



## **Unleash the Power of OAS Gold**

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OAS Gold gives you the power to customize your Invision application in ways never available before. If you simply use “remapped” screens, you are missing out on powerful tools that can make your application easier to use, safer and more efficient. By investing in programming resources up front in your development phase, you can save tremendous amounts of time in training users and also increase user satisfaction.

Screens and pathways that are modeled closely after the users’ workflow and thought processes will result in faster data entry and better quality data entry since the screens “make sense” to the user. If your users look at a screen and don’t know where to start, it’s time to reassess the design. For example, a well-designed clinical data entry screen will present the user with only the required information for the particular order they are entering. If they select a priority of “stat” for a medication order, the fields for duration and frequency are not appropriate for the order, so when “stat” is selected, use OAS Gold commands to make the unnecessary fields inactive, or better yet, hide them. As a user selects items on a screen that logically eliminate other fields from being part of the process, hide or inactivate them. This guides your user into making error free orders that contain compatible data.

Some advantages of customizing your OAS Gold pathways:

- You can regain some screen “real estate” since most model screens have an extra scroll box that is not maximized, causing scrolling and extraneous borders on the screen. One thing to remember - users hate scrolling, especially if there isn’t any payback for them because it’s caused by inefficient screen design. It’s possible to eliminate virtually all scrolling in the clinical pathways by careful re-expression of the model screens.
- You can have an application that looks like it was custom designed for your facility by using your facility’s color palette, images, etc.
- Screens can be consolidated for more efficient data entry since much more can be included on a Gold screen by the use of drop downs, panels and tabs.
- Take control of the header. Make it your own by including what’s important to your users in the order they want data presented. Be sure to eliminate the scrolling. Add active buttons within the header. An allergy detail button, for example, can pop up a panel with allergy details (or any data in the AUDA) without forcing the user out of the ordering pathway.

Some considerations if you customize:

- Set standards. This will be critical for success in maintaining consistency in your application. Create a standards document outlining font type and size, colors, button types and functionality for selectables. You should have a person responsible for final approval of a form based on it adhering to your style standards. Modify the model color TCL to set your color palette. Then it’s just a matter of valuing panels and elements with the appropriate percent field. This way the colors are always consistent. Consistency is a key factor in user satisfaction and the successful implementation of your application. Determine which type of buttons will function in what way. Be consistent. Users will expect selectables to act the same on every screen. Establish your own templates to use as a base to build custom forms. There are some model forms that are not re-expressed that you will want to build to keep the look of your pathway consistent. Also build a template for your header so if you need to add, remove or rearrange it you can simply paste it onto forms as needed. This will change soon when a new type of form becomes available for use as a header that is stored as a single form and pulled into the current form by predisplay commands.
- Plan for the future. When you are building a Gold form, take a few extra minutes to add more lines to the list boxes, you will use them later. If you’re building something new, like a panel or list to select a physician specialty or hospital department, make room for expansion later on.

- Use hyperlinks to make your application safer and educational. Link documentation that users would carry in their pockets or need to reference frequently (ex. dosing conversions). Also, make links to your policies, procedures and protocol documentation. The goal is to make the application the source of reference most readily available to your users. Add links within the application to services your clinical users need, like Micromedix for drug references.
- Add helpful pop-ups activated by selecting a button to display information that will help users make decisions quickly, like a reference for what the standard medication administration times are for each nursing unit, or a chart showing tray delivery times from dietary.
- Create a user field to lock screen items, then paste that field into selectable items on your screens (in the field name box in the properties). Then, when you need to lock out that screen element, simply value the field conditionally based on your criteria in the predisplay commands.
- Use your departmental liaisons to generate creative ways the system can improve workflow. You'll be amazed at how imaginative they can be, and it adds value to the system in tangible savings in labor. Don't spend time trying to mimic a bad manual process in your system. Use this as an opportunity to add efficiency.
- Create documentation as you build using screen shots and callouts to illustrate. These can be combined to give you an "owner's manual" for the system, and can individually be used as pop-up tip sheets in your pathways.
- Use predisplay commands to make date sensitive informational pop-ups for new functions. I've placed a panel with a button labeled "New Function, click here for info" that pops up a tip sheet explaining a new function right on the detail screen. I wrote predisplay commands that made the button only visible for 60 days because any newly trained users were shown the function in their class. If there was still any confusion, the date to hide the button could be modified.
- Involve your users in the basic design stages. It is much better to do that up front than to work on an expensive rebuild later on. Doing so will also greatly increase user satisfaction since the users will already have a buy-in to the new system design.