KEEP YOUR UI RESPONSIVE WITH THE BACKGROUNDWORKER COMPONENT

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AGENDA

- About Me
- BackgroundWorker Component Features
- Overall Workflow
- LOOK AT THE CODE
- Resources

ABOUT ME

- Jeremy Clark
- Work for **BITKOO**®
- 10 Years as an Application Developer
- .NET/C# since 2005
- ASP.NET, WinForms, Web Services, WCF, WPF, Silverlight, ASP.NET MVC
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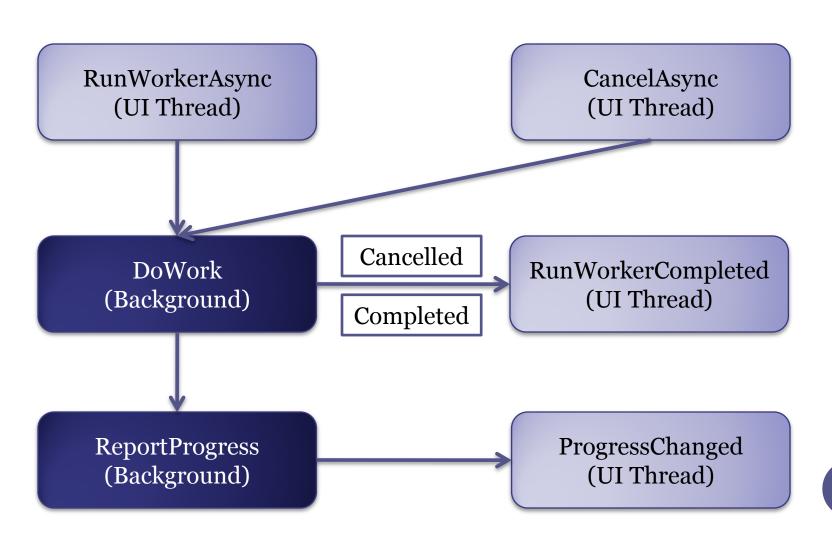
BACKGROUNDWORKER COMPONENT FEATURES

- Background Thread Handling
- Automatic Marshalling Across Threads
- Progress Notification
- Error Handling
- Cancellation

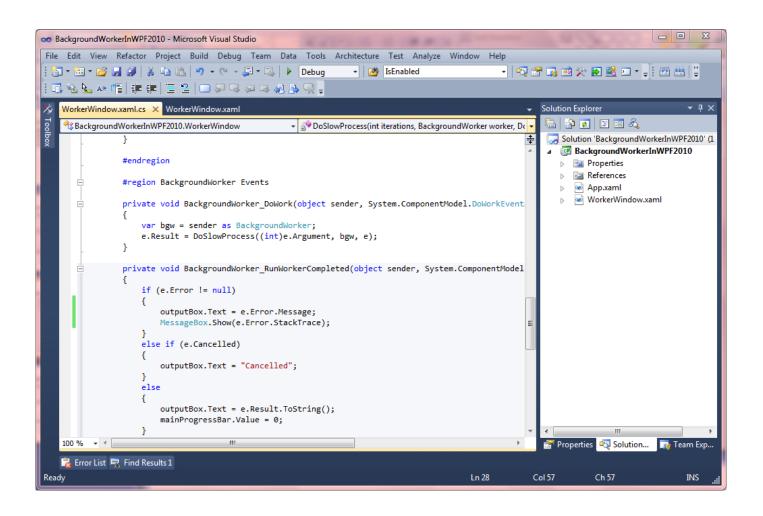
BACKGROUNDWORKER MEMBERS

- Methods
 - RunWorkerAsync
 - ReportProgress
 - CancelAsync
- Properties
 - WorkerReportsProgress
 - WorkerSupportsCancellation
 - CancellationPending
 - IsBusy
- Events
 - DoWork
 - RunWorkerCompleted
 - ProgressChanged

OVERALL WORKFLOW



LOOK AT THE CODE



RESOURCES

- Pro WPF in C# 2010 by Matthew MacDonald
 - http://www.apress.com/book/view/1430272058
 - Contains an overview of the BackgroundWorker and a WPF example (prime number calculation)
- MSDN BackgroundWorker Component
 - http://msdn.microsoft.com/en-us/library/c8dcext2.aspx
 - Contains an overview of the BackgroundWorker and a WinForms example (Fibonacci sequence)
- JeremyBytes
 - http://www.jeremybytes.com/Demos.aspx
 - Contains downloadable code and full walkthrough
 - Email: jeremy@jeremybytes.com