



# Applying Architectural Analysis for Current Software Systems: A Case Study of KFC and Pizza Hut Online Food Ordering Systems in Malaysia

**Authors:** Hujainah, Fadhl<sup>1</sup>; Al-Haimi, Basheer<sup>2</sup>; Nasser, Abdullah B<sup>1</sup>; Hujainah, Amira<sup>3</sup>; Al-Bashiri, Hael<sup>1</sup>

**Source:** Advanced Science Letters, Volume 23, Number 9, September 2017, pp. 9145-9151(7)

**Publisher:** American Scientific Publishers

**DOI:** <https://doi.org/10.1166/asl.2017.10042>

[< previous article](#) | [view table of contents](#) | [next article >](#)

[♥ ADD TO FAVOURITES](#)

...  
**Abstract**

[References](#)

[Citations](#)

[Supplementary Data](#)

[Data/Media](#)

[Metrics](#)

The main aim of this study is to discover the ability in analyzing, criticizing and providing suggestion in improving the selected important properties of a software application using architectural analysis dimensions. The researchers selected KFC and Pizza Hut online food ordering systems in Malaysia for the case study purpose. These two selected systems are critically analyzed using seven architectural dimensions such as goals of analysis, scope of analysis, primary architectural concern being analyzed, level of formality of architectural models, type of analysis, level of automation, system stakeholders who are interested in analysis. The finding suggests that there are some characteristics provided by Pizza Hut system which are better than KFC system. Furthermore, details of the findings and discussion are highlighted from seven different aspects of analysis which have been carefully studied and very well analyzed on two popular online food ordering systems.

**Keywords:** Hf Metal Layer; HfO<sub>2</sub>; Polarity Reversal; Resistive Random Access Memory

**Document Type:** Research Article

**Affiliations:** **1:** Faculty of Computer Systems and Software Engineering, Universiti Malaysia Pahang (UMP), 26300 Kuantan, Pahang, Malaysia **2:** Faculty of Industrial Management, Universiti Malaysia Pahang (UMP), 26300 Kuantan, Pahang, Malaysia **3:** Department of Computer Science and Engineering, Hodeidah University, Hodeidah, Yemen

Publication date: September 1, 2017

[> More about this publication?](#)