

# Code Yourself Out of a Job

Developing with User Self-Maintenance in Mind

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# Your Presenters

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# What We'll Cover

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- Low-Maintenance Development
- GT eForms Framework
- Tips and Techniques
- Demonstration

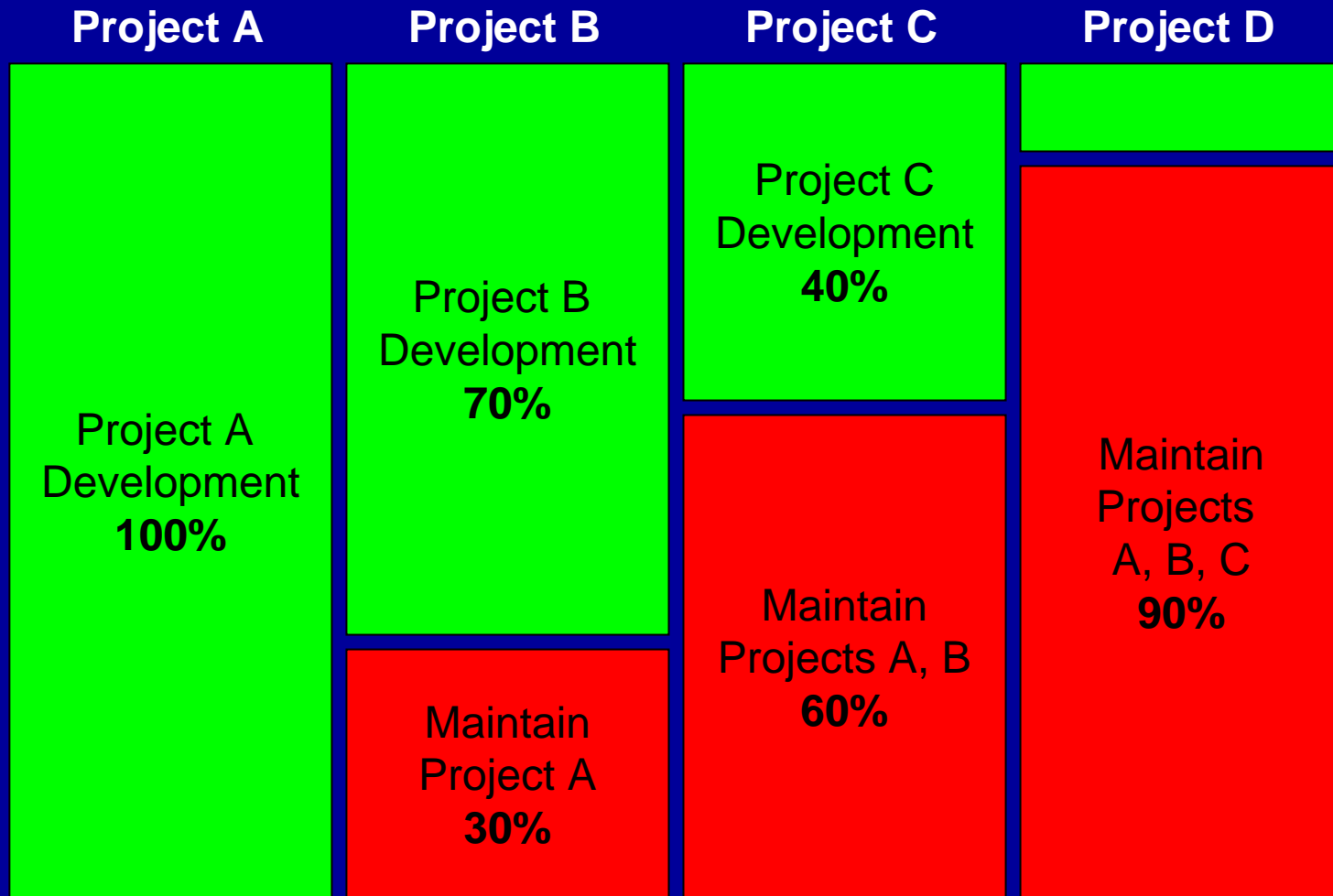
# Goal: Low-Maintenance Development

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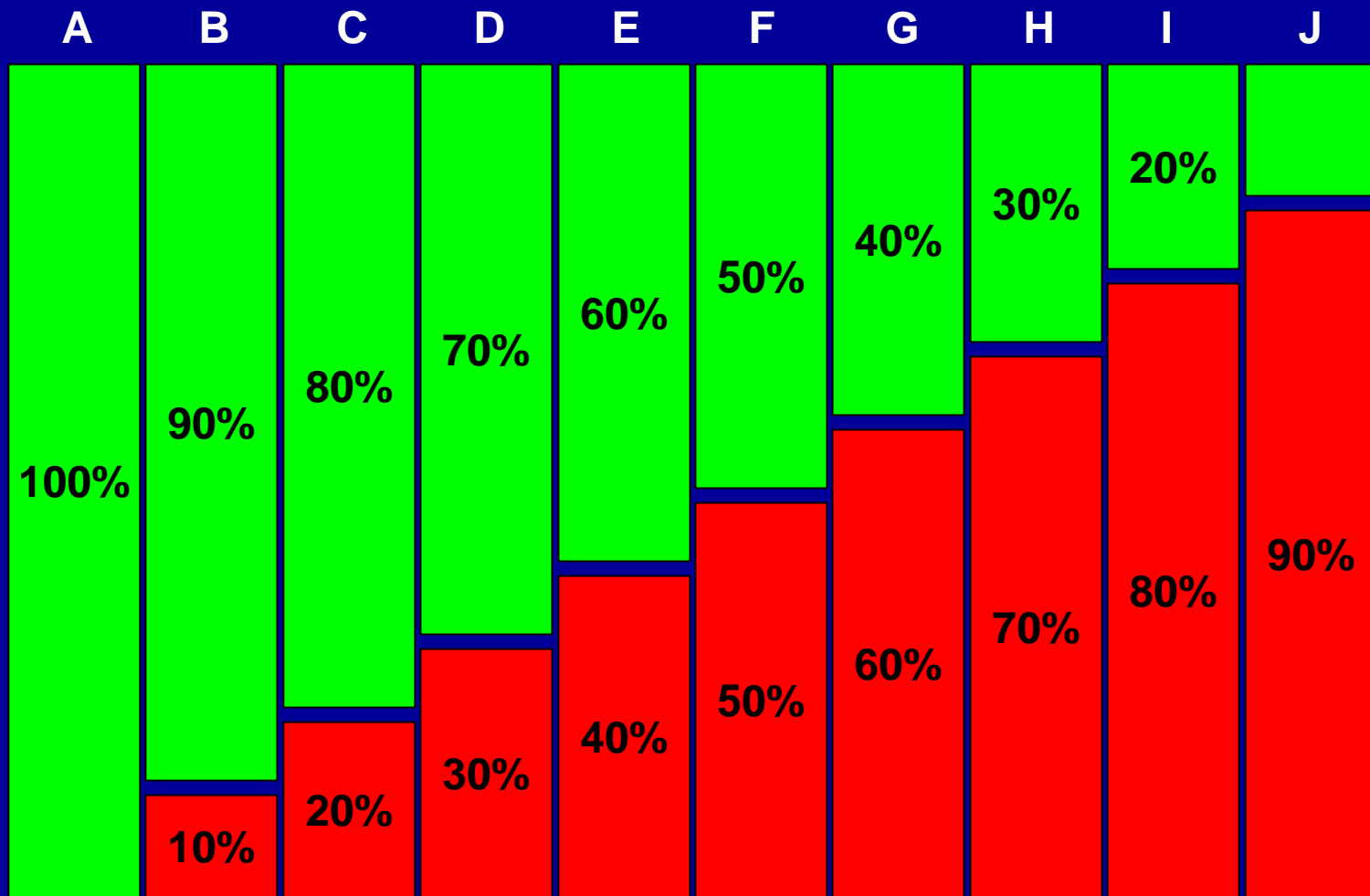
Typically the scarcest resource in the economy of enterprise business applications is developer time. The maintenance burden of current applications limits developer time available for creating new solutions.

*Reducing developer maintenance increases the amount of work an enterprise can automate.*

# Total Automation Capacity is Limited by Maintenance Burden



# Total Automation Capacity Increases with Lower Maintenance per Project



# **To Achieve Low-Maintenance Development**

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- **Construct fluid business processes**
- **Empower Business Analysts**
- **Conserve Developer time**
  - Build readable, reusable code
  - Offload maintenance to Business Analysts

# Introducing GT eForms

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GT eForms is a bolt-on electronic forms toolset for PeopleSoft applications, developed by Gideon Taylor. GT eForms provides a flexible framework for developing electronic forms, where the business process flow is controlled in setup tables.

# We'll Discuss GT eForms As:

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- An *example* of user-maintainable development
- A *tool* to enable user-maintainable development

# Use Setup Tables

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- Restrict Valid Values
- Default Fields from Other Fields
- Define Business Constructs
- Drive Conditional Application Behavior

# Write Readable, Reusable Code

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- **Functions and Function Libraries**
  - Reusable field edits
  - “Is” functions
  - “Get” functions
- **Subpages**
- **SQL Objects**
- **Application Classes**

# Use Meta-Coding Techniques

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Meta-code changes outcomes based on user-supplied data, rather than requiring discrete code for each outcome.

**Reusable Code + Setup Table Data = META-CODE**

# Meta-Coding in GT eForms

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- Workflow Participant Lists
- Form Checklists
- Email Templates
- Email Hyperlinks
- Step-Based Navigation
- *And much more...*

# Introducing the Business Analyst

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A Business Analyst is:

- *An expert on the business processes of the organization*
- *A power user, but not necessarily a developer*
- *Authorized to supervise and change business processes*

# Business Analyst Levels

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- I Access to populate setup tables
- II Security Administration
  - App Designer: Approval Rule Sets
  - App Designer: HTML Objects
- III Role Queries
  - App Designer: Workflow Activities
  - App Designer: SQL Objects

# Live Demo

## The User-Maintained Business Process

# In Conclusion

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- Empower your Business Analysts
- Use Setup Tables
- Write Readable, Reusable Code
- Create Meta-Code Solutions
- Consider GT eForms
- *Code Yourself Out of a Job!*

# Questions?

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# Contacts

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Learn more about GT eForms  
and Gideon Taylor at:  
[www.gideontaylor.com](http://www.gideontaylor.com)



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