

CODEMMANDOS

Empowering Agile/DevSecOps Citizen Developers with No-code & Scripting



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Motivation

Loathe Coding is a software development mentality to “get rid of a problem” ...

a person loathes a problem SO MUCH ...

they learn to code, go out of their way to figure out, or seek out new methods which solve their issue



Motivation

Vision

Empower unit and staff assigned Airmen to solve their own problems through software development

Execution

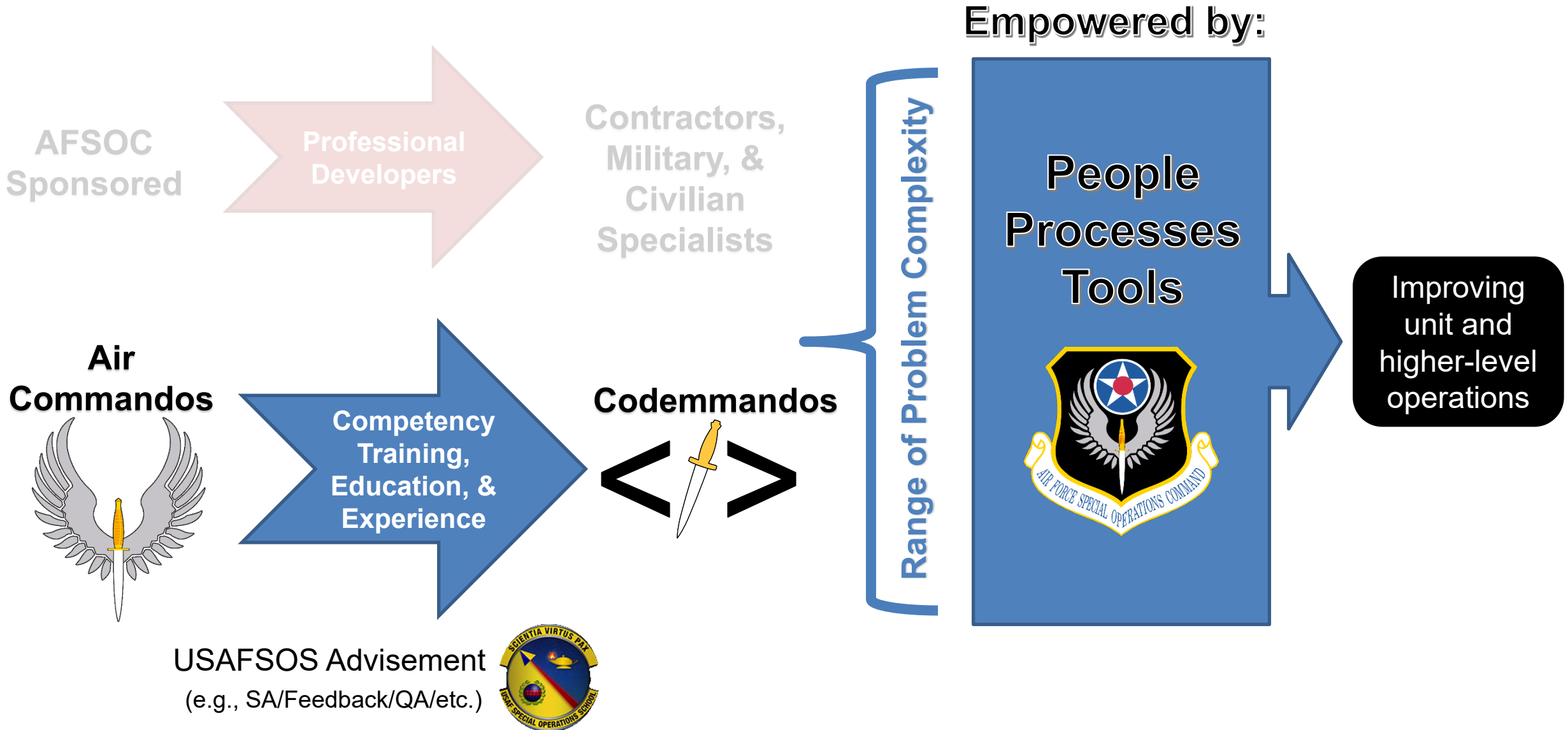
It's NOT a Software Factory...

It is a Software Auto-Hobby Shop

Create citizen developers & a cadre of unit-level SMEs to:

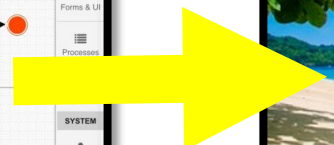
- Develop fast and approved software (e.g., no-code apps + scripts)
- Using low-cost tools
- Solve unit-level problems

The Codemmandos Initiative (OV-1)



CODEMMANDOS *The Joget “No-Codemmando”*

The top-left screenshot shows the **FORM BUILDER** interface for 'Customer Relationship Management v1: Account: Accounts Tab (Published)'. It features a 'DESIGN FORM' tab with a sidebar of form elements like 'Text Field', 'Password Field', and 'File Upload'. The main area is a 'Drop Fields Here' workspace. The top-right screenshot shows the **PROCESS BUILDER** interface for the same application, displaying a flowchart for a 'Proposal Approval Process' with steps like 'Email Request For Approval', 'Approve Proposal', and 'Email Resubmit Notification'.



The central screenshot shows the final **joget|DX** application. The header displays the time as 5:03 PM. The main content area features a large banner with a beach background and the text 'You have 3 assignments.' Below the banner is an 'APP CENTER' with various application tiles, including 'AI Image Recognition', 'App 1', 'Blockchain App', 'Customer Relationship', 'Employee Services Portal', 'Expenses Claims App', 'Internal Service', and 'Joget DX Showcase'.

This screenshot shows the 'Manage Accounts' interface within the 'CUSTOMER RELATIONSHIP MANAGEMENT' application. It includes a sidebar with navigation options like 'CRM Dashboard', 'Accounts List', and 'Proposals List'. The main content area has sections for 'Account Details' and 'Address Details' with various input fields and a 'Save' button.

This screenshot shows the 'Expenses Claims Dashboard' interface. It features a sidebar with navigation options like 'Dashboard', 'My Expenses', and 'Finance List'. The main content area includes 'My Expenses' and 'My Inbox' sections with data tables, and an 'Expenses Trend' section with a bar chart showing 'Total Expense \$' over time.

This screenshot shows the 'BASIC CRUD APP' interface. It features a sidebar with navigation options like 'Home' and 'Manage Basic Form'. The main content area displays a data table with columns for 'NAME', 'AGE', 'GENDER', and 'STATUS', along with 'Edit' buttons for each row. Below the table are 'Download PDF', 'New', and 'Delete' buttons.

Lessons Learned

■ Good

- Competency Based Learning -- AFH 36-2647 “Competency Modeling”
- Adaptive Acquisition Framework/Software Development Process
- DevSecOps -- “Plan-Develop-Build-Test” + Teach-One, Show-One, Do-One

■ Bad

- Manning/Support (Long term-to-Daily)
 - **Make POC's singularly focused, OR have regular “hide in a room” days**
- “Multiple Levels/Targets“ – divides attention, dilutes total work
 - **Work a single task/effort, then go to a new effort**

■ Ugly

- Course Execution (it was good in person)
 - **Record sessions + Make it self-study**
- Tools selected (Joget and HTML Applications <HTA's>) are niche

The effort was a 1-year approved Innovation Effort hosted by AFSOC (ended Sep 22)

Future / Questions

- **Future**
 - **Codemmandos is on indefinite pause**
 - **Need to identify long-term supported platforms/approaches**
 - **Formal Requirement to ID/ask for support**

- **Note: Send email for links for training resources / MS Teams / app site**
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QUESTIONS?