

Infor Cloud Suite Industrial / Mongoose Dealing with Big Data in ERP Class

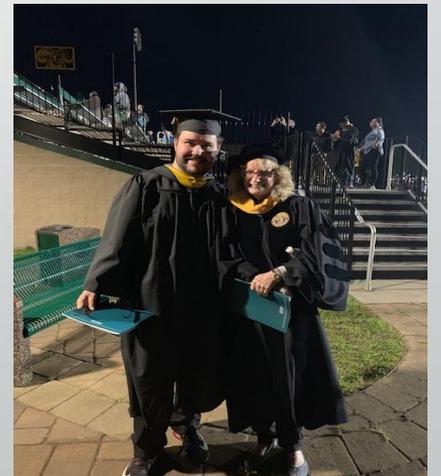
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FSC Students and Big Data with Infor

- There is a need to convert Big Data into Business intelligence that enterprises can readily deploy. Students get a glimpse of that with this tool in the classroom. They make calculated decisions based on specific assignments.
- Better data leads to better decision making and an improved way to strategize for any business, students get to see all functional areas of a company by using this real world tool in the classroom.
- Students recognize that the most successful enterprises of tomorrow will be the ones that can make sense of all that data at work in order to capture newer markets.



Infor Education Alliance Program (EAP)

- The EAP partnership between Farmingdale and Infor has provided many benefits and positive outcomes to our students.
- The Infor CSI tool has allowed students to gain insight on Big Data in an ERP systems and how to effectively evaluate and manipulate this data.
- Students gain the skills sets that are demanded in industry bridging the gap between what is in the classroom and what is required in the workforce.

The Big Data characteristics students review with this tool in this class are:

- the amount of data that businesses can collect is enormous and the volume of data becomes a critical factor in the analysis .
- the rate at which new data is being generated all thanks to our dependence on the internet, sensors, machine-to-machine data is also important to parse Big Data in a timely manner.
- understanding the type of big data is a key factor to unlocking its value.
- knowing whether the data that is available is coming from a credible source is of utmost importance before deciphering and implementing Big Data for business needs.



Areas of Big Data that students are exposed to with this tool

- Business Intelligence
- Dashboards
- Big Data Analytics
- Databases, Data warehousing and ETL
- Statistical Reporting and Visualization
- Predictive Analysis
- Data Science



How has this driven student success?

- The skills students acquire include functional understanding, flow of data, recognition of big data issues, analyzing and investigation of the big data within an organization.
- Students understand key elements of big data to calculate information relevance to company success.
- Students who have graduated after taking this class are much more prepared with their understanding of big data now that they are in the workforce.



Partnerships / Collaboration with industry

This collaborations with Infor provided our students with:

- Professional skills
- Technical skills
- Aanalytic skills



These skills are necessary for students who aim to have a entry-level career in ERP Implementation Consultant, Sales Associate, or Project Manager.

Students were able to communicate more effectively and improve their presentation skills.

Farmingdale State College Using Infor CloudSuite?

Infor's Cloud Suite Industrial is an ERP system for businesses, that allows for predictive analytics, collaboration, lean production tools, and integration options.

Infor designs, implements, and deploys detailed ERP Cloud solutions that help deal with project management as well as other aspects of business-like data processing.



Giving our students hands-on access to software tools and problem-solving techniques in the classroom is a great means of integrating the classroom and the workplace.



What does it have to do with Big Data?

Businesses are able to manage large amounts of data with the use of forms in the CSI tool.

Such forms are used for:

- Scheduling
- Service management
- Metrics
- Reports

Benefits of this tool:

- Security
- Disaster recovery

BIG DATA





A Students Perspective

This tool can help:

- Manage and keep track of data
- Understand how the data is being used throughout the rest of the system.

What make up proper and useful data management system:

- User interface
- Filtering utility
- Keyboard shortcuts

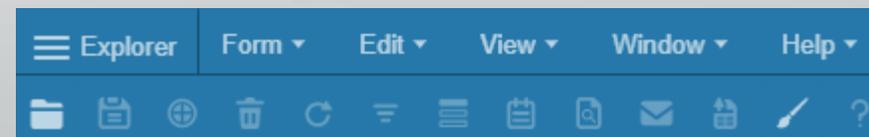
A Students Perspective (cont.)

This well-designed interface allows users to be very efficient with the data that they work with.

The interface offers a variety of functions to handle that data, such as the ability to automatically open or pre-load specific forms that are needed for a specific piece of data.

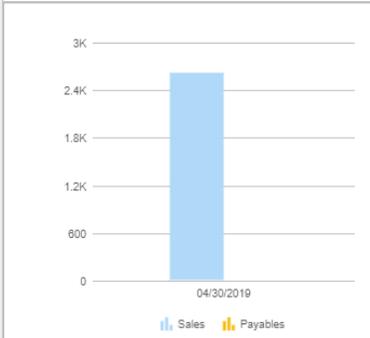


Other functions are available in the toolbar, such as the ability to open forms and create new entries in a form.

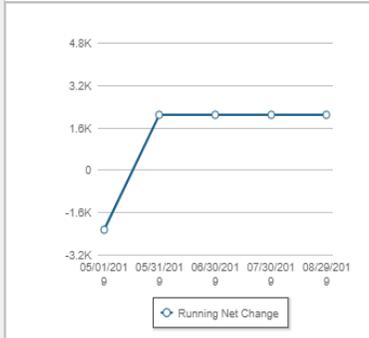


Controller Home

Days Outstanding



Cash Impact



Cash Received

Total Amount	0.00
	0.00

PO Funds Committed

Total Amount	249.20
Chris Conlon Vendor	0.00
Standard Supplies Industry	33.20
Master Unit Vendor	50.00
Bicycle Parts Company	166.00

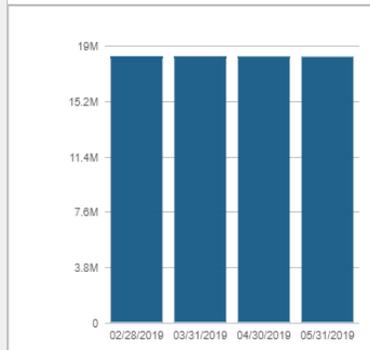
Customer Analysis

View the aging data for a customer.

Vendor Analysis

View the aging data for a vendor.

Inventory Value



G/L Account Lookup

View information for the account for the period.

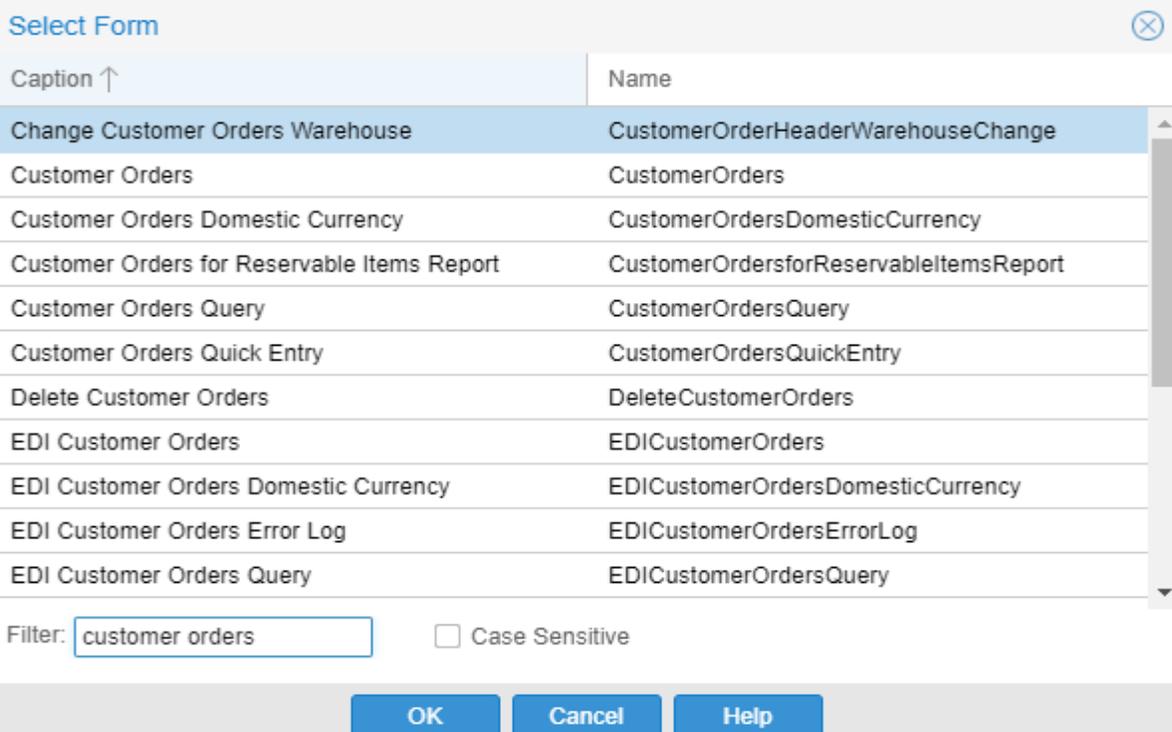
Controller Todays Key Values

Remaining Shipment Value For Peri...

A Students Perspective (cont.)

Filters allows for forms and entries to be found easily without needing to look through an entire list to find the form entry needed.

These filters take in input from specified fields that are filled out in the form and will then locate forms/entries with the similar or same exact information that matches what the user had inputted.



The screenshot shows a 'Select Form' dialog box with a search filter applied. The filter text is 'customer orders'. The list of forms is filtered to show only those containing 'customer orders' in their name. The first form, 'Change Customer Orders Warehouse', is selected.

Caption ↑	Name
Change Customer Orders Warehouse	CustomerOrderHeaderWarehouseChange
Customer Orders	CustomerOrders
Customer Orders Domestic Currency	CustomerOrdersDomesticCurrency
Customer Orders for Reservable Items Report	CustomerOrdersforReservableItemsReport
Customer Orders Query	CustomerOrdersQuery
Customer Orders Quick Entry	CustomerOrdersQuickEntry
Delete Customer Orders	DeleteCustomerOrders
EDI Customer Orders	EDICustomerOrders
EDI Customer Orders Domestic Currency	EDICustomerOrdersDomesticCurrency
EDI Customer Orders Error Log	EDICustomerOrdersErrorLog
EDI Customer Orders Query	EDICustomerOrdersQuery

Filter: Case Sensitive

OK Cancel Help



What is Infor Mongoose?

Infor's Mongoose program is an application builder which allows administrators to create their own custom applications with special functions to help deal with new forms of data or existing.

Slightly more difficult to use but once you understand it better the program will become easier to navigate.

Mongoose also provides various components and options when building forms like text fields, button, images, etc. With the high customizability of Mongoose, companies can cater to this program to their needs which is a great benefit to the companies using it.

Form Global Objects View Help

TestIDO1

Toolbox

Framework Components

- Pointer
- Browser
- Button
- Calendar
- Chart
- CheckBox
- ComboBox
- DataView
- DateCombo
- Diagram
- DropList
- Edit
- FlexLayout
- FormPage
- Gauge
- Grid
- GroupBox
- HyperLinkButton
- Infocon
- List
- MenuItem
- MultiLineEdit
- NoteBook
- RadioButton
- Static
- ToolBarButton
- Tree
- UserControl
- VerticalGrid

User Components

- SoHoAction
- SoHoAutocomplete
- SoHoButton
- SoHoCalendar
- SoHoComboBox
- SoHoDatePicker
- SoHoExpandableArea
- SoHoMessageDialog
- SoHoMultiSelect

ID
1

ID: 1
Name:
sPrice:
sQuantity:

Properties

Design

Name	TestIDO1
Description	
Caption	
Version	User version for us...
Device Type	Default
Form Type	Normal
Is Master	True

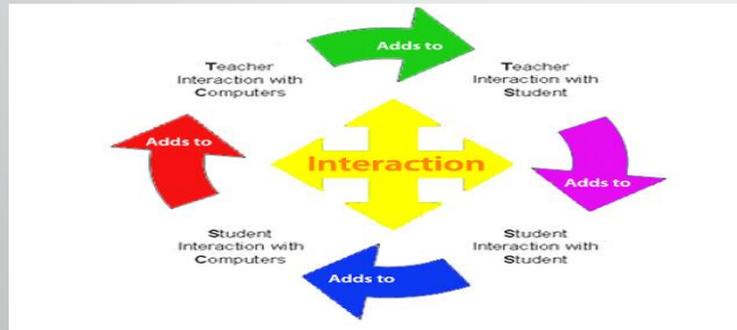
Appearance

Behavior

Help

Layout

Student/Faculty Interaction



Faculty-student interactions take on a more intense flavor in a tutorial-style classroom, or in a hands-on style ERP class as experienced in these classes at Farmingdale State College.

Interactions seem to enhance student learning and intellectual stimulation. Providing ways for student to deal with all of this data is one the reasons why this course is of key importance.

This **apprentice-type training** and the tutorial-style class setting mirrors what very few companies do today in the US compared to years ago and to what occurs in other areas of the world.

Farmingdale State College Student Testimonial

" I started out as an Education Alliance Program (EAP) intern of Infor, from September 2017 to May of 2018 of my academic life, at Farmingdale State College with my professor Dr. Jill O' Sullivan" .

This is where we took the learning of Infor's CloudSuite Industrial tool and now it has only become a great foundation and extension to my education. I learned about the ins and outs of Enterprise Resource Planning (ERP) software and why industry leaders like Ferrari, Experian, Nike, Adidas and many more depend on Infor's software to drive their business from the inventory items to budgeting their costs everything is possible with the CSI tool.

I am now a Cloud System Administrator working to bring my knowledge and outlook in artificial intelligence and automation to disrupt and change for innovation."

~ Sayem Shahrier

References

1. <https://www.infor.com/products/cloudsuite-industrial>
2. <https://www.infor.com/products/mongoose>
3. J. O'Sullivan and G. Caiola, Enterprise Resource Planning a Transitional Approach from the Classroom to the Business World, The McGraw-Hill Companies, 2008.

Contact Us

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