

Major comments:

- 1- The manuscript needs proofreading.
- 2- The research questions are very general.
- 3- Writing the LR section is confusing. The authors used words like “we” in many sentences which sounded like reading the methodology section. Were these research papers written by the same authors of the current manuscript? While reading this section, it is not clear whether the authors talk about their work or others work.
- 4- The study design has some issues.
 - a. It is not clear how the authors answered each research question. In other words, the authors should explain clearly the method used to answer each question. Moreover, they should show and discuss the answer for each question in the (results and discussion).
 - b. The methodology section (or mistakenly two sections) lack of explaining the method clearly in steps. The current structure is divided in chunks that explain the tables. The authors should begin with explaining the whole method then they can move to the details of each chunk.
- 5- Because of the issues of the research questions and methodology, the contribution of this manuscript is vague. The authors should fix the previous issues to make the contribution clear and acceptable.

Minor issues:

- 1- Although the title refers to online apps, most of the texts in the paper talk about web. Do the authors mean mobile apps (stand-alone apps) or something else?
- 2- Grammar mistakes in building sentences such as those in bullets (line 92-101).
- 3- The transition between many sentences in the introduction is not smooth. Please look at 63, 74, 78, 146, and 147.
- 4- Where are the references for text in lines 103-108?
- 5- It is not clear how bullets in lines 109-116 are linked to what came before. The reasons might be on the way they were introduced and the verb tense in each bullet.
- 6- In lines 128 & 129, the authors repeated the same sentences in lines 104 & 105.
- 7- Lines 146 & 147 “Human-computer interaction (HCI) research plays a significant role in understaining usability.”, no value of this sentence.
- 8- Although the authors previously mentioned the full names of some terms, they repeated them again. Please look at HCI (lines 146 & 258) UCD (line 78 & 232). What is the idea of writing the abbreviation such as “UCD” then using the full name many times later (see lines 245,247,253).
- 9- Could you explain clearly the benefits of the empty table (table 10)?
- 10- Lines 150 & 151 (this dissertation), what dissertation?
- 11- Line 166, who is “we”, It is confusing. Did you do this research or other people? This is noticed several times in the LR section.
- 12- Two sections (3 & 4) have the same title (Data Collection and Methodology)