Dated: 14/2/2021   **IT 332- System Integration**   **Due Date: 17 / 4 / 2021**

Project: Evaluation of Open Source Enterprise Resource Planning (ERP) Systems
The goal of this project is to teach students an important set of skills - how to install, learn, and evaluate new technologies. This goal is achieved through a set of assignments wherein students will critique the effectiveness open source Enterprise Resource Planning (ERP) Systems. This project is divided into a set of four assignments:

First Phase
- What do you understand by ERP system? How does it differ from other business application?
- Install any below mentioned ERP system and get the software to work.
- Describe the installed ERP system, its source, supported modules & sub-functionalities, target audience, cost, unique features, etc.

This is not intended to be a reproduction of the feature list or product brochure. Instead, you should identify the most relevant, distinguishing or otherwise important features.

Second Phase
- Analyze the ERP system's effectiveness using demo example provided by the ERP system producers or by entering the raw information and check the different functionalities of each module.

Third Phase
- Analyze the ERP system's effectiveness by implementing a complex business process (such as HR, Finance, Inventory etc.) provided by the Instructor. (In terms of usability- easy or hard or medium level to use)
- Complete evaluation report using criteria provided by the Instructor (User Interface, Usability, Interoperability, functionality)

Fourth Phase
- Write a report documenting your experiences with installing and using the ERP system (including demo and complex business process).
- Present the features of the installed ERP system.
- Provide a recommendation on whether the software should or should not be used in educational setting as means to teach ERP systems. Substantiate your recommendation.
- Provide a recommendation on whether the software should or should not be used in organizational setting as means to run business.

List of ERP system

1. ADempiere
http://www.adempiere.com/ADempiere_ERP
Download the latest release:
http://sourceforge.net/projects/adempiere/files/ADempiere%20Official%20Release/

Installation instructions (Manually):
http://www.adempiere.com/Installing_ADempiere_Manually
Reproduce the Libero Manufacturing example:
http://www.adempiere.com/A_Step_by_Step_Guide_to_Libero_Manufacturing

2. Compiere ERP
http://www.compiere.com/products/open-source/index.php

http://www.compiere.com/products/download/index.php
Installation instructions:
http://www.compiere.com/support/installation.php
Reproduce Compiere Manufacturing and MRP demos:
www.compiere.com/resources/product-demos/index.php

3. Dolibarr ERP
http://wiki.dolibarr.org/index.php/Main_Page
Download the latest release:
http://sourceforge.net/projects/dolibarr/files/
Installation instructions:
http://wiki.dolibarr.org/index.php/Installation_-_Upgrade
Reproduce the Module Customers Invoices demo example:
http://wiki.dolibarr.org/index.php/Module_Customers_Invoices

4. ERP5
http://www.erp5.org/
Download the latest release:
http://svn.erp5.org/erp5/
Installation instructions:
http://www.erp5.com/download
Reproduce the ERP5 CRM (Customer Relationship Management) example:
http://www.erp5.com/documentation/user
5. FrontAccounting

http://frontaccounting.com/wb3/
Download the latest release:
http://sourceforge.net/projects/frontaccounting/
Installation instructions:
http://frontaccounting.com/wb3/pages/download/installation-guide.php
Reproduce the Sales demo example:
http://frontaccounting.com/fawiki/index.php?n=Help.Sales
6. webERP

http://www.weberp.org/HomePage
Download the latest release:
http://sourceforge.net/projects/web-erp/
Installation instructions:
http://web-erp.svn.sourceforge.net/viewvc/web-erp/trunk/doc/INSTALL.txt?revision=4516
http://www.weberp.org/weberp/doc/Manual/ManualContents.php?ViewTopic=GettingStarted
Reproduce the demo example:
http://www.weberp.org/weberp/doc/Manual/ManualContents.php?ViewTopic=CreatingNewSystem
7. JFire

http://www.jfire.net/home

Download the latest release:
http://www.jfire.net/download
Installation instructions:
https://www.jfire.org/modules/phpwiki/index.php/Installation
Reproduce the Invoice booking process example:
https://www.jfire.org/modules/phpwiki/index.php/Invoice%20booking%20process
8. Apache OFBiz

http://ofbiz.apache.org/
Download the latest release:
http://ofbiz.apache.org/download.html
Installation instructions:
https://cwiki.apache.org/OFBADMIN/demo-and-test-setup-guide.html
Reproduce the demo example:
https://cwiki.apache.org/OFBIZ/ofbiz-tutorial-a-beginners-development-guide.html
9. Openbravo

http://www.openbravo.com/
Download the latest release:
http://www.openbravo.com/downloads/files/
Installation instructions:
http://wiki.openbravo.com/wiki/Installation
Reproduce the demo example:
http://wiki.openbravo.com/wiki/Quick_Guide

10. OpenERP
http://www.openerp.com/
Download the latest release:
http://www.openerp.com/downloads
Installation instructions:
http://doc.openerp.com/v6.0/install/index.html#installation-link
Reproduce the demo example:
http://doc.openerp.com/v6.0/book/1/1_3_Real_Case/1_3_Real_Case_use_case.html
11. Opentabs

http://www.opentaps.org/
Download the latest release:
http://sourceforge.net/projects/opentaps/
Installation instructions:
http://www.opentaps.org/docs/index.php/Opentaps_Installation_Manual
Reproduce the Customer Management Processing Power example:
http://www.opentaps.org/docs/index.php/Opentaps_Users_Manual#Using_Customer_Management_Processing_Power

12. xTuple PostBooks
http://www.xtuple.com/postbooks

Download the latest release:
http://sourceforge.net/projects/postbooks/
Installation instructions:
http://www.xtuple.org/docs/admin-and-setup
Reproduce the Quote-to-Cash and Project Tracking example:
http://www.xtuple.org/sites/default/files/prodguide/Service-HTML/index.html
13. LedgerSMB

http://ledgersmb.org/
Download the latest release:
http://ledgersmb.org/download
Installation instructions:
http://ledgersmb.org/help/install
Reproduce the Quotations and Order Management example (see section 11):
http://ledger-smb.svn.sourceforge.net/viewvc/ledger-smb/trunk/doc/LedgerSMB-manual.pdf
14. SQL-Ledger

http://www.sql-ledger.com/
Download the latest release:
http://www.sql-ledger.com/cgi-bin/nav.pl?page=source/index.html&title=Download
Installation instructions:
http://www.sql-ledger.com/cgi-bin/nav.pl?page=source/windows/sql-ledger-windows-howto.html
Reproduce the demo example:
http://www.sql-ledger.com/misc/samplechapter.pdf