

# MOBILE PROGRAMMING

## Tutorial 09

### Activity 01: Build a Simplified TikTok App

#### Objective:

In this exercise, students will develop a simplified version of the TikTok app, focusing on **navigation functionality** using **React Navigation**.

#### Requirements:

- Only implement the **Home screen** (image scrolling instead of videos) and **Profile screen** as shown in the provided design.
- **No need** to build other screens such as Inbox or Inbox Details.
- Use **provided** mockData below and the given image files in the `tut09-assets.zip` file.

#### Implementation Details:

- **Home Screen:** Displays a feed of images (instead of videos) that users can scroll through.
- **Profile Screen:** Shows user information, profile picture, number of posts, followers, etc.
- **Use React Navigation** to enable seamless screen transitions.
- **Utilize reusable components** to keep the code clean and efficient.
- **Ensure responsive UI** that adapts to different devices and screen orientations.

```
const mockData = [  
  {  
    id: "1",  
    user: "john_doe",  
    avatar: require("../assets/user.jpg"),  
    image: require("../assets/posts01.jpg"),  
    caption: "Amazing view! #nature",  
    likes: 120,  
    comments: 45,  
  },  
  {  
    id: "2",  
    user: "alice_wonder",  
    avatar: require("../assets/posts02.jpg"),  
    image: require("../assets/posts02.jpg"),  
    caption: "City vibes! ",  
    likes: 98,  
    comments: 30,  
  },  
  {  
    id: "3",  
    user: "mark_travel",  
    avatar: require("../assets/posts02.jpg"),  
    image: require("../assets/posts02.jpg"),  
    caption: "Lost in the mountains! ",  
    likes: 220,  
    comments: 75,  
  },  
];
```

