

Problem Statement

Objective:

The goal of this assignment is to assess your proficiency in Flutter by evaluating your ability to effectively implement state management using **Provider**, handle API requests with **HTTP** and **Firebase** for backend.

Points to ensure:

1. All flows in the app must contain proper animation.
2. Error handling must be present in the app whenever an API or Firebase backend fails.
3. Any assumptions made should be explicitly called out.
4. You are to use a provider for detecting whether the device is in dark mode or light mode and accordingly switch using provider and should be instantaneous upon change.
5. You will use Firebase Storage for image storage and other storage if applicable.
6. You will use endpoint given to receive data for the feed and use it to show on the UI.
7. You will use the given endpoint for showing likes and comments count and upon pressing like, like count will increment (Only UI side).
8. Image links are not given in the endpoint you will have to store random images in Firebase Cloud Storage and use them accordingly.
9. Upon clicking profile button on the navbar Profile Page must be shown.
10. Upon clicking on a post on profile, you must show the Post Page (Only applicable to the first post)

Endpoints you will use for fetching data:

Feed Page: [Feed Page API](#)

Post Page: [Post Page API](#)

Profile Page: [Profile Page API](#)

Screenshots for reference:



19:55

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Posts

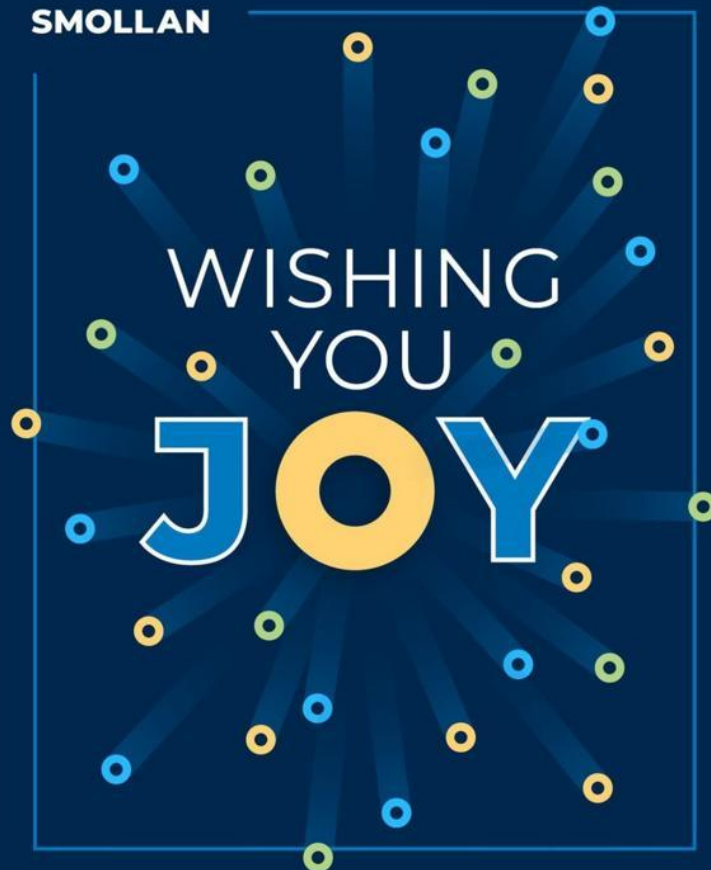
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smollan1931 From all of us at Smollan, thank you for being apart of our journey this year... more

20 December 2024



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