

**Submitted To:**

Sir Fahad Maqbool

**Subject:**

Web Engineering

**Last Date of Submission:**

Monday, May 16th , 2022

**Department:**

CS & IT Department

**Group Members:**

Toseeq Sarwar (BSEF19M0041)

**Context ontology on mobile application**

It presents common concepts such as location, user, activity, and computational entity in order to capture information on executing situations. this ontology is developed by **Norki, F. A., Mohamad, R., & Ibrahim, N. (2020).** School of Computing, Universiti Teknologi Malaysia, Malaysia. This ontology explains basic features and their working of android while our ontology explains the latest hardware components of android and ios devices; Our ontology explains almost all hardware components features and their further details.

**Ontology for mobile phone operating systems**

This ontology perform a domain analysis of mobile operating systems by constructing and then considering the feature models of Symbian OS and Android OS. A domain analysis of the mobile operating system’s domain was undertaken. The analysis was accomplished by examining two specific mobile phone’s operating systems, building feature models of those tools, and then identifying key terminology of the feature models. This ontology is developed by **Hasni Neji and Ridha Bouallegue Innov’COM Lab**, Higher School of Communications of Tunis, Sup’Com University of Carthage, Tunis, Tunisia. This ontology is related to software of mobile but our ontology focus on mobile hardware specification.

**User Context Ontology for Adaptive Mobile-Phone Interfaces**

The ontology explain adaptive mobile user interface and hardware components used in displaying the UI of a mobile phone. This ontology is developed by **Muhammad Waseem Iqbal, Nadeem Ahmad Ch, Syed Khuram Shahzad, (Member, IEEE), Muhammad Raza Naqvi, Babar Ayub Khan5, And Zulfiqar Ali.** This ontology explains the hardware components of mobile used in displaying user interface and our ontology focus on almost all hardware components.