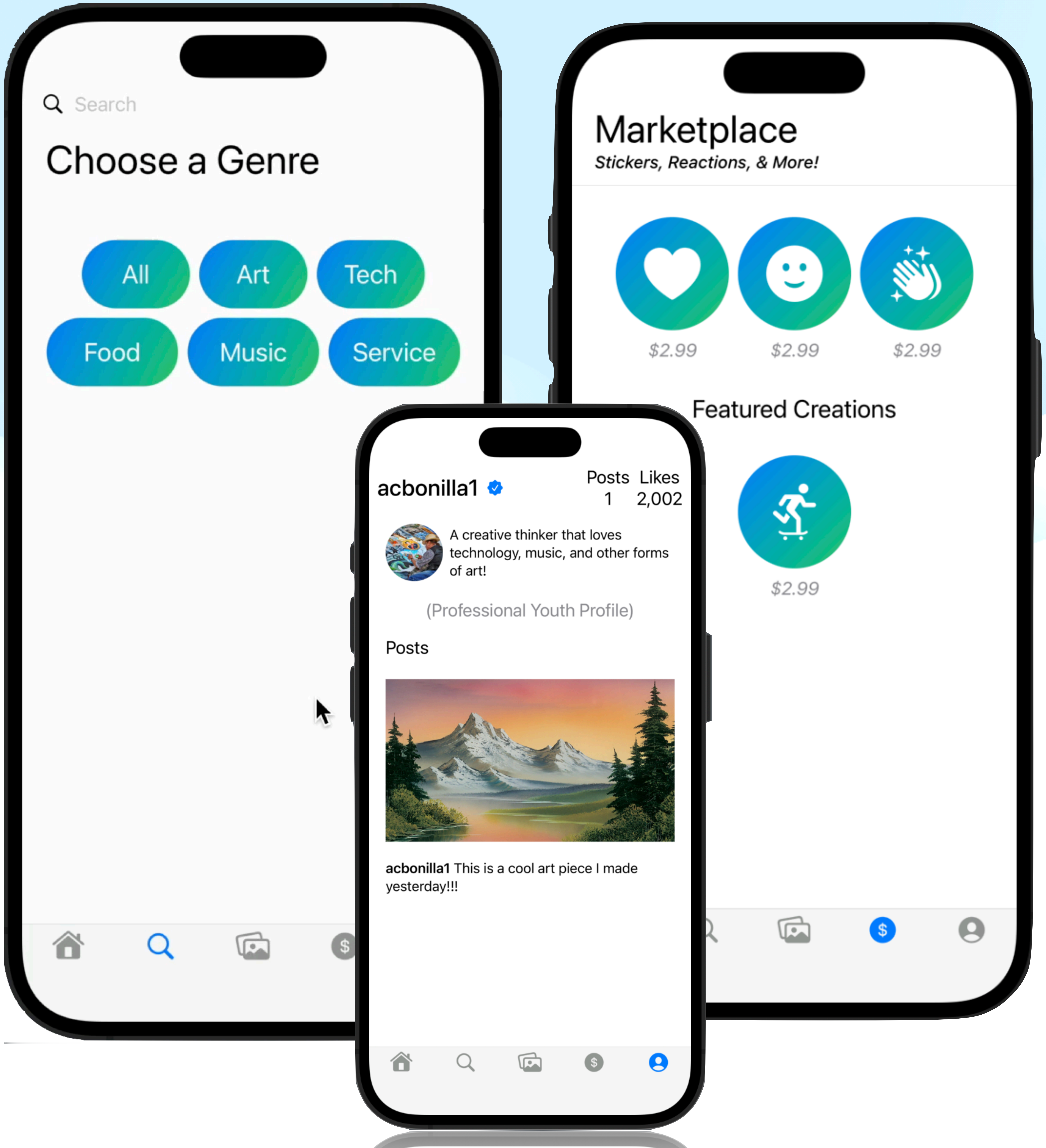
120 likes

acbonilla1 This is a cool art piece I made yesterday!!!

animallover1 7/17/23

Fun Features In Our App

- User retention: Purchase & earn emotes for unique comments!
- Students will have the freedom to personalize their comment section with their own custom comments/emotes
- Customizable user profiles & Badges
- Filter through different categories of posts & search for users

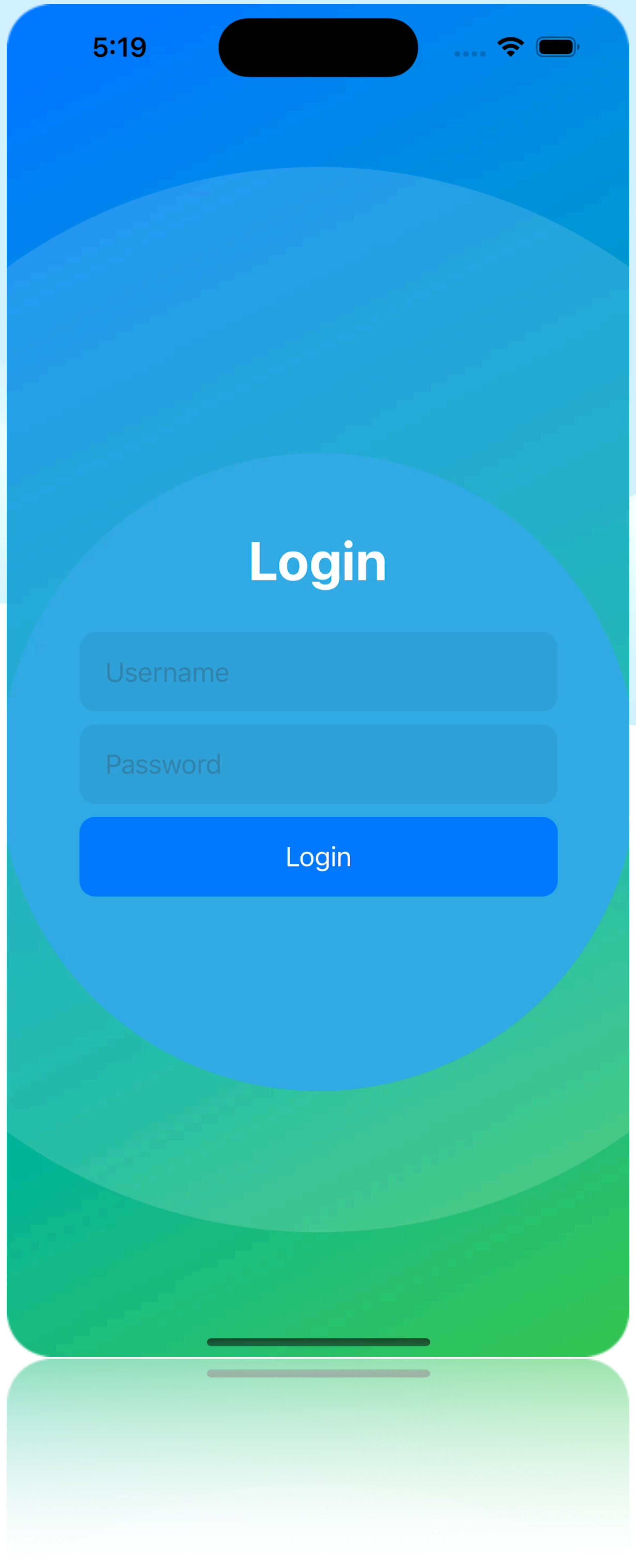


A creative thinker that loves technology, music, and other forms of art!

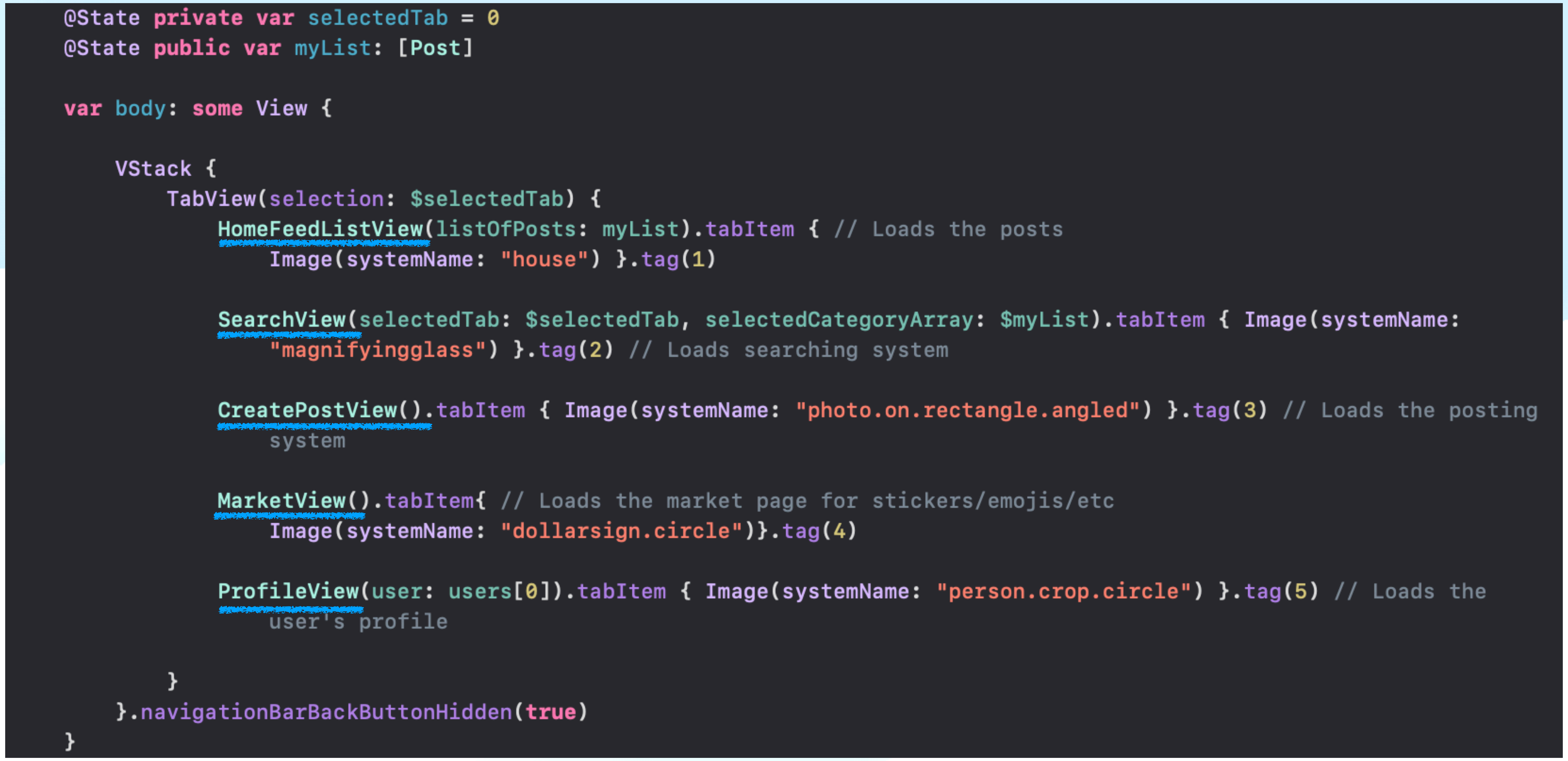
acbonilla1 This is a cool art piece I made yesterday!!!

General Structure & Safety

- Only CPS students / teachers can create an account, as it only accepts @...edu email suffixes
- Accounts can post with an image(s) & description (similar to Instagram but safer for kids)
- Students will be able to convert @edu email to a personal email when they are 18
- Buzzwords & stickers keep the community safe!



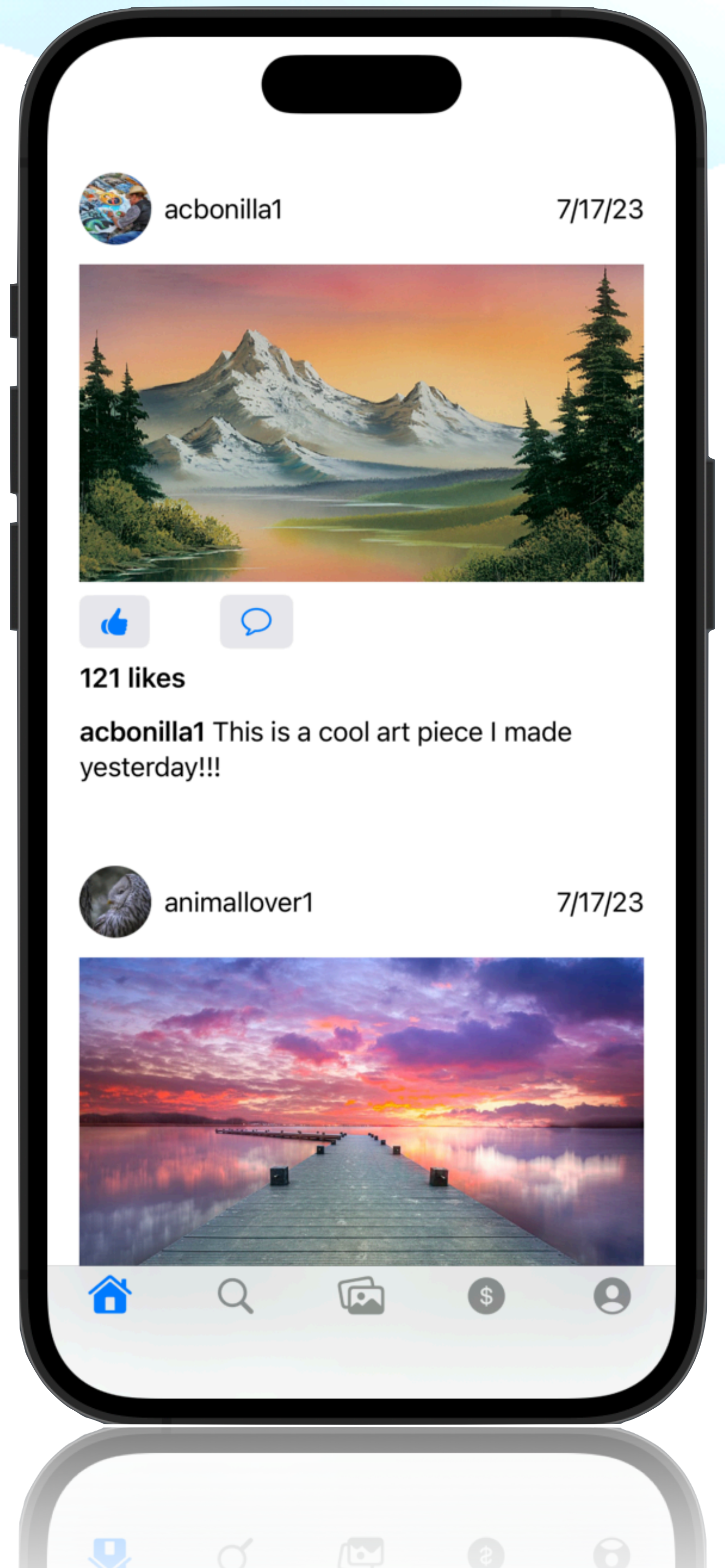
The Code



```
@State private var selectedTab = 0
@State public var myList: [Post]

var body: some View {

    VStack {
        TabView(selection: $selectedTab) {
            HomeFeedListView(listOfPosts: myList).tabItem { // Loads the posts
                Image(systemName: "house") }.tag(1)

            SearchView(selectedTab: $selectedTab, selectedCategoryArray: $myList).tabItem { Image(systemName:
                "magnifyingglass") }.tag(2) // Loads searching system

            CreatePostView().tabItem { Image(systemName: "photo.on.rectangle.angled") }.tag(3) // Loads the posting
                system

            MarketView().tabItem{ // Loads the market page for stickers/emojis/etc
                Image(systemName: "dollarsign.circle")}.tag(4)

            ProfileView(user: users[0]).tabItem { Image(systemName: "person.crop.circle") }.tag(5) // Loads the
                user's profile

        }
    }.navigationBarBackButtonHidden(true)
}
```

Main hub for views

- Tab View allows users to easily navigate be
pages (ViewControllers)
- Data from JSON files



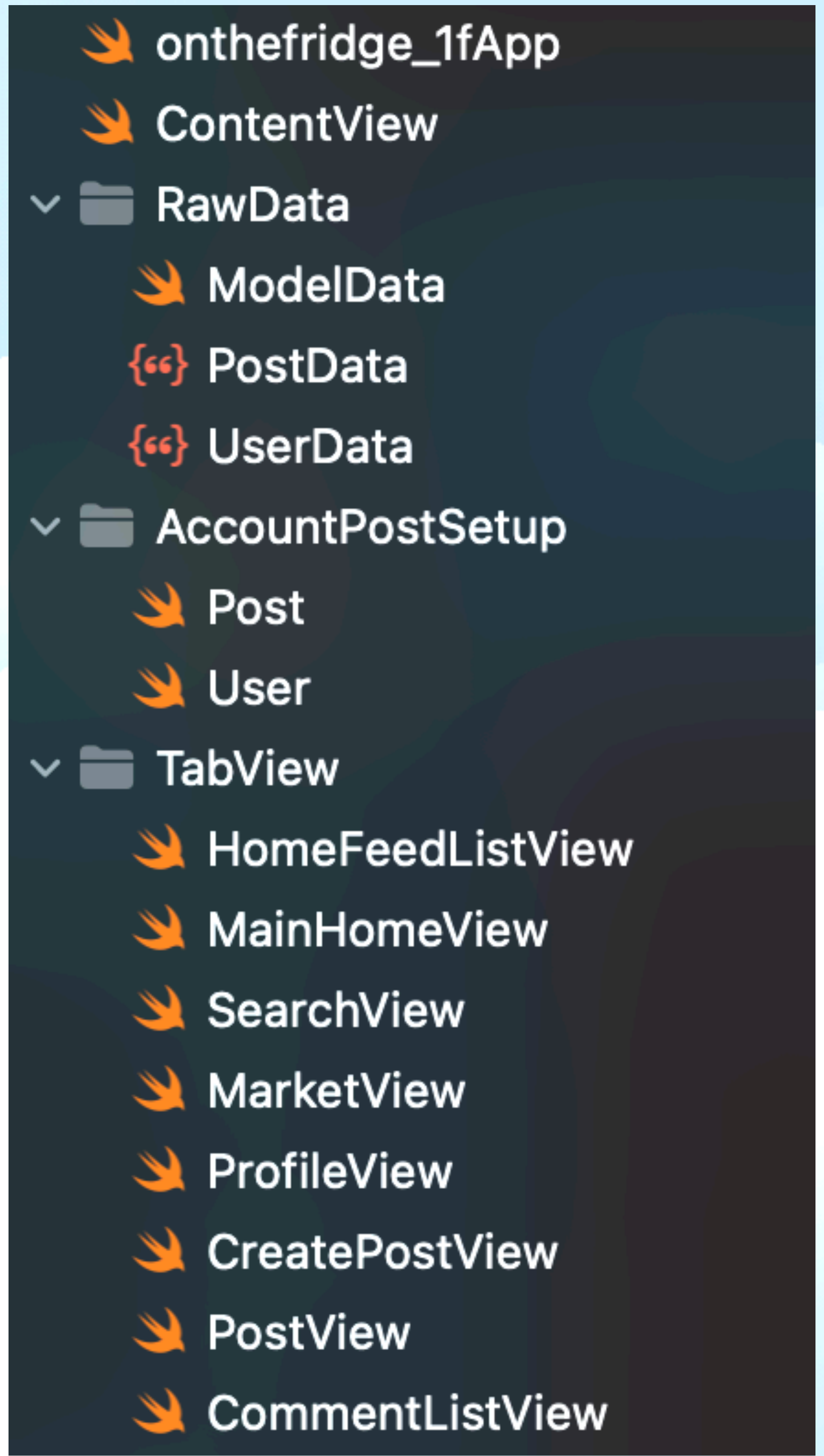
acbonilla1 7/17/23

121 likes

acbonilla1 This is a cool art piece I made yesterday!!!

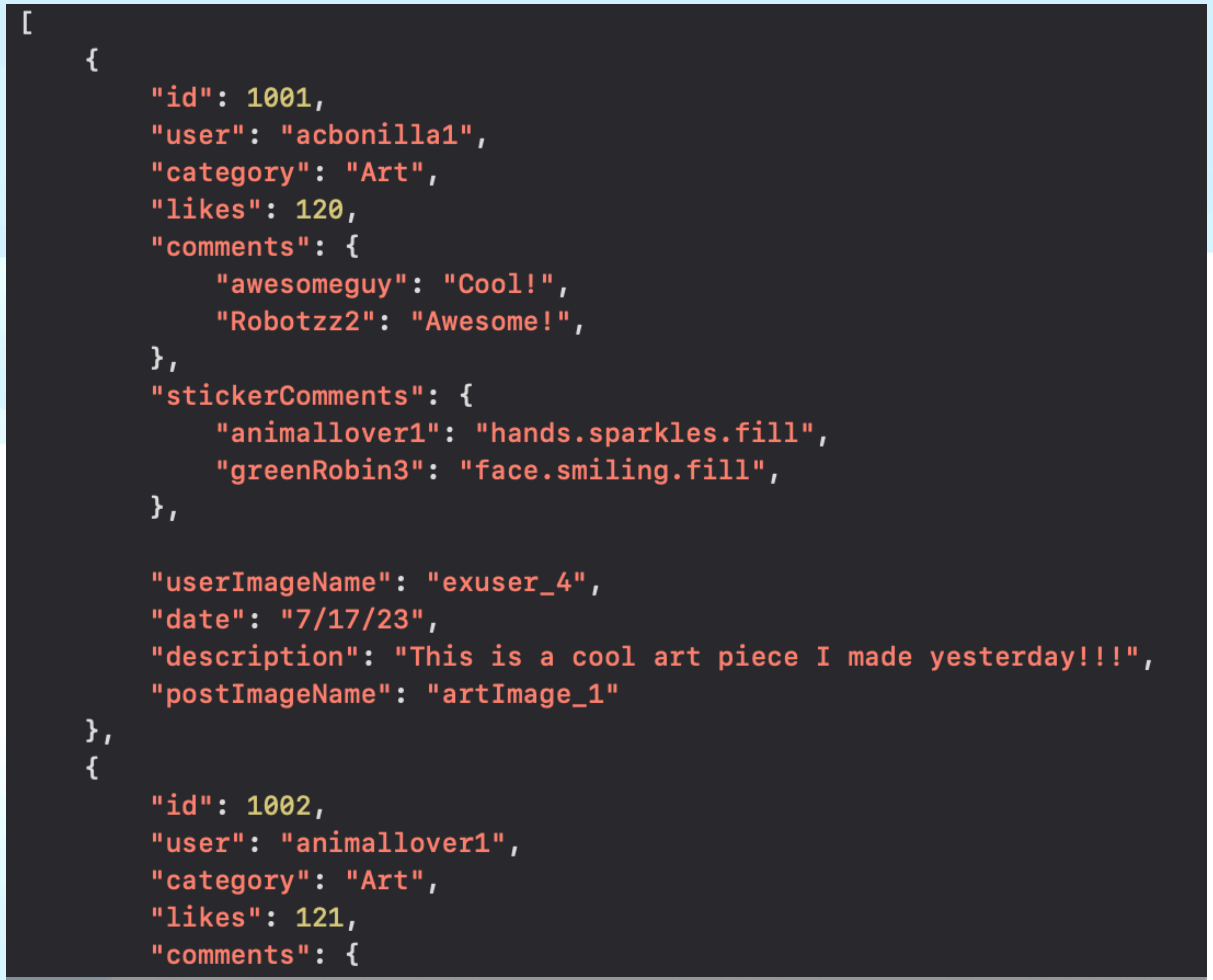
animallover1 7/17/23

Data Structures & Future Security



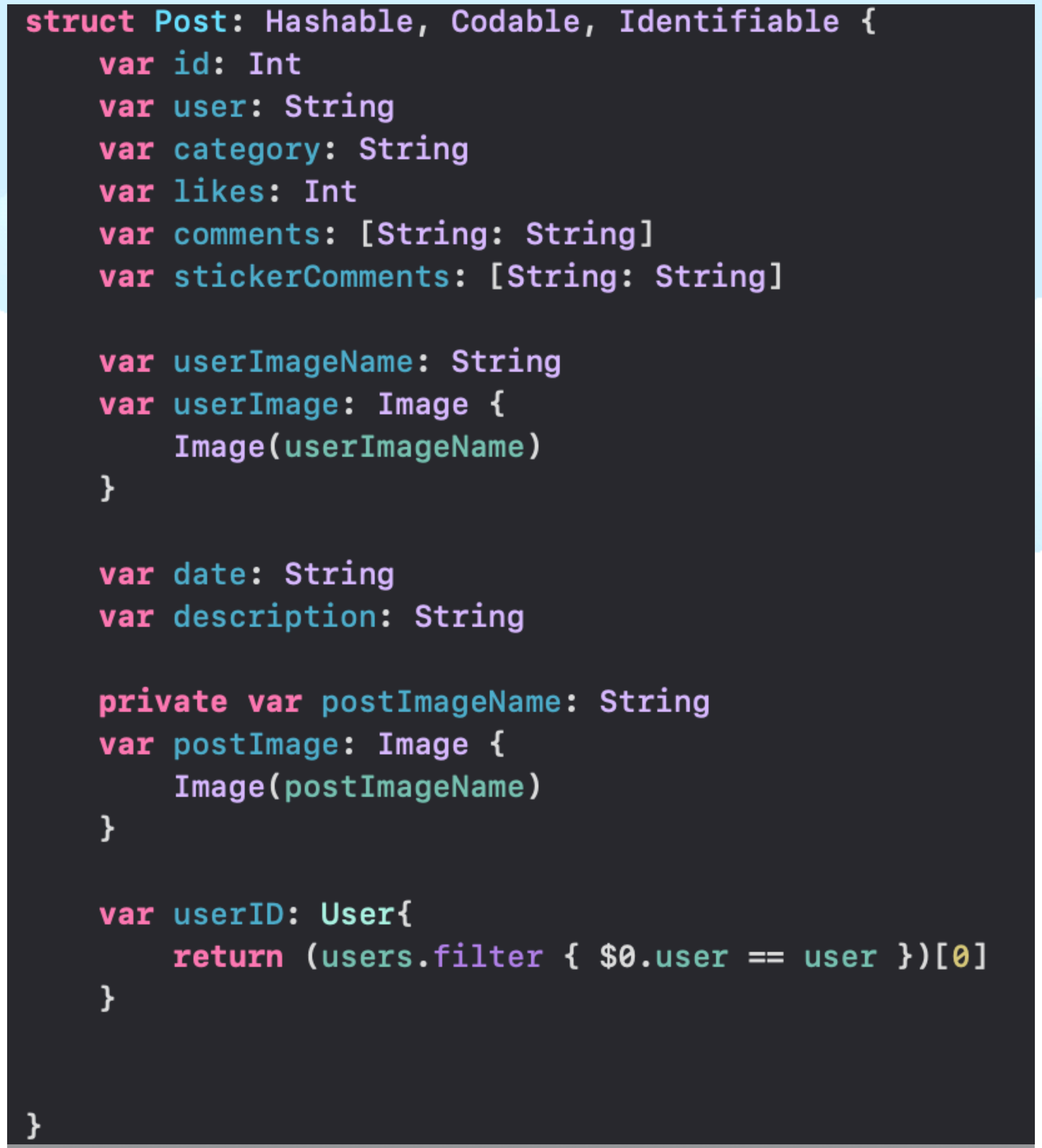
onthefridge_1fApp
ContentView
RawData
ModelData
PostData
UserData
AccountPostSetup
Post
User
TabView
HomeFeedListView
MainHomeView
SearchView
MarketView
ProfileView
CreatePostView
PostView
CommentListView

PostData



```
[
    {
        "id": 1001,
        "user": "acbonilla1",
        "category": "Art",
        "likes": 120,
        "comments": {
            "awesomeguy": "Cool!",
            "Robotzz2": "Awesome!",
        },
        "stickerComments": {
            "animallover1": "hands.sparkles.fill",
            "greenRobin3": "face.smiling.fill",
        },

        "userImageName": "exuser_4",
        "date": "7/17/23",
        "description": "This is a cool art piece I made yesterday!!!",
        "postImageName": "artImage_1"
    },
    {
        "id": 1002,
        "user": "animallover1",
        "category": "Art",
        "likes": 121,
        "comments": {
```

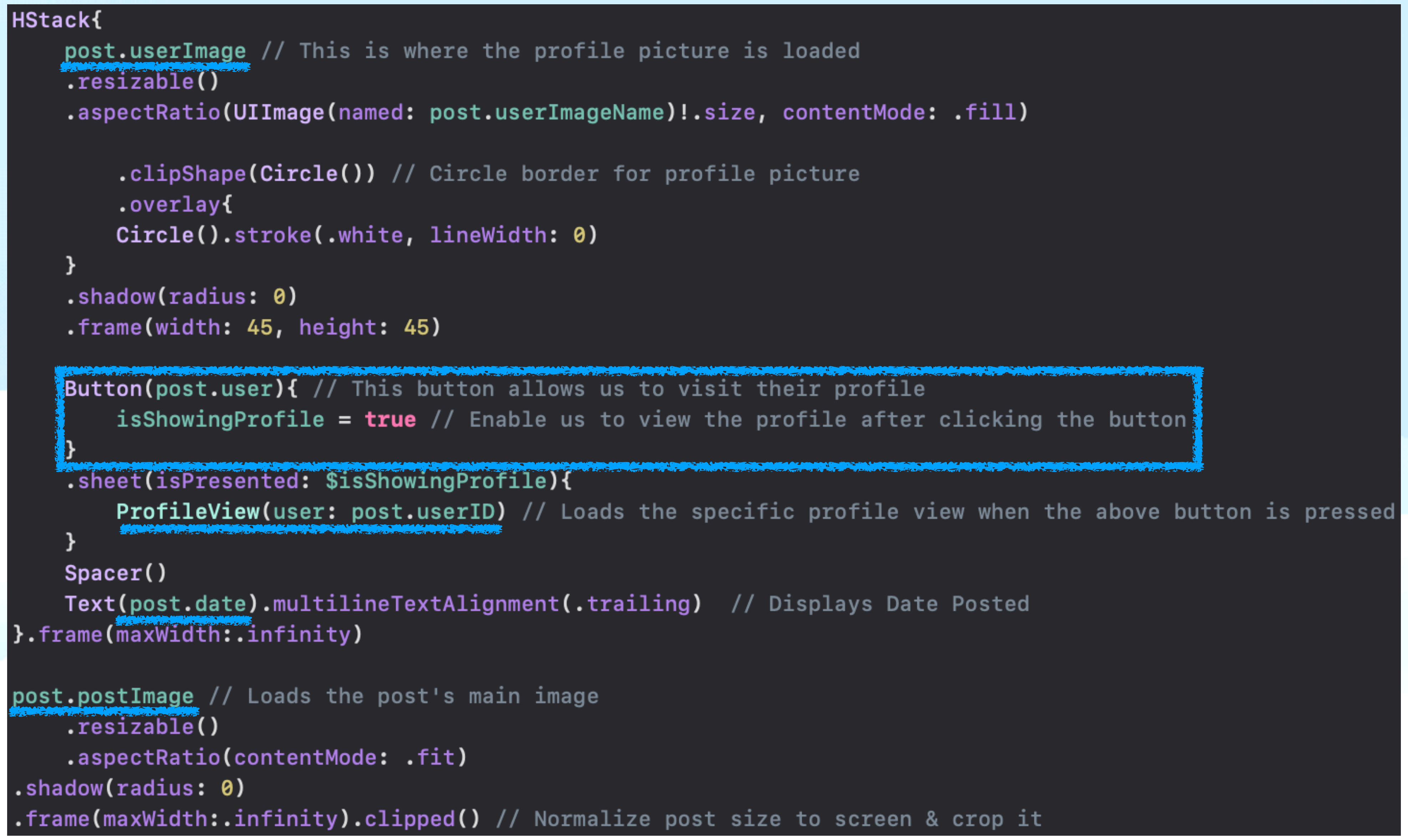
Post



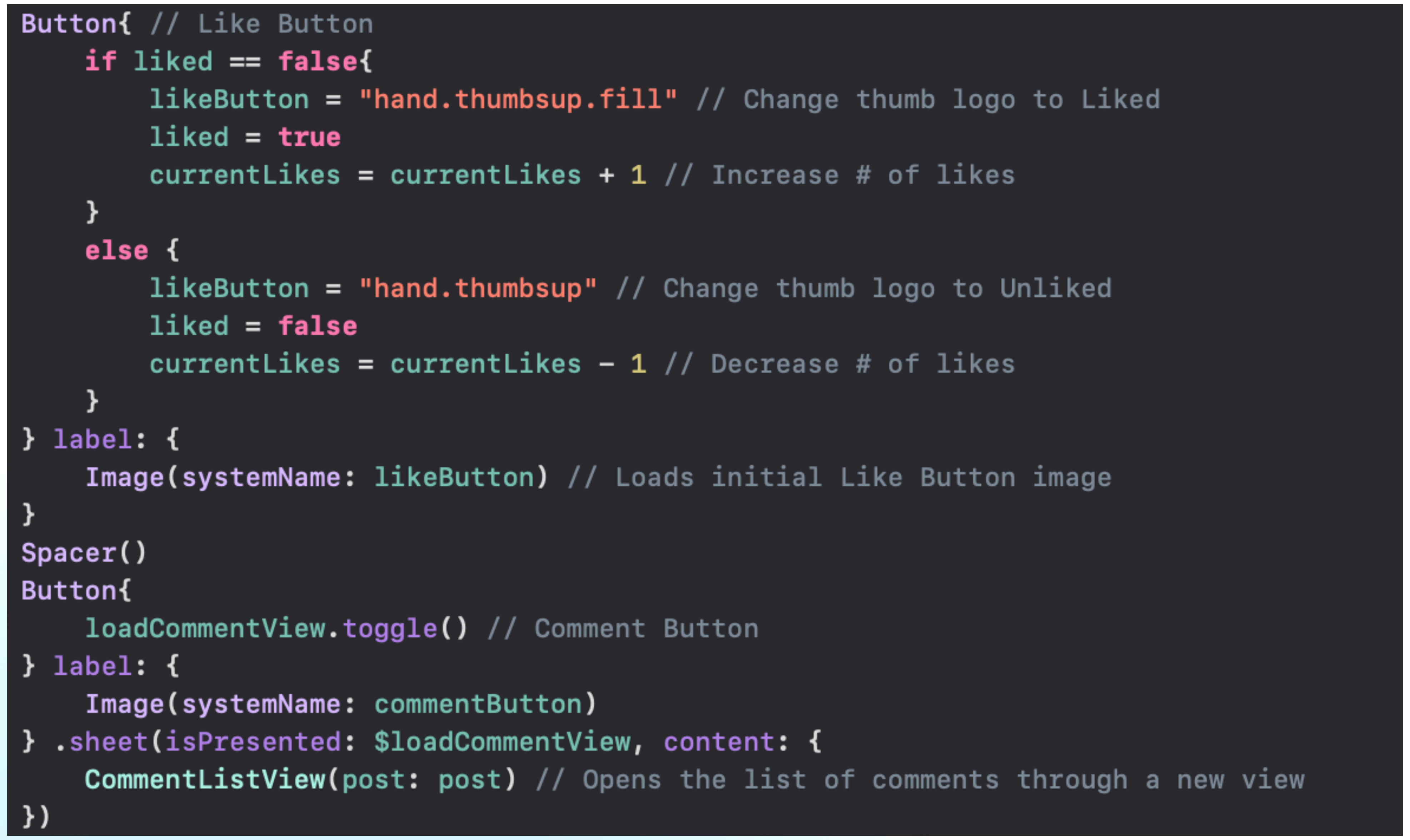
```
struct Post: Hashable, Codable, Identifiable {
    var id: Int
    var user: String
    var category: String
    var likes: Int
    var comments: [String: String]
    var stickerComments: [String: String]

    var userImageName: String
    var userImage: Image {
        Image(userImageName)
    }

    var date: String
    var description: String

    private var postImageName: String
    var postImage: Image {
        Image(postImageName)
    }

    var userID: User{
        return (users.filter { $0.user == user })[0]
    }


}
```

PostView

- Responsible for loading posts
- User image, profile, date posted, post image...
- Like button & comment button

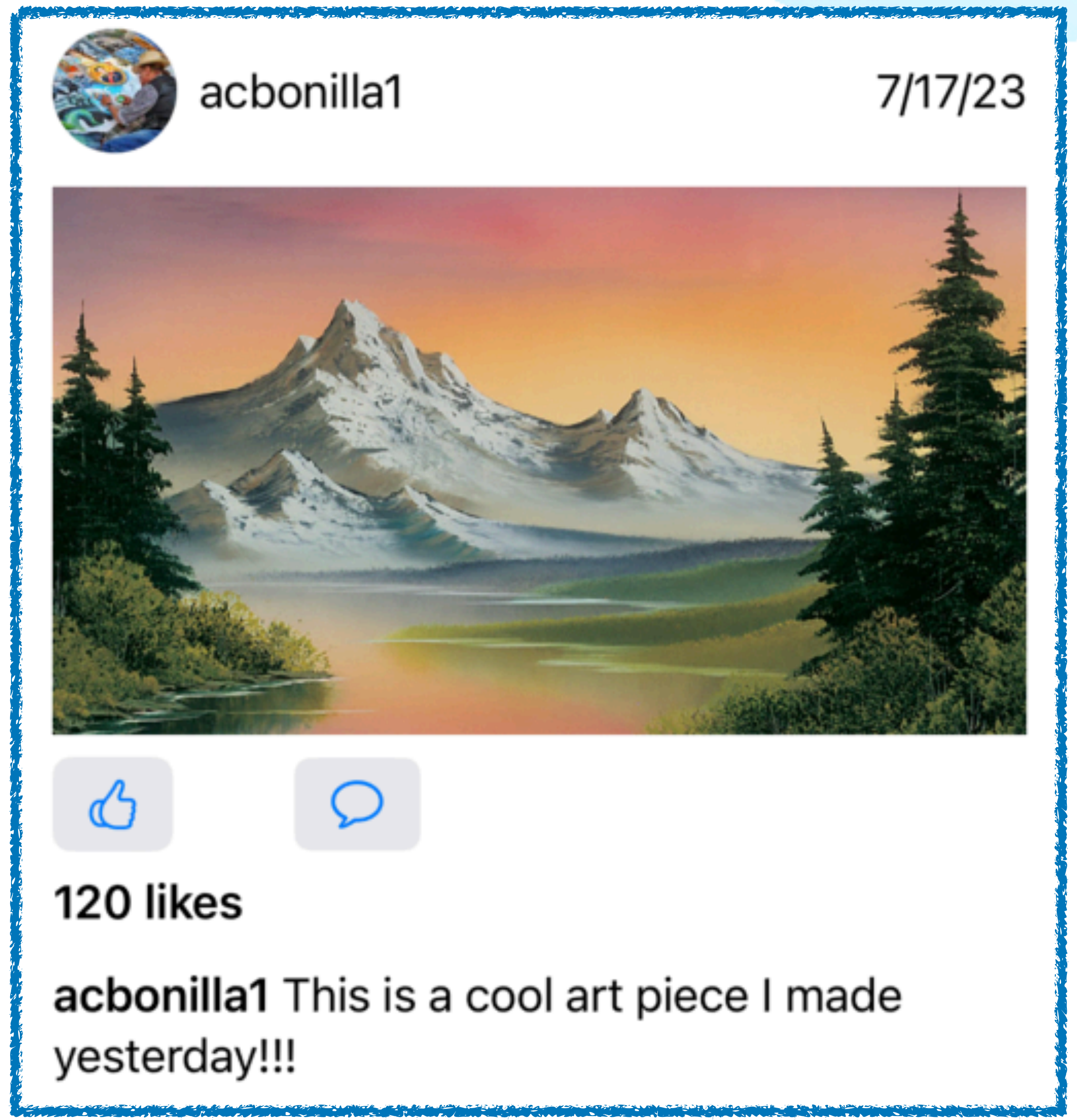


```
HStack{
    post.userImage // This is where the profile picture is loaded
    .resizable()
    .aspectRatio(UIImage(named: post.userImageName)!.size, contentMode: .fill)

        .clipShape(Circle()) // Circle border for profile picture
        .overlay{
        Circle().stroke(.white, lineWidth: 0)
    }
    .shadow(radius: 0)
    .frame(width: 45, height: 45)

    Button(post.user){ // This button allows us to visit their profile
        isShowingProfile = true // Enable us to view the profile after clicking the button
    }
    .sheet(isPresented: $isShowingProfile){
        ProfileView(user: post.userID) // Loads the specific profile view when the above button is pressed
    }
    Spacer()
    Text(post.date).multilineTextAlignment(.trailing)  // Displays Date Posted
}.frame(maxWidth:.infinity)

post.postImage // Loads the post's main image
    .resizable()
    .aspectRatio(contentMode: .fit)
.shadow(radius: 0)
.frame(maxWidth:.infinity).clipped() // Normalize post size to screen & crop it
```



```
Button{ // Like Button
    if liked == false{
        likeButton = "hand.thumbsup.fill" // Change thumb logo to Liked
        liked = true
        currentLikes = currentLikes + 1 // Increase # of likes
    }
    else {
        likeButton = "hand.thumbsup" // Change thumb logo to Unliked
        liked = false
        currentLikes = currentLikes - 1 // Decrease # of likes
    }
} label: {
    Image(systemName: likeButton) // Loads initial Like Button image
}
Spacer()
Button{
    loadCommentView.toggle() // Comment Button
} label: {
    Image(systemName: commentButton)
} .sheet(isPresented: $loadCommentView, content: {
    CommentListView(post: post) // Opens the list of comments through a new view
})
```

Posted 7/17/23

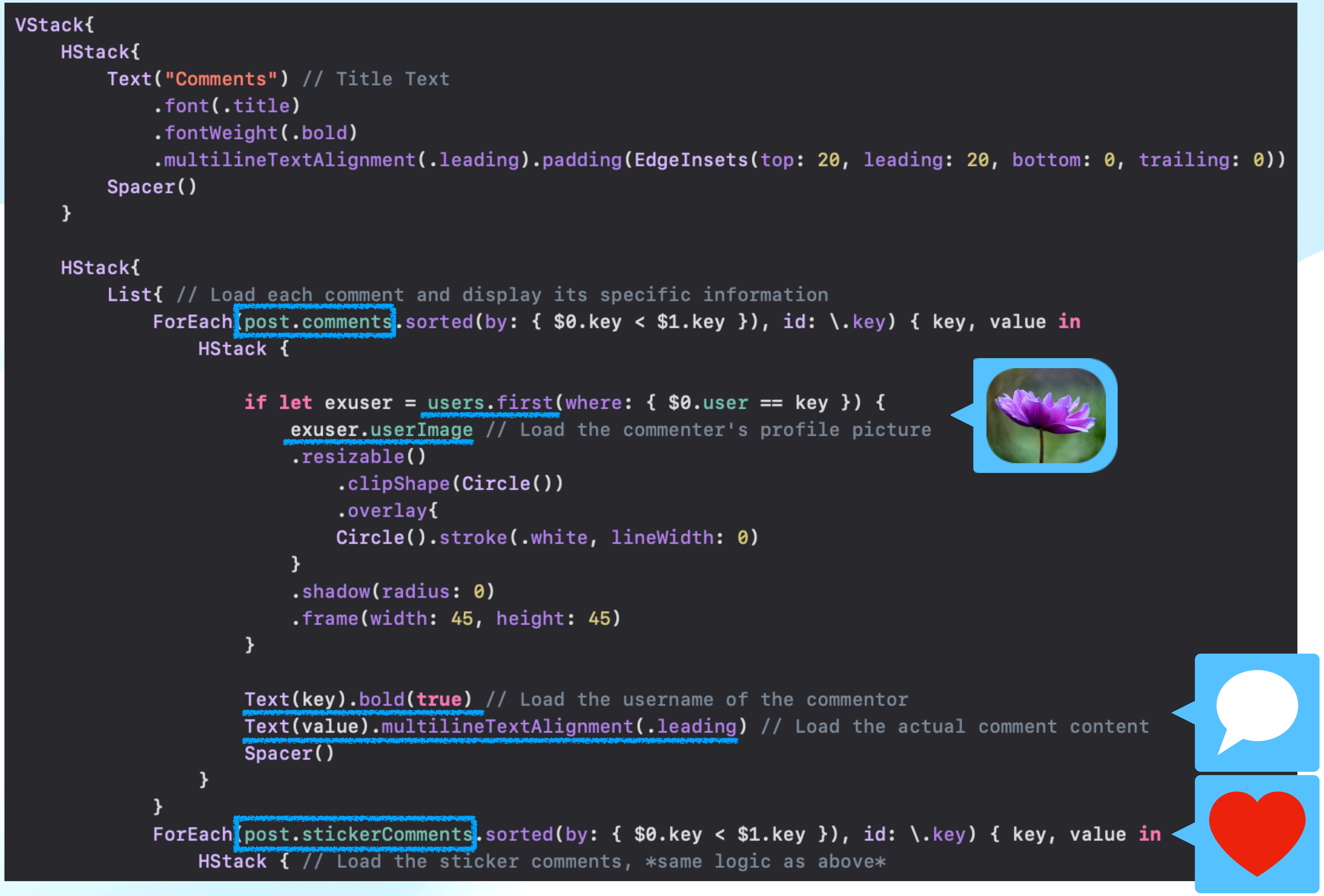


acbonilla1 7/17/23

120 likes

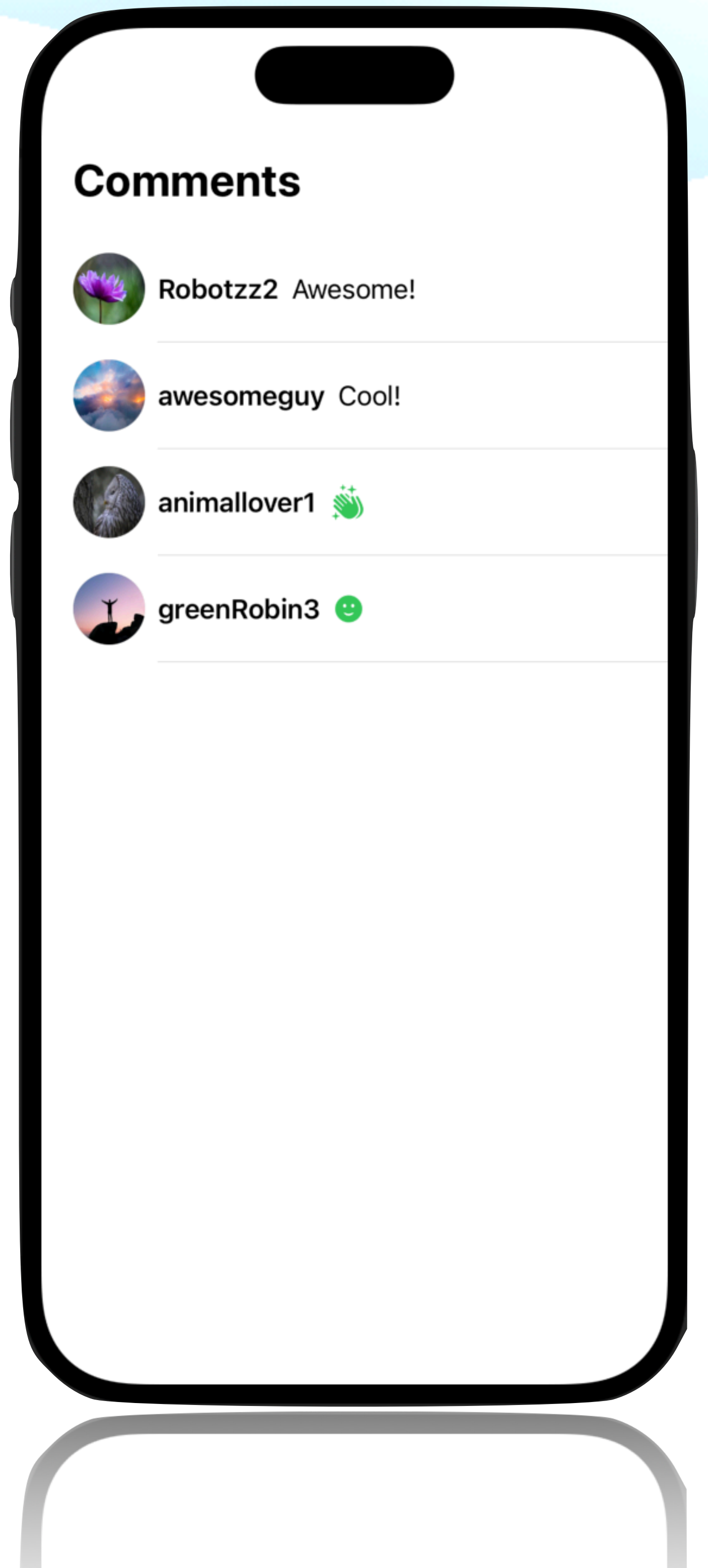
acbonilla1 This is a cool art piece I made yesterday!!!

CommentListView



```
VStack{
    HStack{
        Text("Comments") // Title Text
            .font(.title)
            .fontWeight(.bold)
            .multilineTextAlignment(.leading).padding(EdgeInsets(top: 20, leading: 20, bottom: 0, trailing: 0))
        Spacer()
    }

    HStack{
        List{ // Load each comment and display its specific information
            ForEach(post.comments.sorted(by: { $0.key < $1.key }), id: \.key) { key, value in
                HStack {

                    if let exuser = users.first(where: { $0.user == key }) {
                        exuser.userImage // Load the commenter's profile picture
                        .resizable()
                            .clipShape(Circle())
                            .overlay{
                            Circle().stroke(.white, lineWidth: 0)
                        }
                        .shadow(radius: 0)
                        .frame(width: 45, height: 45)
                    }

                    Text(key).bold(true) // Load the username of the commentor
                    Text(value).multilineTextAlignment(.leading) // Load the actual comment content
                    Spacer()
                }
            }
            ForEach(post.stickerComments.sorted(by: { $0.key < $1.key }), id: \.key) { key, value in
                HStack { // Load the sticker comments, *same logic as above*
```

- Responsible for loading comments
- User image, comment content...
- Stickers!



Comments

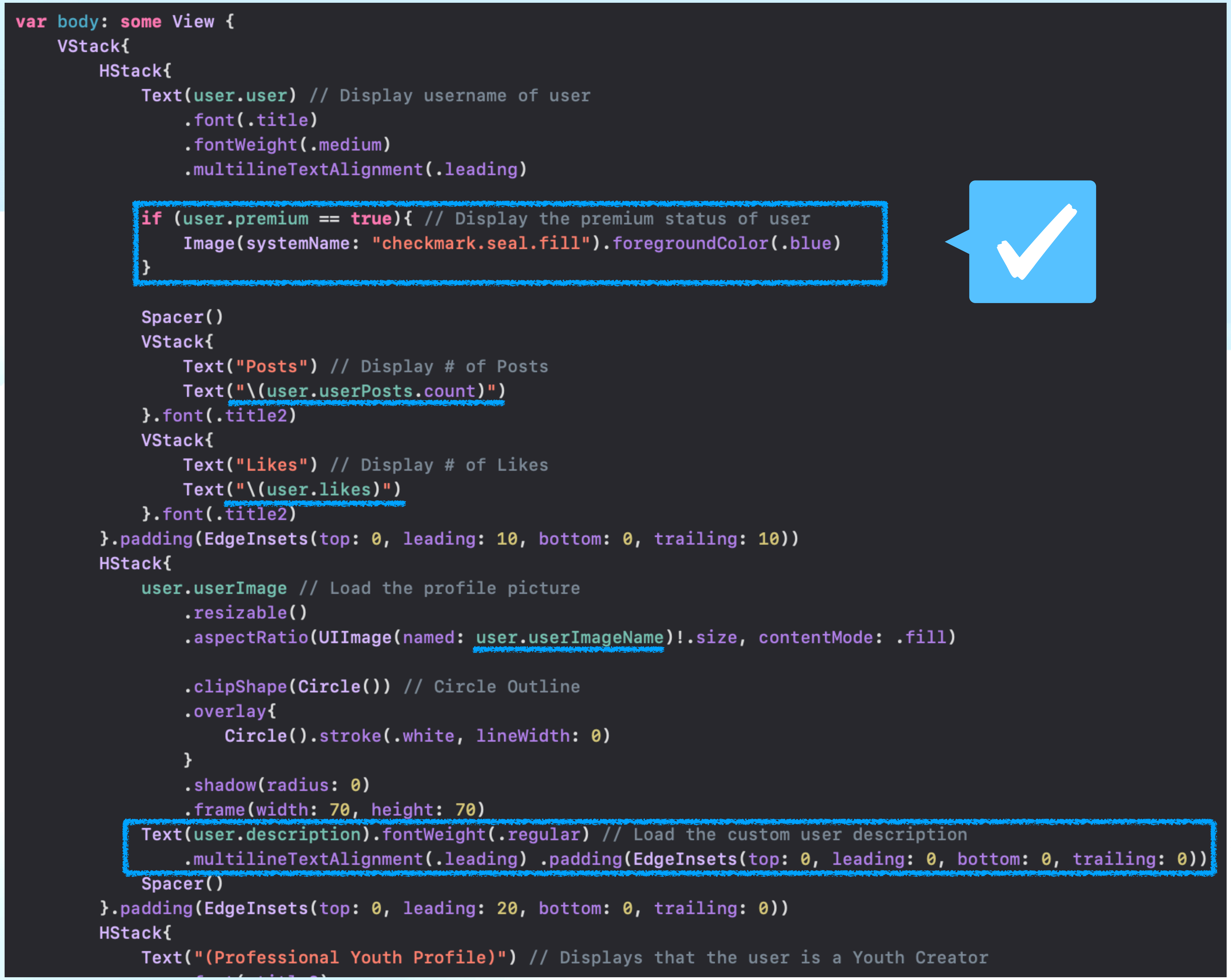
Robotzz2 Awesome!

awesomeguy Cool!

animallover1 👋

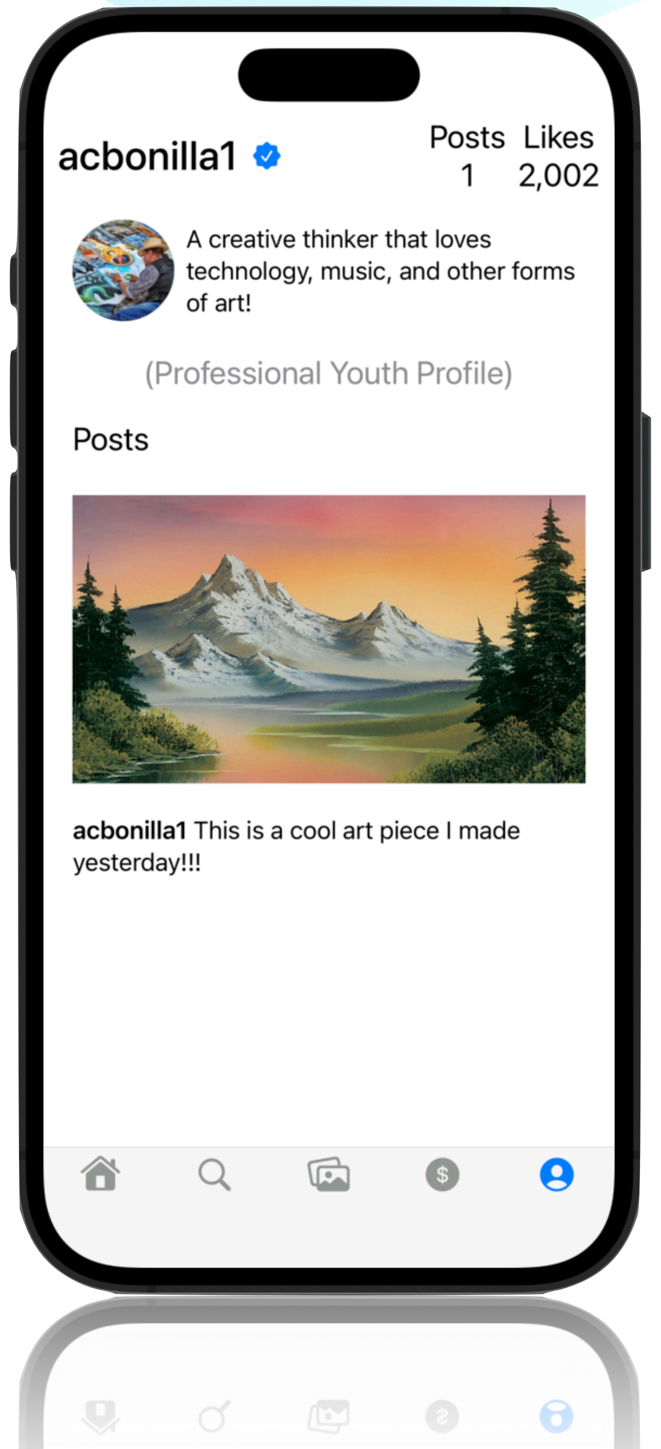
greenRobin3 ☺

ProfileView



```swift
var body: some View {
    VStack{
        HStack{
            Text(user.user) // Display username of user
                .font(.title)
                .fontWeight(.medium)
                .multilineTextAlignment(.leading)

            if (user.premium == true){ // Display the premium status of user
                Image(systemName: "checkmark.seal.fill").foregroundColor(.blue)
            }

            Spacer()
            VStack{
                Text("Posts") // Display # of Posts
                Text("\(user.userPosts.count)")
            }.font(.title2)
            VStack{
                Text("Likes") // Display # of Likes
                Text("\(user.likes)")
            }.font(.title2)
        }.padding(EdgeInsets(top: 0, leading: 10, bottom: 0, trailing: 10))
        HStack{
            user.userImage // Load the profile picture
                .resizable()
                .aspectRatio(UIImage(named: user.userImageName)!.size, contentMode: .fill)

                .clipShape(Circle()) // Circle Outline
                .overlay{
                    Circle().stroke(.white, lineWidth: 0)
                }
                .shadow(radius: 0)
                .frame(width: 70, height: 70)
            Text(user.description).fontWeight(.regular) // Load the custom user description
                .multilineTextAlignment(.leading) .padding(EdgeInsets(top: 0, leading: 0, bottom: 0, trailing: 0))
            Spacer()
        }.padding(EdgeInsets(top: 0, leading: 20, bottom: 0, trailing: 0))
        HStack{
            Text("(Professional Youth Profile)") // Displays that the user is a Youth Creator
```

- Responsible for loading user profiles
- User image, description, example posts...
- # of likes & posts
- Premium status



acbonilla1

Posts Likes
1 2,002

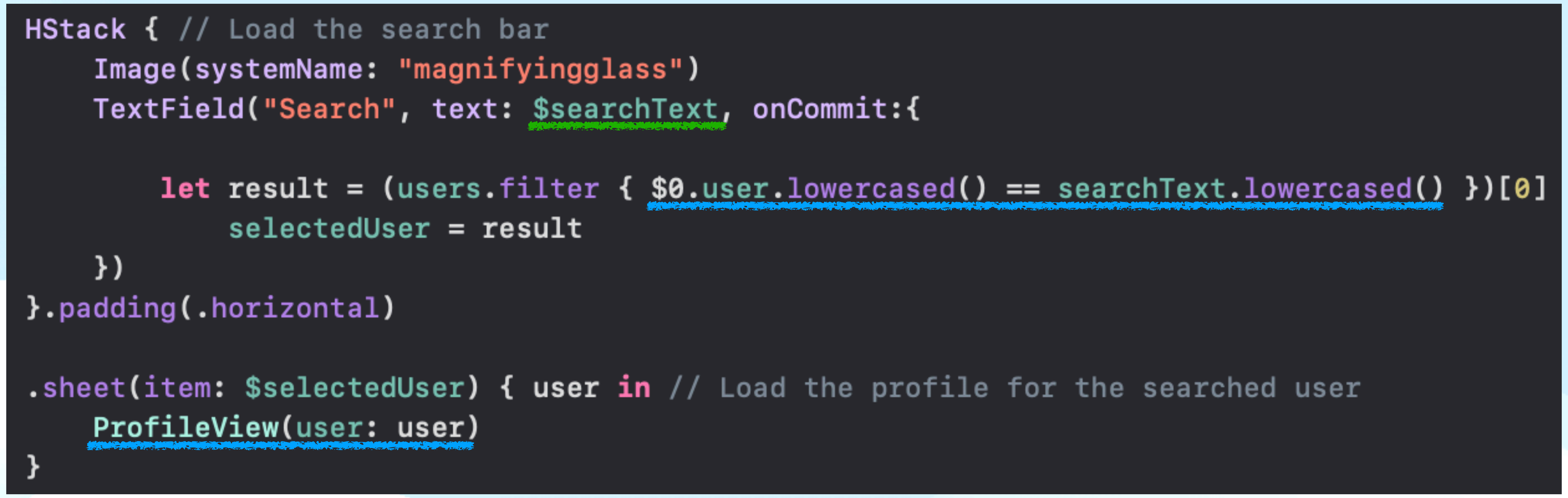
A creative thinker that loves technology, music, and other forms of art!

(Professional Youth Profile)

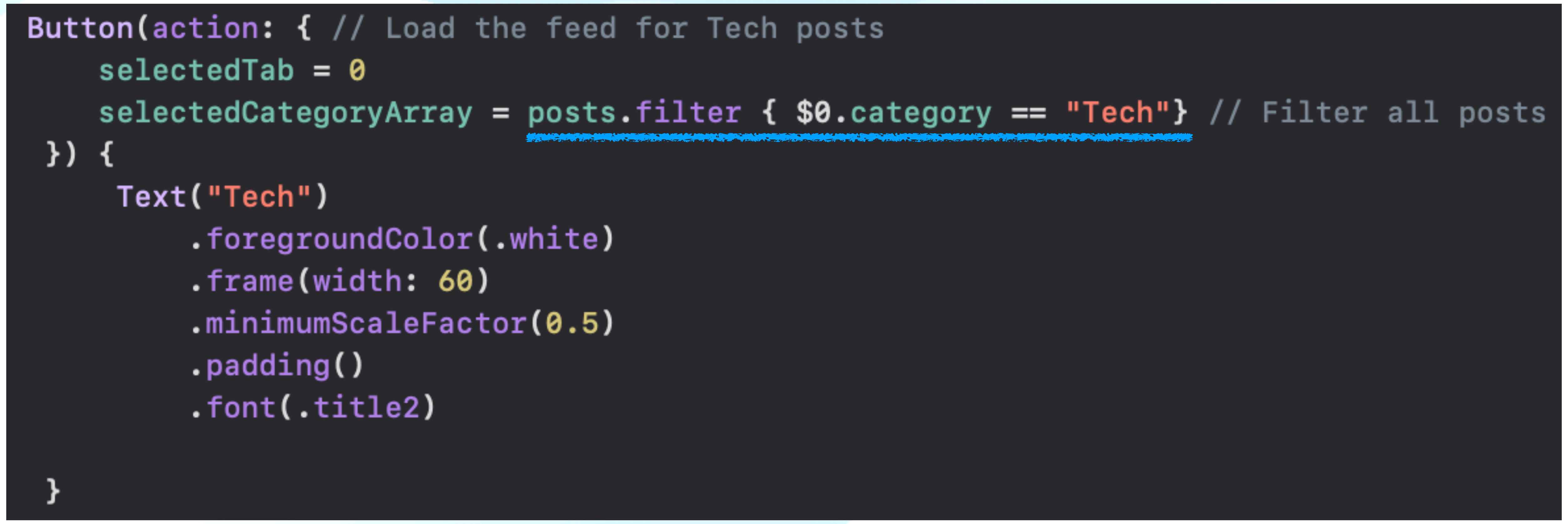
Posts

acbonilla1 This is a cool art piece I made yesterday!!!

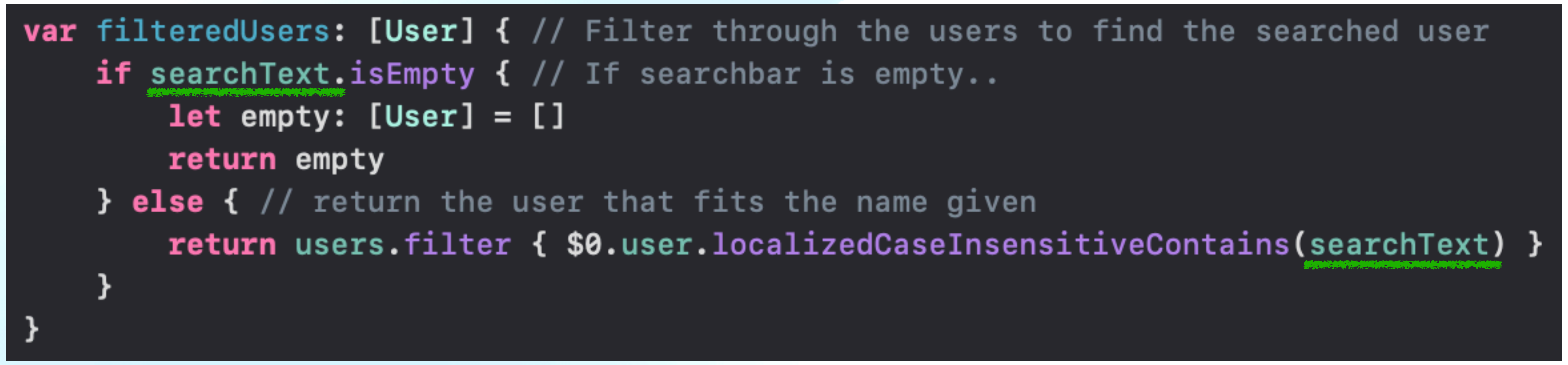
SearchView (major code)



```
HStack { // Load the search bar
    Image(systemName: "magnifyingglass")
    TextField("Search", text: $searchText, onCommit:{

        let result = (users.filter { $0.user.lowercased() == searchText.lowercased() })[0]
            selectedUser = result
    })
}.padding(.horizontal)

.sheet(item: $selectedUser) { user in // Load the profile for the searched user
    ProfileView(user: user)
}
```

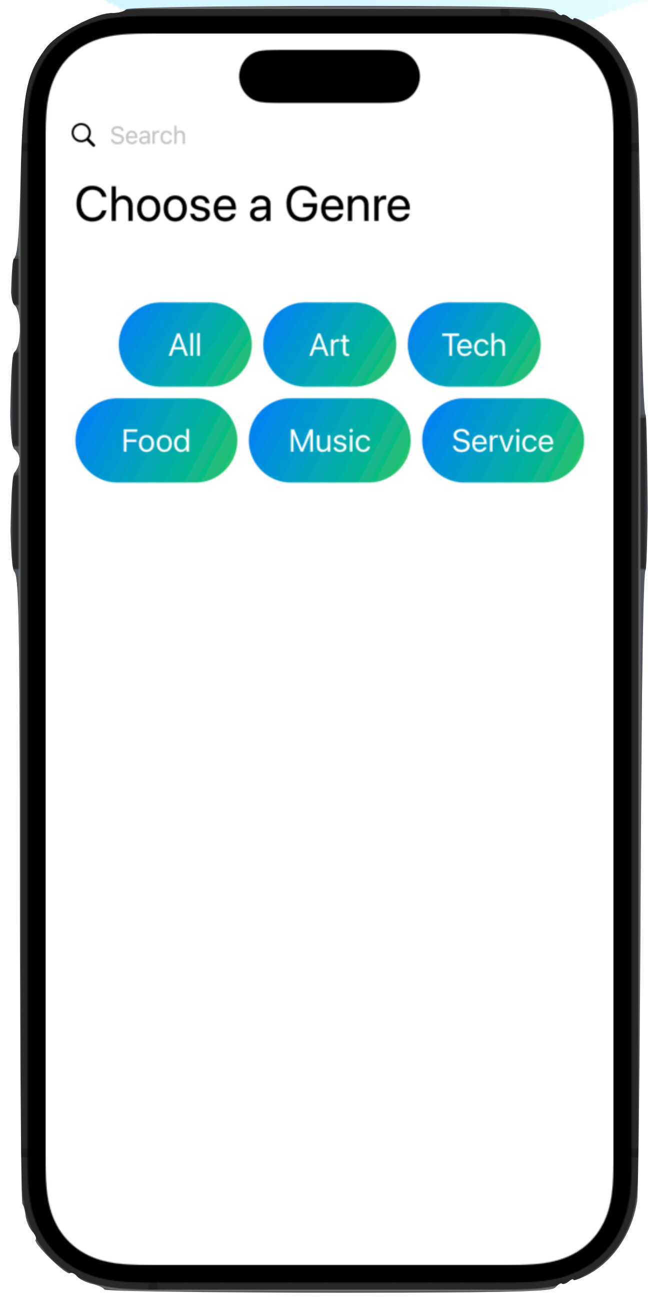


```
Button(action: { // Load the feed for Tech posts
    selectedTab = 0
    selectedCategoryArray = posts.filter { $0.category == "Tech"} // Filter all posts
 }) {
     Text("Tech")
         .foregroundColor(.white)
         .frame(width: 60)
         .minimumScaleFactor(0.5)
         .padding()
         .font(.title2)

 }
```



```
var filteredUsers: [User] { // Filter through the users to find the searched user
    if searchText.isEmpty { // If searchbar is empty..
        let empty: [User] = []
        return empty
    } else { // return the user that fits the name given
        return users.filter { $0.user.localizedCaseInsensitiveContains(searchText) }
    }
}
```

- Search for usernames
- Filter through different categories of posts
- Redirect to home page



Future designs

- Augmented Reality feature to view posts in a virtual reality
- Adding reels that way community events for students can be accessible
- Resume builder
- Animated stickers/emotes
- More benefits for Premium users

Thank
you!