

# Posts App Documentation

## Introduction

- This project includes two pages for displaying favourite posts and all posts, along with various reusable components and a context for managing posts data.

## Features

- Well-designed layout
- Loading and error indicator pages for smooth user experience
- Two main pages: Home Posts and Favourite Posts
- Navigation bar for easy page navigation
- View and interact with a list of posts
- Mark posts as favourites
- Favourites stored in local storageHeart icon indicating whether a post is added to favourites

## The project includes the following pages:

- All Posts Page: This page displays a list of all posts. It shows all the posts available in the application.
- Favourite Posts Page: This page displays a list of favourite posts. It filters the posts and displays favourite posts. If there are no favourite posts, a message is displayed indicating the absence of posts.

## The project includes the following Components:

- PostHeader: This component represents the header section of a post. It includes the user's profile image, name, and username. It also includes an ellipsis icon for additional options.
- PostImg: This component displays the main image and content of a post. It includes the post description, title, and an icon for toggling the favourite state of the post.
- PostFooter: This component displays the footer section of a post. It shows the number of likes, post captions, tags, and the number of comments.
- ListOfPosts: This component displays a list of posts. It takes a postsList prop, which is an array of PostDetails objects. It also includes a loading state and handles the case when there are no posts available.
- CircularImage: This component renders a circular image using the next/image component. It takes a userPP prop, which specifies the URL of the user's profile picture.

- **NavBar:** This component represents a navigation bar with two links: Home and Liked. It changes the color of the icons based on the active page. The appearance of the navigation bar changes based on the width of the screen.
- **Loading:** This component renders a loading indicator, displaying a loading message and a spinner animation.
- **Context:** The project includes a context for managing post data:
- **PostsContextProvider:** This context provider component manages the state of post data. It initializes the posts list from local storage or sets it to the default list if no data is found. The context provides a function `toggleIsFavPost` for toggling the favourite state of a post.

## Technologies used

- **Next.js:** Next.js is a framework for building server-side rendered React applications. It is used as the main framework for this project.
- **React:** React is a library for building user interfaces. It is used in the project for creating reusable components and managing the application's UI.
- **TypeScript:** TypeScript is a typed superset of JavaScript that compiles to plain JavaScript. It is used in this project to add static typing and improve the overall code quality.
- **React Icons:** React Icons is a library that provides a collection of popular icons as React components. It is used in the project to display icons for various UI elements.
- **React Context API:** React Context API is a feature of React that allows data to be passed through the component tree without explicitly passing props. It is used in the project to manage post data using a context provider.
- **Local Storage:** Local Storage is a web browser API that allows data to be stored locally on the user's device. It is used in the project to persist the posts data across page reloads.

## How to Use the project

To use this project, follow the steps below:

Clone the project repository to your local machine. Install the required dependencies by running the following command in the project directory:

```
``` npm install ```
```

Start the development server by running the following command:

```
``` npm run dev ```
```

Open your browser and access the project at <http://localhost:3000>.

# Here's a demo

For Mobile design:

[https://drive.google.com/file/d/1tF1eYkRYMMTXzB11-PCudJBdSItBLdcJ/view?usp=drive\\_link](https://drive.google.com/file/d/1tF1eYkRYMMTXzB11-PCudJBdSItBLdcJ/view?usp=drive_link)

For Desktop design:

[https://drive.google.com/file/d/1BN7P1\\_nQTlIxRLpr4HdMvHRHQUmoW2f-/view?usp=drive\\_link](https://drive.google.com/file/d/1BN7P1_nQTlIxRLpr4HdMvHRHQUmoW2f-/view?usp=drive_link)