The Satisfaction Research of Typical Functions' Loading-time for Smart Phone

Abstract

Smart phone right now has become an essential part in human lives. People use many kinds of applications to solve the communication, study and amusement things. As people enjoy these functions, they also feel some inconvenience of these applications, like complication, robust and the long loading-time etc. The loading-time affects the user’s satisfaction and the selection of application. In this study, we explore the four aims: (1) The time estimation of the loading-time; (2) The satisfaction of common functions’ in different loading-times; (3) The differential threshold of typical loading-time; (4) The affects of varies blank page, images, animations to the time estimation. We select the dialing application, message application, browser, media player and the start function of the phone as the test functions. The experiment’s result shows this application’s curve of satisfaction, the limit of waiting time, and the threshold of the typical loading-time. The result also discovers how the inserted images and animations affect user’s time estimation and the satisfaction.