University of Washington   November 1, 2018

Department of Computer Science and Engineering

CSE 490C, Autumn 2018

CSE 490C, Homework Assignment 4, Due Wednesday, November 7th, 2018, at 11:59 pm

Designing User Interfaces (UIs) for Low-Literate Users.

This assignment involves reading an article and answering the questions listed below. The goal of this assignment is to expose you to some of the details of how User Interfaces (UIs) are designed for low-literate users.

Read the following research Article Text-Free User Interfaces for Illiterate and Semiliterate Users by Indrani Medhi, Aman Sagar, and Kentaro Toyama.

This research article describes the design process and the design details of designing User Interfaces for Semi and Non-literate users. It shares some important design principles for designing UIs for Low-literate users and how the needs of low-literate users differ than those of other users. You will be designing low-literate UIs for your Programming Assignment Homework 3. Thus, reading and understanding this paper and how such UIs are designed is important.

Answer the following questions in 300 or fewer words each:

1. What are the '*design principles for designing for low-literate users*' mentioned in the paper? Can you write two to five lines to explain each principle in your own words?

2. Besides the inability to read, what other possible considerations or limitations were discussed in the article about low-literate users? For example faith in technology or single vs. group use?

3. What were the problems faced by the low-literate participants when experimenting with text-based UIs without voice feedback? Why were they unable to understand the UI?