IMAD Assignment 1

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Today, I'll introduce the app I've developed, designed to generate personalized historical information based on the user's input age. The app functions within a specified range of ages: from 20 to 100, considered valid, while ages from 1 to 19, and 101 to 999999 are deemed invalid. In case an invalid age is entered, the app prompts the user to input a valid age.

During the development process, GitHub played a crucial role in providing support and solutions to the challenges I encountered. Whenever I faced difficulties in debugging or optimizing my code, GitHub served as a valuable resource where I could seek assistance from the community. The platform greatly contributed to the success of this project, aiding in troubleshooting and refining the codebase.

The user interface of the app was designed to be clean, simple, and user-friendly, catering to a wide range of ages and ensuring accessibility. Its minimalist approach aims to provide a seamless experience for individuals interested in exploring historical events associated with their age.

For the visual elements of the app, I opted for a nostalgic aesthetic, incorporating elements such as old wood and paper textures to evoke a sense of history and tradition. The color palette predominantly features black, white, and light blue tones, contributing to the overall theme and enhancing the app's appeal to users interested in historical content. The colors that was used in this project was Black #FF000000, White #FFFFFFFF, Brown Wood #A1662F, and Dark Blue #34495E

When designing the buttons for the app, I aimed for a balance between visibility and size. I opted for a Dark Blue color scheme to ensure the buttons are easily discernible. Implementing a corner radius of 15 “sp” lends a softer, more aesthetic appearance, avoiding a blocky look. Renaming the buttons' IDs facilitated smoother integration into the coding process. Both buttons are equipped with Constraint Widget to maintain their position across various screen sizes, ensuring consistency in layout. The "Generate History" button is associated with Text view 3, which remains hidden until a number is inputted. Upon pressing the button with a number in the prompt, it searches for the specified number and displays the corresponding message in the text view.

I also developed a “clear” button. This button when pressed upon the number in the text view where you enter a number will be removed and if there is a message in text view 3 that will also be removed. I also used Constraint Widget to fit it in place, so it doesn’t move around depending on the size of the screen. I hard coded both these buttons to also fit my preferences and in my opinion is a lot easier to code than the drag and drop system.

When coding these two buttons I used ChatGPT and GitHub to help. They are great sources of information to help you in coding.

I used strings to make the coding look better and make it a lot easier to code, I designed the app and ran it on a pixel 7 pro emulator to see the outcomes of the app.

text fonts I used a font that was used in the 1700s which give off that old view and historical look of the app.