Screen Sketches

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Name: PollyPress

A mobile news articles app delivering local news

to Iowa State University's community. This app

supports three main roles: Reporter, Admin, and User.

Actors

Users:

- Can sign up using username, email, and password
- Can log in to view their profile and news using email, password, and role
- Can view news articles in scrolling layout (50% image, 50% text) where each news item displays the
- title, description, and at the bottom the reporter's name and publication date
- Can take part in community polls and discussions visible to all users

Reporter:

- Views profile, like users
- Uploads news by providing title, content, and image
- News must be approved by an Admin before publication
- Creates opinion polls by providing a poll title and multiple poll options
- Poll includes chat feature for public discussion
- Polls require admin approval

Admin:

- Views profile, like other two actors
- Reviews news items uploaded by reporters and can approve or disprove them
- Reviews and manages opinion polls submitted by reporters

Non-Functional Requirements:

The app must load news feeds and profile data in less than 2 seconds under normal load

The application must support at least 5 users.

Security:

All user information (login, signup, password reset) is protected

by HTTPS and JWT-based token security.

Tables And Fields:

User:

- ID (pk)
- Username
- Email
- Password
- Favorite Articles (many-many with Article)

Reporter:

- ID (pk)
- Username
- Email
- Password
- Articles (one-many with Article)

Admin:

- ID (pk)
- Username
- Email
- Password
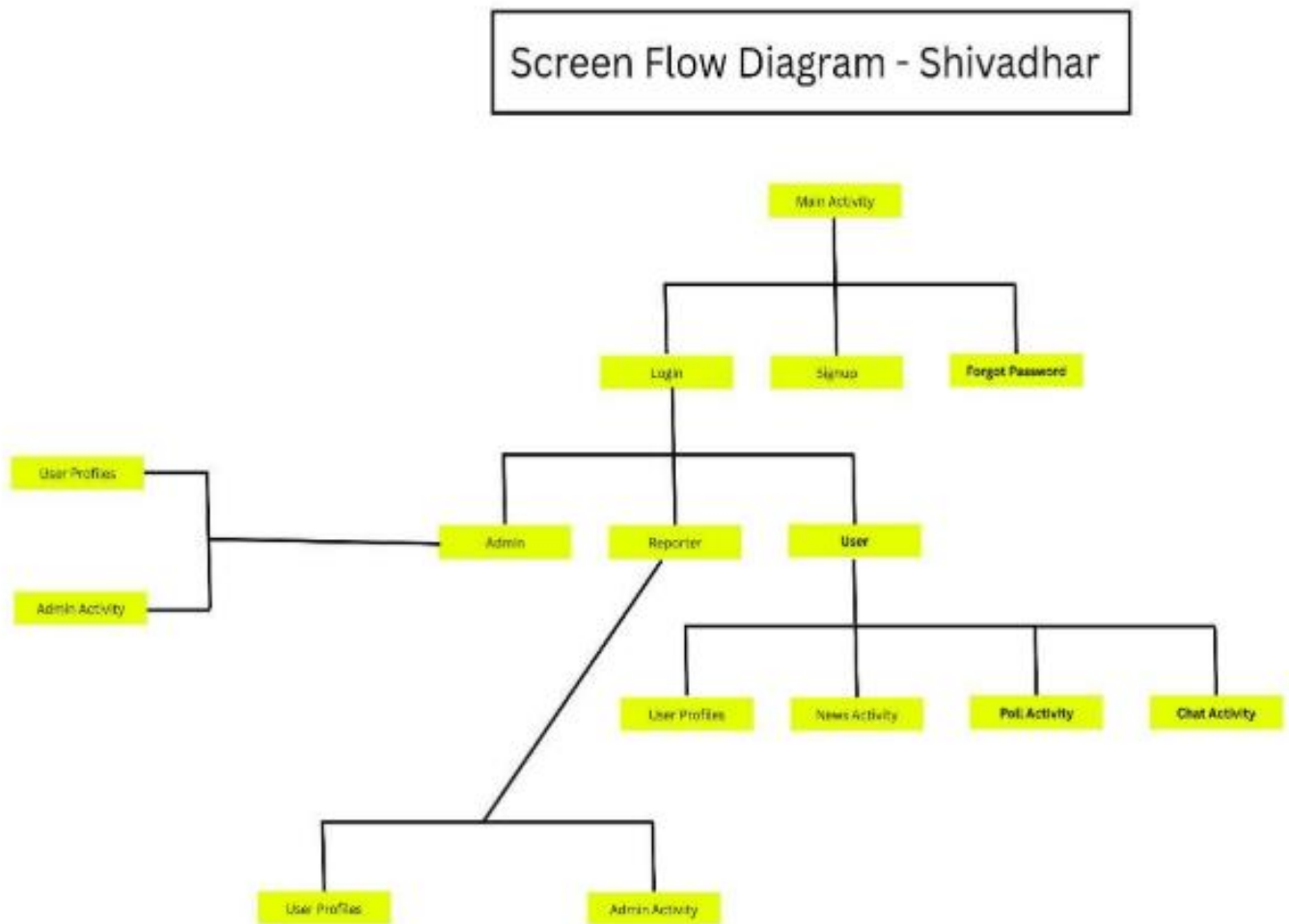- Approved Articles (one-many with article)

Article:

- ID (pk)
- Title
- Content
- Image
- Publication Date (date and time)
- Author
- Approved (boolean)
- Relationships:
- Many-one with Reporter
- Many-One with Admin (approval)

- Many-Many with News-User (favorites)

Password Reset Token

- ID (pk)
- token
- Expire Date
- News-User (one-one with News-User)

Screen Flow Diagram:

Screen Flow Diagram - Shivadhar

News Uploading Screen (Reporter)- Vikrant

PollyPress News Uploading

Title:

1. Title Input

2. Enter news

Conten

Upload Image:

3. Upload an image

Approve

4. Submit for approval

Purpose of Screen:
This screen allows reporters to compose and submit a news article. Reporters input the title, add a content body, and upload an image. Once submitted, the news item enters an approval queue managed by the Admin.
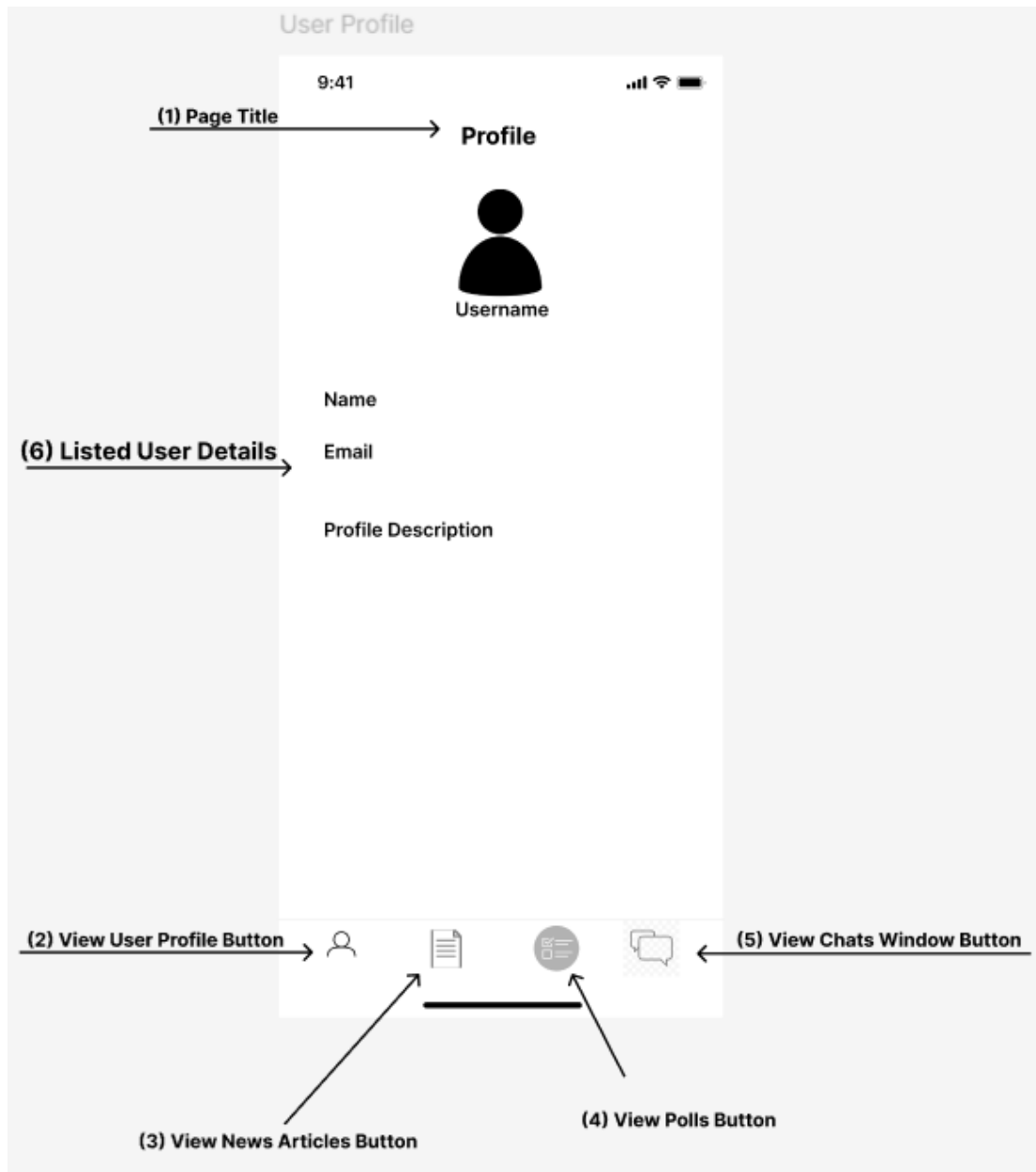
Description of Numbered Items:

Title Input Field: Field for entering the headline of the news article.

Content Text Area: Provides space for the full news content.

Image Upload Button: Allows the reporter to attach an image to complement the article.

Submit for Approval Button: Submits the news item; the article will not be published until approved by an Admin.
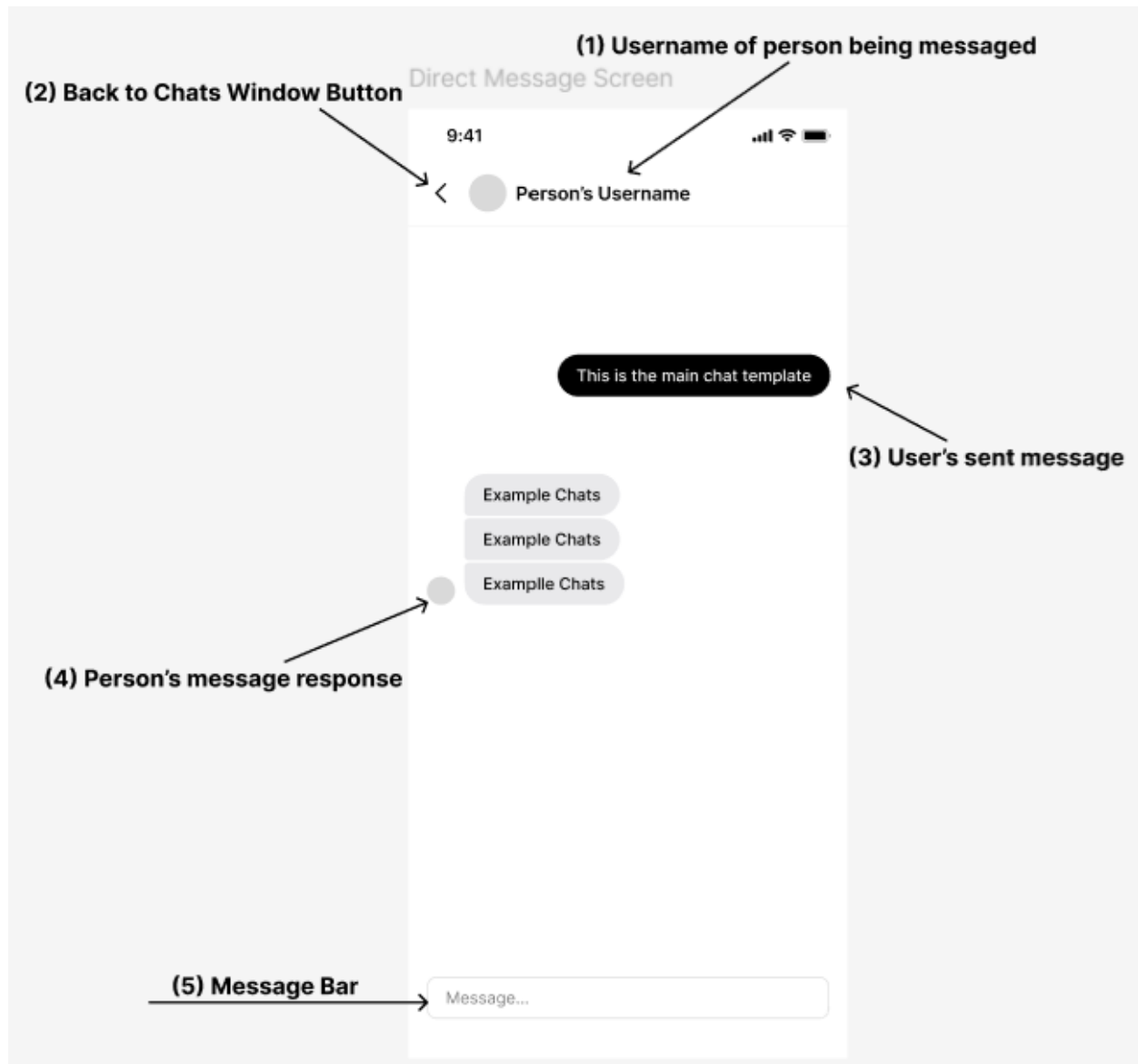
User Profile Screen (Carson Cooper)

This screen allows for the user to view their own personally made profile. Profile information like username, name, email, and their profile description pointed to by arrow (6)

(1) Lists the page title displaying "Profile". (2) Brings the user to the user profile screen, which is the current screen shown. (3) Brings the user to the news articles screen, allowing the viewer to see the news articles listed. (4) Brings the user to their chat window. This allows them to see the people that they have direct messages with.

Chats Window (Carson Cooper)

This screen lets the user see every person they have direct messages with, seen by the arrow (6). Clicking on one of these messages will open up the direct messages screen that the user has with that specific person. Page title is the same as before along with user profile, news article, polls, and chat window buttons.

(1) Username of person being messaged

(2) Back to Chats Window Button Direct Message Screen

9:41   .ıll 🗢 ▪

< ◯ Person's Username

This is the main chat template

(3) User's sent message

Example Chats

Example Chats

Examplle Chats

(4) Person's message response

(5) Message Bar → Message...

Direct Message Screen (Carson Cooper)

This screen allows the user to see all of the direct messages they have with the specific person they clicked on in the prior chat window screen.

(1) Lists the person's name. (2) is the back arrow to being the user back to the chat window. (3) Shows the messages from the current user and what we plan them to look like. (4) Shows the messages from the person the current user is chatting with and what we plan them to look like as well. (5) is where we plan to have the message bar. This is where the user will be able to send their messages from.
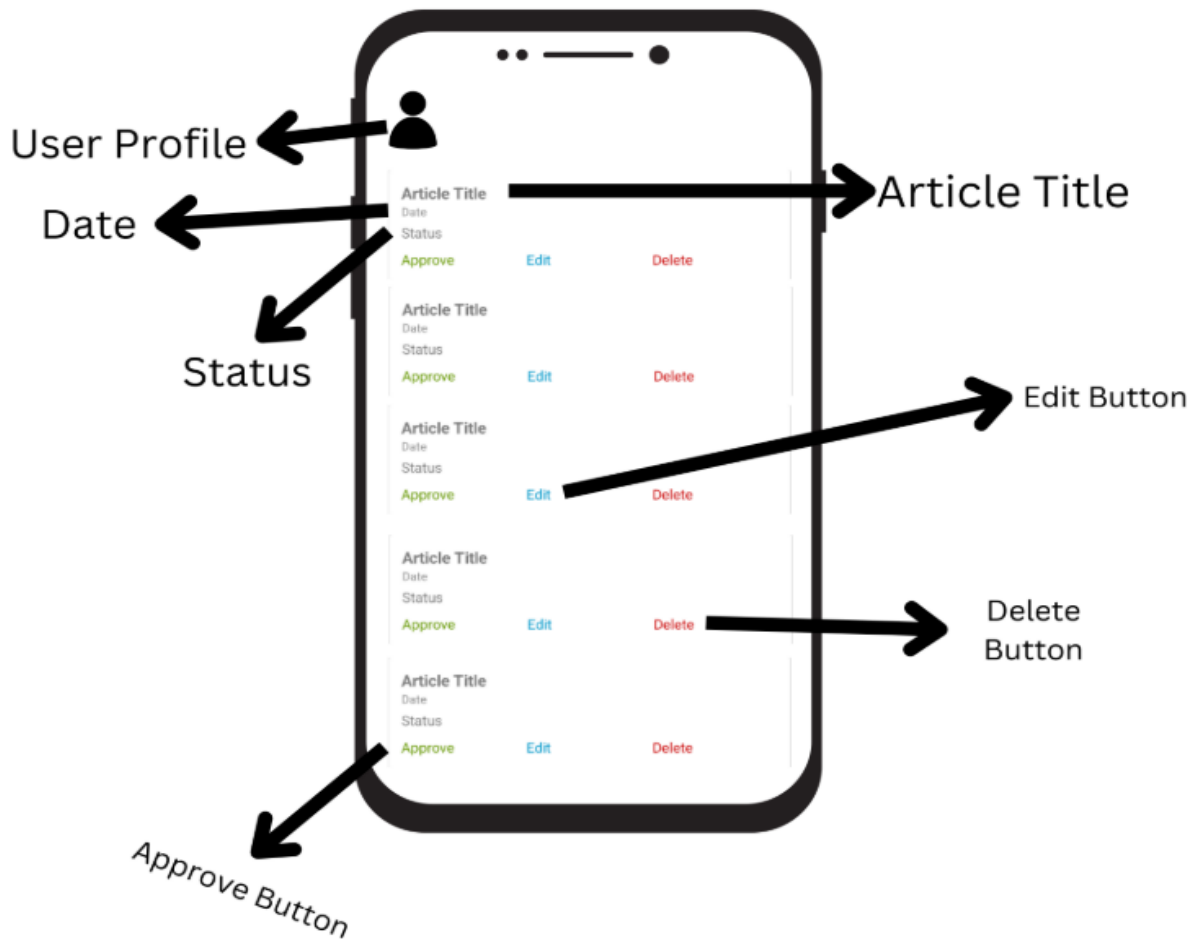
News Activity Screen (User) - Vikrant

News Activity Screen

This screen lets the user view news articles by swiping through different posts. There will be images for the article if given, along with the author's information at the top of the post, the news content being the majority, and the publication date and time at the bottom. The user is able to switch to either the user profile, poll screen, and the chat window from the taskbar at the bottom of the screen.

Admin Screen (Admin) - Shivadhar

Admin Panel designed for Managing Articles

It allows an administrator to:

 View Key Details: Each article listing displays essential information such as the article's title, publication date, and current status.
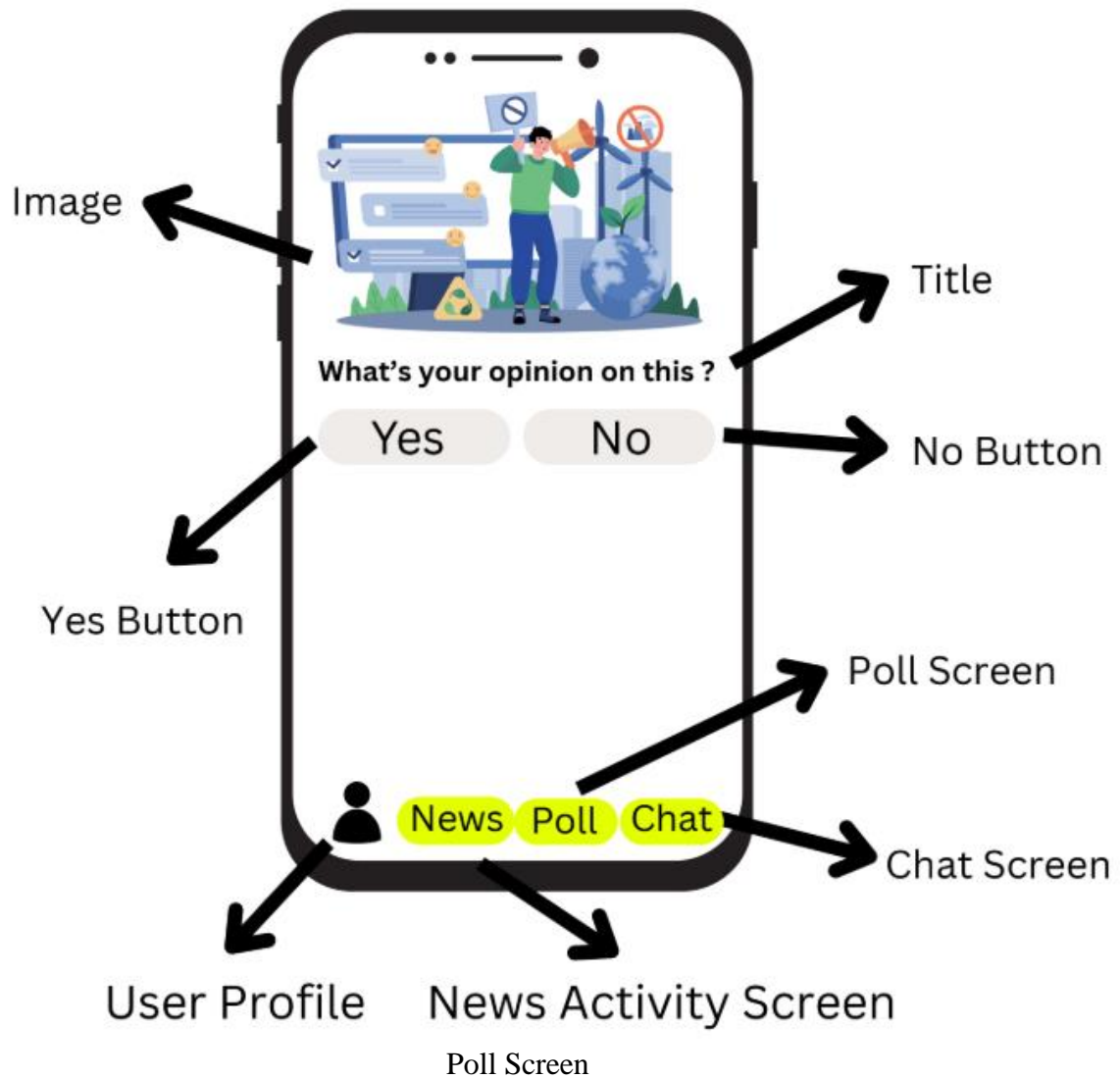
 Approve or Reject Content: The "Approve" button indicates that the administrator can quickly update an article's status to make it live or visible to the public.

Edit Existing Articles: The "Edit" button allows the administrator to modify the article's content or metadata (such as title, status, or date).

 Delete Articles: The "Delete" button is used to remove any unwanted or outdated articles from the system.

 Access Profile and Settings: The user profile icon suggests that the admin can manage their account details or other high-level settings.

Poll Screen (User) - Shivadhar

Poll Screen

Allows users to quickly respond to a question or statement by selecting "Yes" or "No." It presents a concise visual prompt like image along with the poll question, making it clear and engaging. Key functions include:

Poll Participation: Users can tap "Yes" or "No" to submit their opinion on the question posed.

Visual Context: The accompanying image or graphic helps provide context or spark user interest in the poll topic.

Navigation: Buttons at the bottom (e.g., "News," "Poll," and user profile) enable users to switch between different sections of the app and manage their account.