

ABSTRACT

From our daily business transaction to annual financial reports, Microsoft Excel has been playing a very important role in preparing these reports. Many of the current business activities are documented for future references. Nowadays, Microsoft Excel is widely used for preparing accounts spreadsheets, and recording data in tabular format. The Object-Oriented Data Automation (OODA) System for Microsoft Excel Files is a system that helps Microsoft Excel users to manipulate all the data contained in Excel documents. It is developed using an Object-Oriented programming language, which is Java and running under a Java Servlet Container, Apache Tomcat web server. There are two main features provided in this system. Firstly, the OODA System for Microsoft Excel Files provides an interface for users to segregate an Excel document into several portions according to each pair of starting point and ending point provided. Users could specify words or the Excel cell name as the starting and ending of data segregation. Secondly, this system also provides system automation for combining several Excel documents without starting Microsoft Excel application in order to open each file. Users could browse any Excel documents and specify the cells which they hope to combine with. Furthermore, users could choose to combine the Excel documents horizontally or vertically. An OODA System for Microsoft Excel files is developed for the main purpose of reducing the time taken in manually cut and paste portions of an Excel document. Automation is a critical key in resolving the issue of manipulating large volume Excel documents.