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Discussion 5.1 Material Design

WEB 425 Angular with TypeScript

Material Design is a design language that was created by Google to be able to provide continuity across all the web and mobile products. It is open source and streamlines the collaboration between designers and developers. Material Design provides uniformity across Google products. Material Design is mobile focused which encompasses the important shift of Google’s approach to their design (Forrest et al., 2022). Material Design was originally known as Quantum Paper.

Material Design uses shadows and lighting to create its depth and edges since it is based on real-world materials. The three core principles at work are: material is the metaphor; bold, graphic, intentional; and motion provides meaning (Forrest et al., 2022). Its design foundation is rooted in flat design, but Material Design was more of a hybrid with the addition of drop shadows and gradients so that it could convey physical space (Forrest et al., 2022). Material Design utilizes a 3D environment with each object having a usage on an X, Y, and Z axis (Forrest et al., 2022). This type of design language uses bold colors and both the Roboto and Noto typefaces.

Material Design has many different components, libraries, and color variations. Some libraries that are supported by Material include Jetpack Compose and Android as well as support being developed for Flutter and Web (Material design). Material Design is an adaptable system of components, guidelines, and tools that support the ideal practices of user interface design. Material Design 3 is the third generation of Material that includes features like dynamic color (Material design). Material affects Android users the most since the language of Material greatly influences the user experience of the OS and mobile app design (Material design).

References

Forrest, C., Crouse, M., Partida, D., Corrales, E., Ayuya, C., & Kaelin, M. W. (2022, September 16). *Google material design: A cheat sheet for professionals*. TechRepublic. https://www.techrepublic.com/article/google-material-design-the-smart-persons-guide/

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