About the App:

The app lets the user save their memories in their day to day life. The main motto of this application is to give the experience of old time dairies or memory journals. The app attempts to make it as minimal as possible.

Specifications:

S.No	Feature	Functionality	MVP or Non-MVP
1	Login & Register	User must be able to login to the app through google account or create a new account using mobile number. All the memories will be private to this account only. Whenever the user logs into the app, the data has to be synchronised from this personal account.	MVP
2	Memory Books	Just like how one has multiple books for different memories, the app lets the user create as many books as they want. Each book can contain different content as created by the user.	Non-MVP
3	Create Memory Book	In real life each book has a limited number of pages. When buying a book, the user gets to choose how many pages they would like to have in their book. Similarly, the app lets the user set the number of pages while creating a book. Later, they cannot be modified.	Non-MVP
4	Memory Pages	A book has pages. Each page has limited space to put the content. The app tries to simulate similar conditions as well. A page should not be scrollable like a general scrollable text view but be limited. The conditions based on which the page will be limited are yet to be determined.	MVP
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Notable Points:

1. The app main purpose is to let the users organise and keep their memories in one place.
2. Like in real life, they can have more than one memory book each for a different purpose.
3. The interface should be as minimal and simple as possible so that user does not need to put in much effort and time to store memories. No need for complex animations and graphics. Only simple animations such as **flip, slide, fade** to keep it appealing.
4. Minimum viable version of the app will have books and cards. Each book contains cards as desired by the user. Each card holds one moment of the user's memory. Each memory card contains 4 important components:
   - Photo(s)
   - Small description about the moment (this is constrained to 200 char limit)
   - Location of the moment

- Names of people involved in the moment

5. Each memory card can contain more than one photo, but common description for the entire moment. This is similar to that of an Instagram post.
6. Each memory card anatomy is as follows:
   1. Front side of the card holds only the photos displayed using a pager view or similar component.
   2. In order to see through multiple photos, user can swipe left and right just like in Instagram.
   3. Back side of the card holds the description of the moment and this occupies around 80% of the card.
   4. The remaining 20% of the card holds the information about the location of the memory, if any. Else this will be left empty.
   5. User can flip the card by swiping up or down, or by simply tapping the card.
   6. When user long presses the card anywhere, the list of people involved in the moment are shown in a floating dialog box.
7. In order to view next or previous card, the user can use provided navigation arrows on the right and left most ends of the screen.
8. Perhaps, the entire content can be displayed using a recycler view of memory cards where each item occupies the entire screen unlike the traditional list items where multiple items are displayed on one screen. In order to achieve this, we could use custom layout for each card where the width and height are set to match the parent's (recycler view) width and height.
9. When the user wants to view all the memories in the book at once, like in gallery, we could use another recycler view with grid layout manager and display all the cards in one screen. Then the user can choose any card and see more details on it in full screen.
10. In the future versions of the app, users can share their memory books with their friends and close ones. Once a book has been shared, it appears in the other person's app when they login. However, the remaining books of the user still stay private to the user. This feature enables users to share only what they want and keep some books private for themselves (we all have secrets)!
11. As another advanced feature, an entire book can be exported as a PDF and shared via external apps such as google drive, email or WhatsApp. Still need to figure out a way to export a card that has multiple photos in it.