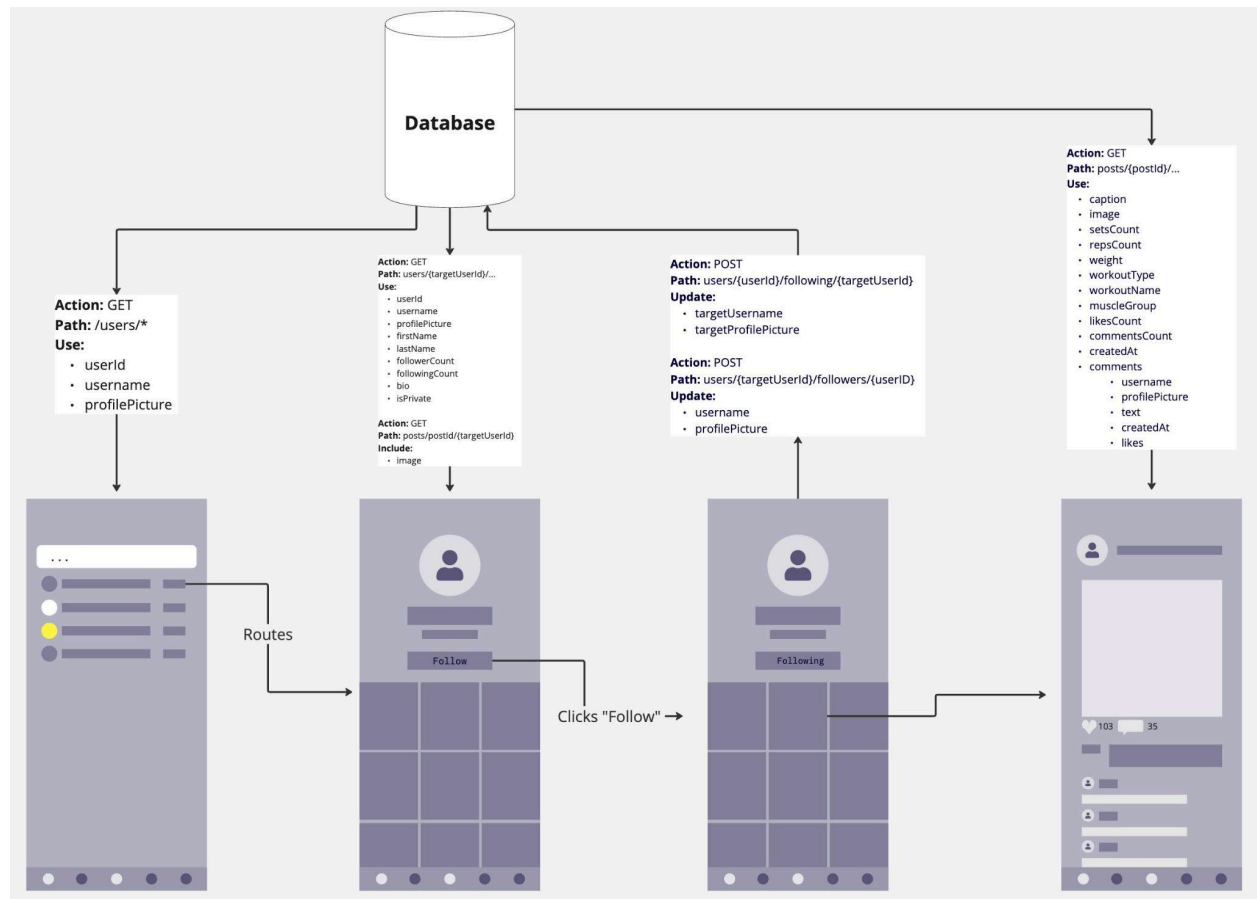
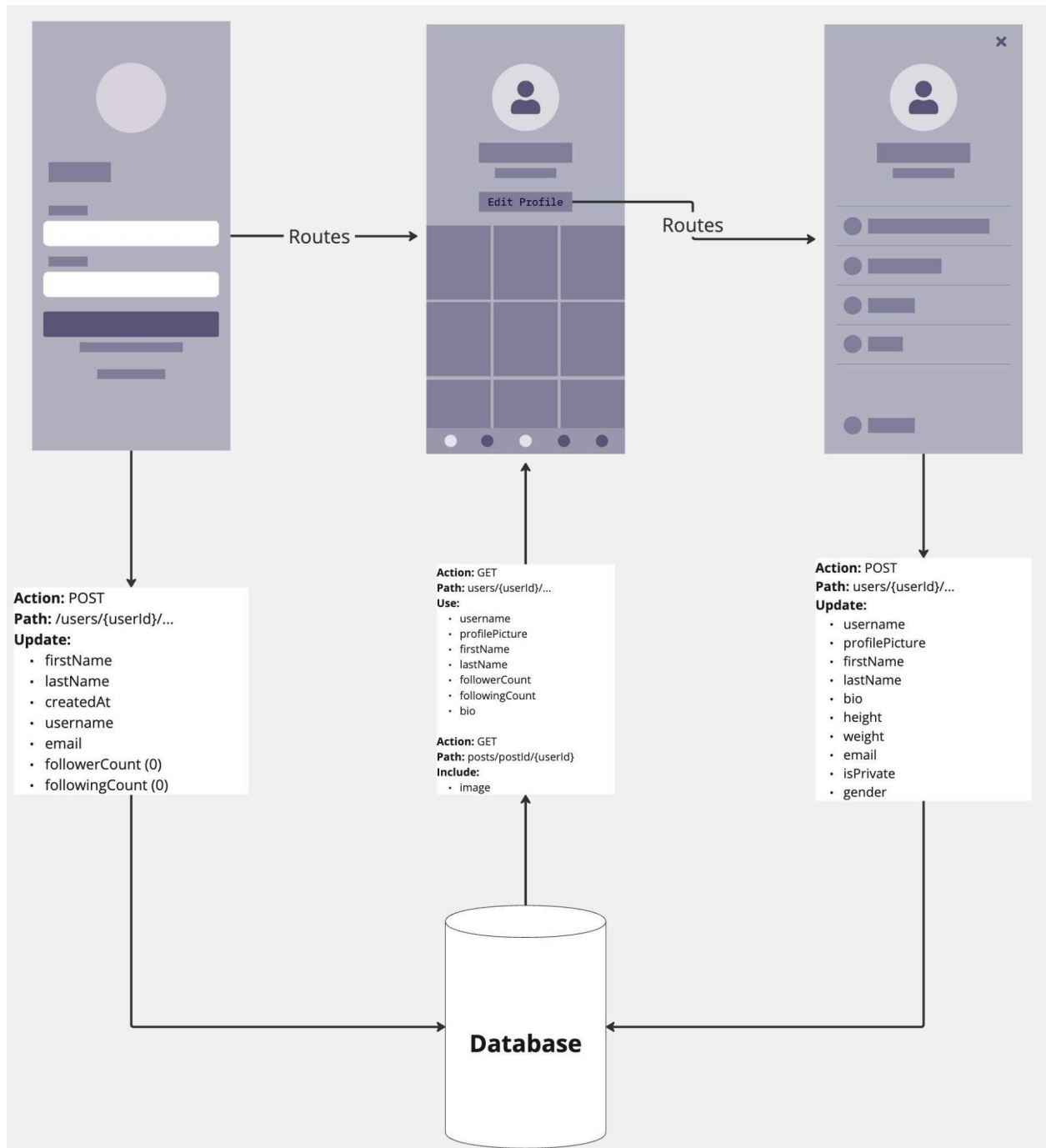


# Design Flow





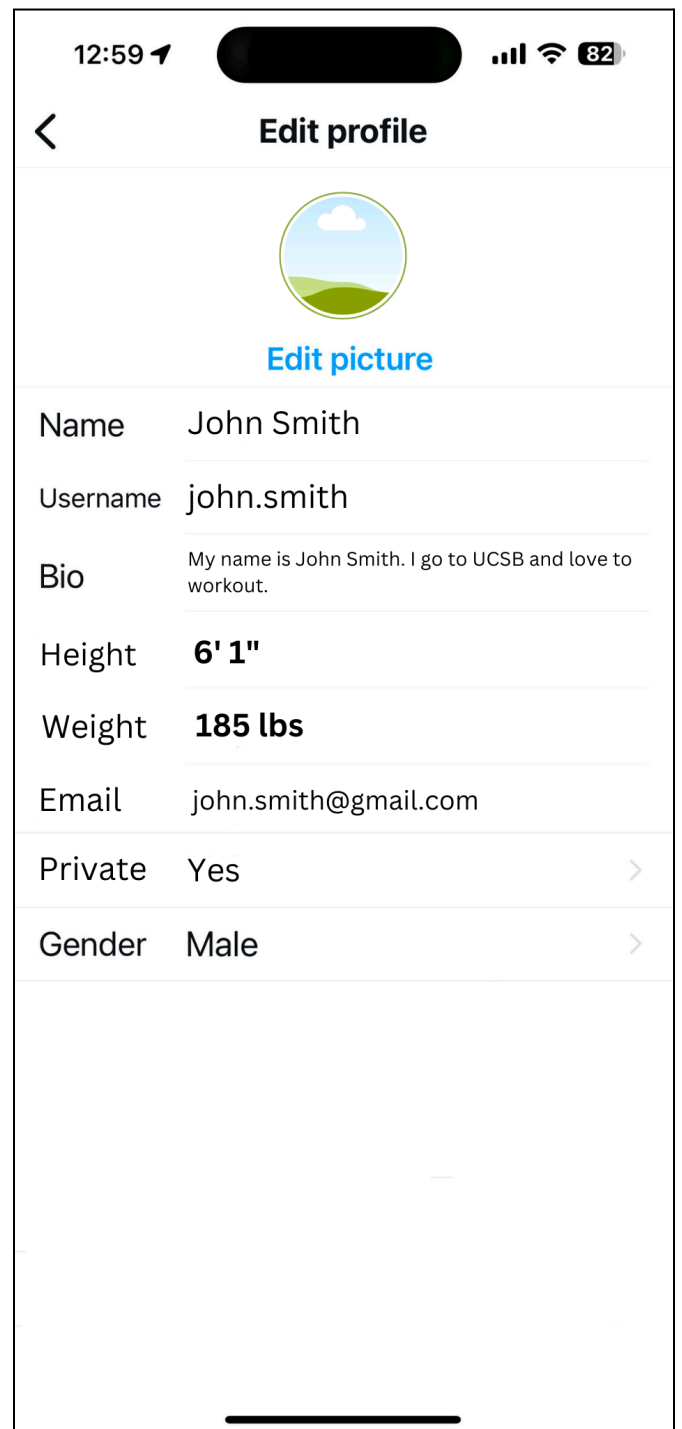
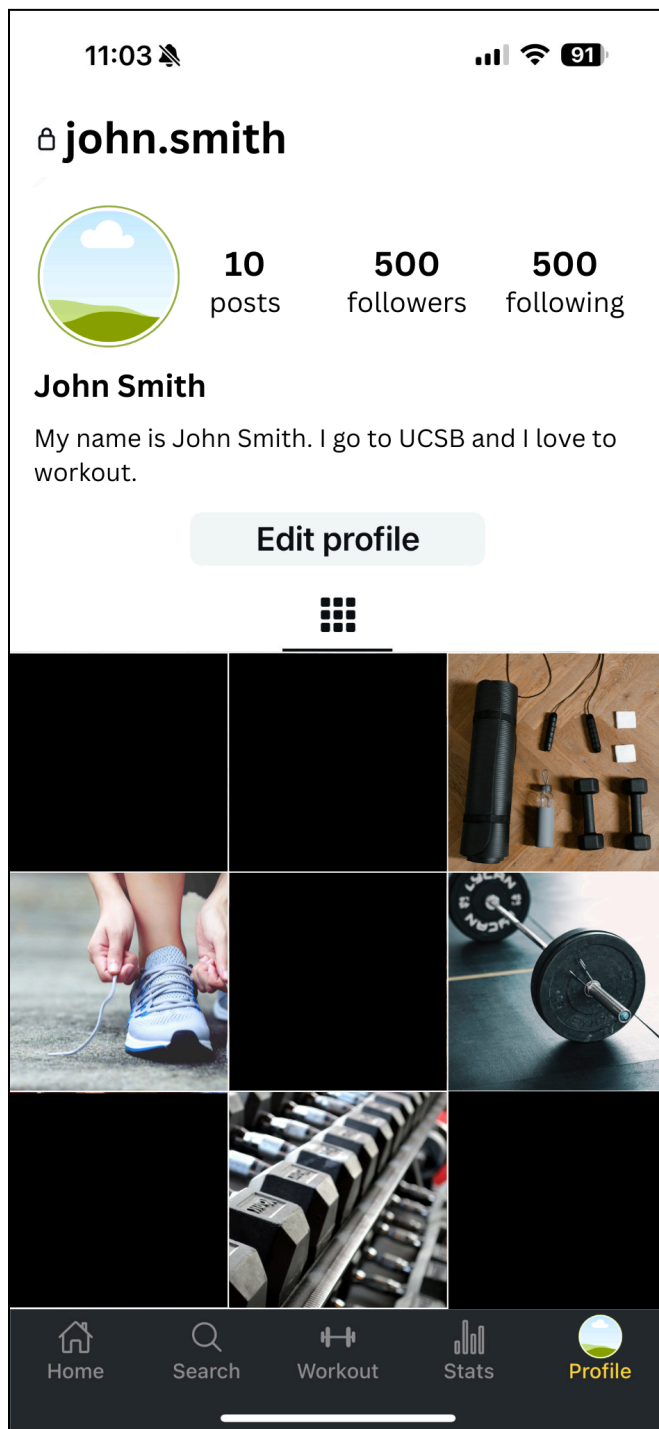
# File Structure

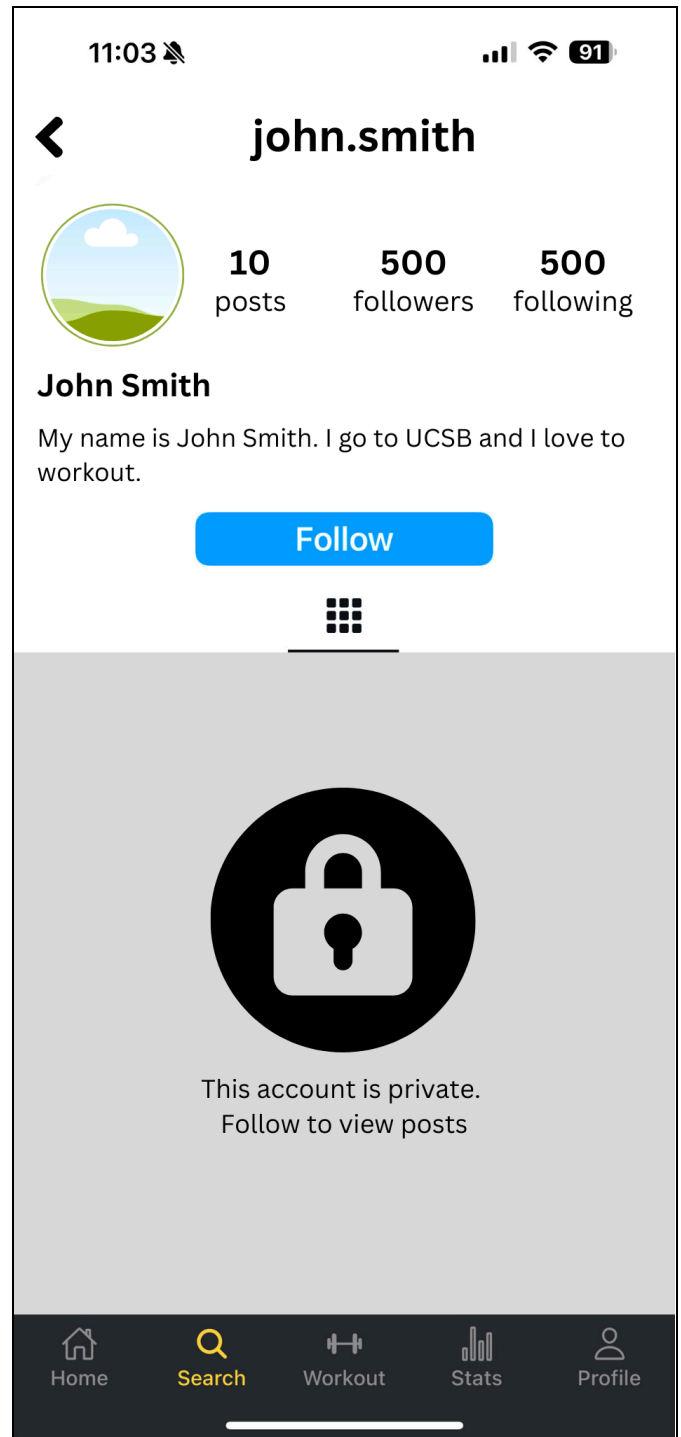
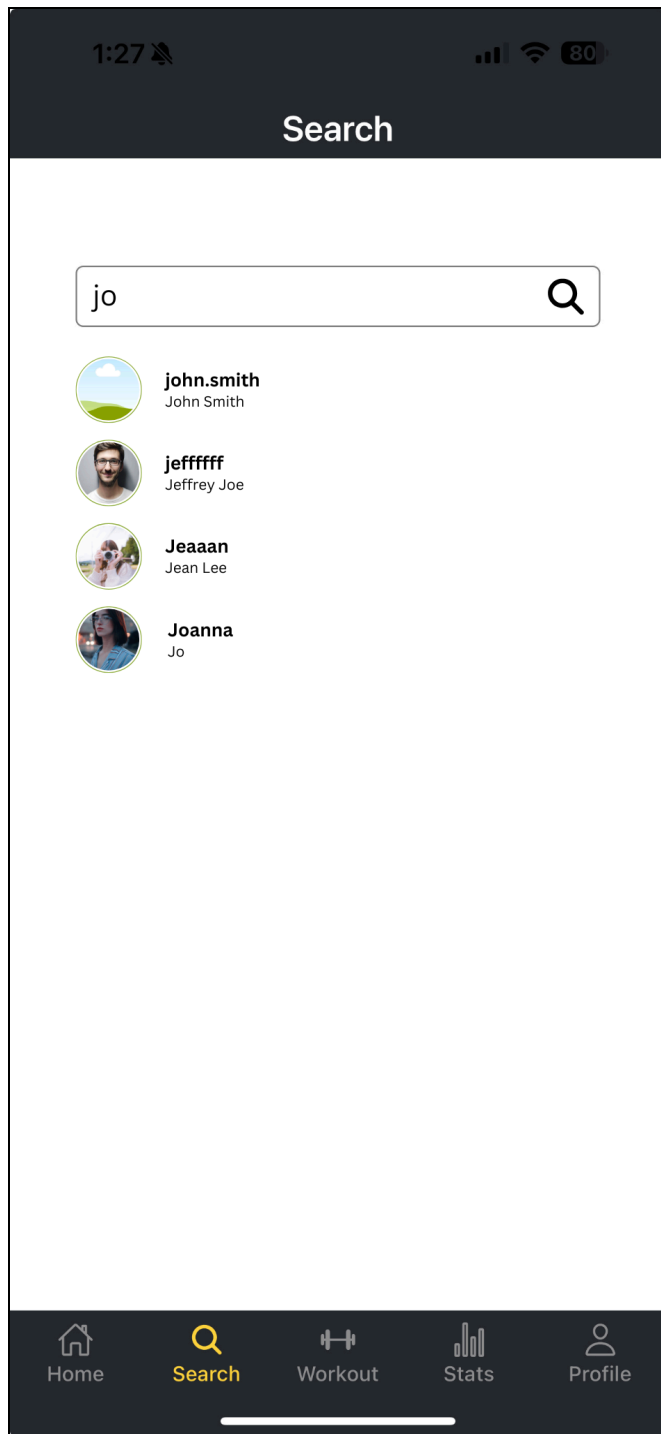
JavaScript

app/

— (auth)/	# Authentication pages
— SignIn.tsx	# User sign-in page
— Register.tsx	# User register page
— (app)/	# Main app pages
— (tabs)/	# Tabs <b>for</b> navigation
— Home.tsx	# Home page (e.g., feed)
— Search.tsx	# Search users/posts
— Workout.tsx	# Add <b>new</b> workout page
— Stats.tsx	# Stats and analytics page
— Profile.tsx	# User's profile page
— EditProfile.tsx	# Page to edit your own profile
— UserProfile.tsx	# Page to view another user's profile
— Post.tsx	# Page to view an individual post

# Design





## Database

### Notes

- Using NoSQL Firestore Database

- Want to be able to store images
- nodes: users, posts

## Structure

JavaScript

```
users (collection)
  - userId: uid (document)
    - firstName: string
    - lastName: string
    - username: string
    - email: string
    - profilePicture: string
    - followerCount: number
    - followingCount: number
    - height: number
    - weight: number
    - gender: string
    - bio: string
    - createdAt: timestamp
    - isPrivate: bool
    - following (collection)
      - userId: uid (document)
        - username: string
        - profilePicture: string
    - followers (collection)
      - userId: uid (document)
        - username: string
        - profilePicture: string
    - followingRequests (collection)
      - userId: uid (document)
        - username: string
        - profilePicture: string
    - followingRequests (collection)
      - userId: uid (document)
        - username: string
        - profilePicture: string
```

JavaScript

```
posts (collection)
  - postId (document)
    - userId: string
```

- caption: string
- image: string
- setsCount: number
- repsCount: number
- weight: number
- workoutType: string
- workoutName: string
- muscleGroup: string
- likesCount: number
- commentsCount: number
- createdAt: timestamp
- **comments** (collection)
  - **userId**: uid (document)
    - username: string
    - profilePicture: string
    - text: string
    - createdAt: timestamp
    - likes: number