

# Moving to HTML5

Taking the next step with your RPG CGI Application



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# Overview

- Review a typical CGIDEV2 application
- Externalize styling into CSS
- Implement some HTML5 features
- Use CGIDEV2 to create a web service
- Use AJAX to call web service and update screen without reloading the page.

# Basic CGIDEV2 Example

# Basic CGIDEV2 Application

- CGIDEV<sub>2</sub>
  - Used to create RPG CGI applications
  - Uses templates for HTML
  - Easily plug in values in RPG program to put data on page
- Typical example of RPG CGI application
  - Simplistic
  - Older techniques

# First Step

Moving styling to CSS and HTML5



# CSS

- Cascading Style Sheets
  - Language for defining style of web content
  - Allows for centralized control of look and feel
  - Can be saved into separate files



# HTML5

- Latest version of HTML spec
  - Simplifies commonly used techniques
  - Term often used to refer to other technologies related to HTML5

# AJAX

Smoothing out the interface



# AJAX

- Asynchronous JavaScript and XML
  - Not a language
  - Methodology
  - Allows for a request to be made to the webserver without waiting for result

# AJAX

- First, we need something to handle our request
  - Web service to add an order line
  - Easy to create using CGIDEV2

# AJAX

- Next, we need to write JavaScript code to handle the AJAX request
  - Moderate amount of code needed
  - Code is almost identical for every AJAX request

# AJAX

- Updated application
  - Removal of logic to add order line
  - Modification to HTML template to make AJAX request and not submit back to program



Questions?

# Thank You!

## About the Presenter

Brian May is an IBM i Modernization Specialist for Profound Logic Software. He has also served as webmaster and coordinator for the Young i Professionals (<http://www.youngiprofessionals.com>). He is a husband and father of two beautiful girls. Brian can be reached at [bmay@profoundlogic.com](mailto:bmay@profoundlogic.com)

