App Legal and Ethical Considerations

Data protection Act: Although the Productivity app won't hold any important user data, the data protection act may still need to be considered as the app has a login feature where names, email and phone numbers may be used when registering for the app. Considering this a solution for this would be to encrypt passwords stored in the database. In addition to this we could also restrict password permissions so that only admins can view passwords. Implementing these features will reduce the risk of personal data being stolen thus mitigating any fines given due to a breach in the data protection act.

Copyright Law

Another Consideration that is to be considered when creating the app would be The Copyright, Designs and Patents Act 1988, This act protects a person's work from being unlawfully used, distributed or adapted without the owner's consent. This is important for the App as we must make sure all app content is our own or used with consent from the owner. Considering this when using assets such as images or icons a website called pixabay can be used this site provides copyright free images and icons.

App Accessibilities (Disabilities)

From research I did around 15% of the world's population has a disability considering this it's important to make the app as accessible as possible.

Users with disabilities may have difficulties using the app. To combat this the App will need to be simplistic and easy to use/view. To make it easy to use the app needs to have a consistent design which helps the user gain familiarity of the app. Another Consideration for the design of the app would be to consider users with visual impairments such as colour blindness or dyslexia to combat this the design content must be a suitable size and use dyslexia friendly text as well as use colour blindness friendly colors. From research I did when designing the app in Figma using fonts such as serif with a size of 19 with be for dyslexia whilst using colours such as blue and red or blue and orange combination would help colour blind users.

Evaluation

Overall, it is important to consider legal and ethical issues when creating the project app as it will help deploy a successful project without any issues from both the law aspect and user side. Considering both these aspects will make the app more attractive to users and investors.

References

Service, G.D. (2015) *How copyright protects your work*, *GOV.UK*. Available at: <https://www.gov.uk/copyright#:~:text=Copyright%20prevents%20people%20from%3A,playing%20your%20work%20in%20public> (Accessed: 07 January 2024).

*Encryption tutorial for Android: Getting started* (no date) *kodeco.com*. Available at: <https://www.kodeco.com/778533-encryption-tutorial-for-android-getting-started> (Accessed: 07 January 2024).

*5 tips for creating an app with accessibility in mind* (no date) *Digital Workroom: Mobile App Development Agency, Manchester*. Available at: <https://www.digitalworkroom.co.uk/blogs/five-tips-for-designing-an-app-with-accessibility-in-mind> (Accessed: 07 January 2024).

Share *et al.* (1970) *5 tips on designing colour-blind-friendly visualizations*, *Tableau*. Available at: <https://www.tableau.com/en-gb/blog/examining-data-viz-rules-dont-use-red-green-together#:~:text=For%20example%2C%20blue%2Forange%20is,palette%20designed%20by%20Maureen%20Stone>. (Accessed: 07 January 2024).

British Dyslexia Association (no date) *Dyslexia friendly style guide*, *British Dyslexia Association*. Available at: <https://www.bdadyslexia.org.uk/advice/employers/creating-a-dyslexia-friendly-workplace/dyslexia-friendly-style-guide> (Accessed: 07 January 2024).