



# TOOLS OF THE TRADE

---

WHEN ALL YOU HAVE IS A HAMMER, EVERYTHING LOOKS LIKE A NAIL.



# DEVELOPER EXPECTATIONS?

---



- Gather Requirements
- Manage Source Control
- Write Code
- Write/Run/Automate Tests
- Go to meetings
- Design/Build Interfaces and graphics
- Design/Update Database Schema
- Import/Clean up data
- Go to meetings
- Setup/Deploy/Manage Servers
- Build a CI/CD Pipeline
- Analyze/Report on data
- Go to meetings
- Perform miracles

# PRODUCTIVITY TOOLS

---

- Note Taking

- OneNote
- Evernote
- Google Keep
- Notability (iOS only)

- Architecture/Design

- Visio
- Bubbl.us

- Project Management

- Azure DevOps / TFS
- Jira
- Rally
- Asana
- Basecamp
- Redmine
- Trello

- To Do List

- Todoist
- Omnifocus
- Microsoft To-Do
- Remember the Milk



# SOURCE CONTROL MANAGEMENT

---

- Providers

- GitHub
- Azure DevOps
- GitLab
- Bitbucket

- Git Tools

- GitHub App
- Posh Git
- SourceTree





# DEVELOPMENT TOOLS

---



- Editors
  - Visual Studio
  - Visual Studio Code
  - Notepad++
- .NET Playgrounds
  - Linqpad
  - RoslynPad
  - .NET Fiddle (online C#)
- Network/API Debuggers
  - Postman
  - Mockapi.io
  - Wireshark
  - Fiddler
- JavaScript Playgrounds
  - JSFiddle
  - CodePen
  - Plunker

# VISUAL STUDIO TIPS AND TRICKS



- 
- Keyboard Shortcuts
    - Trigger Intellisense - Ctrl+.
    - Quick Launch – Ctrl+Q
    - Go to Definition – F12, Ctrl+F12
    - Comment / Uncomment – Ctrl+K,C / Ctrl+K,U
    - Bookmarks – Ctrl+K,K / Ctrl+K,N
    - Search Solution Explorer – Ctrl+;
    - Go to All – Ctrl+, or Ctrl+T
    - Move lines – Alt+Up, Alt+Down
  - Code Snippets
  - Paste JSON as Classes
  - Block Editing
  - Clipboard Ring
  - Export / Import Breakpoints
  - Pinned / Preview Tabs
  - Code Cleanup
  - Solution Filters

# POSTMAN OVERVIEW

---



Collections

Workspaces

Environments

Variables

Tests

# LINQPAD OVERVIEW

---



- Expressions vs Statements vs Programs
- My Queries
- My Extensions
- Query Properties
  - References
  - Namespaces
  - App.Config
- Built-in Samples
- Debugging
- NuGet Packages
- Using the default Linq to SQL
- Using a custom DbContext



# VISUAL DESIGN TOOLS

---

- App Layout
  - JustInMind
  - Balsamiq
  - MockPlus
  - InVision
- Vector Graphics
  - Inkscape
  - Illustrator
- Raster Graphics
  - Gimp
  - Paint.NET
  - Photoshop
- Icons
  - Favicon.io
  - X-Icon Editor
- Colors
  - ColorZilla
  - Google Color Picker
- Sizing/Testing
  - Chrome Dev Tools(F12)
  - Window Resizer  
(chrome extension)



# THANK YOU

---

- Slides are available at [github.com/brentestewart](https://github.com/brentestewart)
- Follow me on Twitter [@brentestewart](https://twitter.com/brentestewart)