

HMI EXPERIMENT 8

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Date of Experiment:	Date of Submission:
Grade:	

AIM: Design a theme-based Icon for the selected Application.

B.1 Steps to create Icon Design:

1. Recognize the issue.
2. Adopt a holistic approach.
3. Recognize that less is more.
4. Consider Situation.
5. Recognize Semiotics.
6. Use Software such as Adobe XD, Figma, Canva.
7. Also, refer to some websites like flaticon, devicons, iconsout.

B.2 Advantages of Icon:

- Icons make excellent targets. They are often big enough to be readily touched in a finger-friendly UI, saving screen space.
- Icons can be tiny enough to display more material in a limited amount of area.
- Icons are easy to identify at a glance. This is especially true for typical icons that people are familiar with and have used before.
- There is usually no need to translate icons for foreign users. An envelope is a good example. It appears the same in every country.
- Icons improve the visual attractiveness of a design. Because they provide visual enjoyment to the user experience.

B.3 Disadvantages of Icon:

Less Detailed Icons:

- It is not possible to utilise different colours on a single icon. We can only apply a plain colour or a gradient.
- To achieve more intricate symbols, we'd have to utilise pictures or SVG. Icon fonts are similar to typefaces in that we cannot add features or patterns to them.

Icons are in short supply:

- Any icon collection available today does not include all of the world's icons or symbols.
- They only comprise the most regularly used icons and symbols, and we cannot locate icon fonts for all we require. We must select the finest matching icons from among the available icons.
- There are, however, techniques to design symbol fonts in any shape that are suited to our needs, but this is too complex for us.

Final Thoughts:

- Icon fonts and pictures are two distinct items that cannot be totally replaced. Previously, we had to use PNG pictures as social network icons, however, this is no longer necessary.
- Font icons are extremely strong and should be used wherever feasible. It contributes to the website's overall appearance and performance.

B.4 Snapshot of Designed Icon:

1. Mail Icon:



2. Phone:



3. Calculator:



4. Shopping Cart:



5. Media Player



B.5 Conclusion

After the successful implementation of this experiment, we were able to Design a theme-based Icon for the selected application.