LITERATURE SURVEY

A literature review surveys books, scholarly articles, and any other sources relevant to a particular issue, area of research, or theory, and by so doing, provides a description, summary, and critical evaluation of these works in relation to the research problem being investigated.
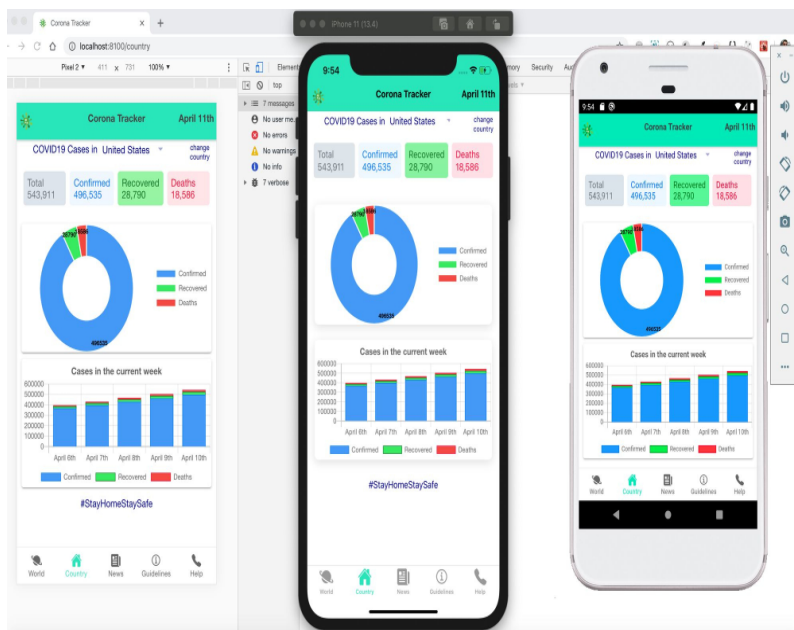
Project Statement

Web app ecosystems are transforming patterns of news consumption. Until quite recently, reading the news was a niche use for smartphones mostly for when users were 'on the go'; now however, two in every three users of mobile devices in the US regularly access news and as many as one in five read in-depth news articles daily ; a similar picture is found in the UK This growth in mobile news access continues the migration of news consumers to the Internet.

Project Flow

Tracker: A person who likes to be informed about the latest stories and any updates to stories he or she is following, usually reading the news for up to 10 minutes at a time and several times a day at intervals, for example, when travelling. Due to her limited time she prefers to extract the important bits of a story (i.e. reading by skimming).

Reviewer: A person who likes to catch up on the day's news, preferably at home. He likes an in-depth analysis of the stories he reads and will read at length to fully understand the story (i.e. a detailed reading). He usually reads the news once a day, spending more than 10 minutes to get through all the stories of interest and likes being informed on a variety of topics.

Dipper: A person with a casual interest in the news but likes to read news on specific topics such as sport. She always knows what she is looking for so does not spend more than 5 minutes accessing the news. She likes to browse particular sections to find stories and looks for specific facts or pieces of information without reading everything (i.e. reading by scanning).

References

Westlund, O. From mobile phone to mobile device: News consumption on the go. Canadian Journal of Communication (2008), 33(3).

Woerndl, W., Manhardt, A., & Prinz, V. A framework for mobile user activity logging. In MUSE 2010

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https://timesofindia.indiatimes.com/?from=mdr

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Conclusion

We explored the feasibility of recognising patterns of news reading interactions and evaluated three adaptive interface designs for different news reader types. We show that from their interaction log, a specific user can be recognised as one of three kinds. The reader types emerging from the online survey are well defined and distinct. The evaluation of the three variant interfaces suggests that different news reader types need different user interfaces. We have demonstrated a method for monitoring users' news reading behaviour and inferring news reader type from it. In the future we will further explore the design of adaptive interfaces, in order to be in a position to demonstrate a complete adaptive mobile news framework providing automatic personalisation of news apps