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# App Basics

|  |  |
| --- | --- |
| .Net 6 Install  1. Got to dotnet.microsoft.com/download 2. Click download 3. Select your OS Windows/Linux/macOS/Docker 4. Install SDK x64/x86  VisualStudio Code Install We’ll use VS Code as the code editor: <https://code.visualstudio.com/> | nodeJs Install  1. Go to <https://nodejs.org/en/> 2. Then other downloads 3. Select your OS 4. Either select the current version or select Node.js 16.13.0 from previous releases 5. Look into installing different versions of nodejs with NVM: <https://joachim8675309.medium.com/installing-node-js-with-nvm-4dc469c977d9> |
| Install Postman <https://www.postman.com/downloads/>  No need to create an account to use Postman. Towards the bottom there is skip link to skip login | Angular Install Installing it globally. Nodejs must be installed first   * npm uninstall -g @angular/cli * npm cache clean * npm install -g @angular/cli@13.0.2 |

|  |  |
| --- | --- |
| > dotnet --list-sdks | >dotnet --info |
| >node --version  v16.13.0 |
| >npm --version  8.1.3  **Alternate use nvm to install different versions of node**  <https://joachim8675309.medium.com/installing-node-js-with-nvm-4dc469c977d9> |
| >ng –version |

# Adding c# related extensions in VS Code

|  |  |
| --- | --- |
| 1. C# for Visual Studio Code (powered by OmniSharp) 2. C# Extensions by JosKreativ     adding nuget   1. vscode-nuget-package-manager | * After the reload you'll be shown some file missing popup - click yes. It will create .vscode folder. * If you miss this then do CTRL+SHIFT+P and type assets and click it to adding missing assets |

# Angular Extensions

|  |  |
| --- | --- |
| * Angular and then select Angular v7 Snippets by john papa * Angular Files 1.6.2 Alexander Ivanichev * Angular Language Service 0.1.10 by Angular * Angular2-switcher by infinity1207 * Auto Rename Tag 0.0.15 Jun Han | * Bracket Pair Colorizer CoenraadS * Debugger for Chrome Microsoft 4.11.0 * Material Icon Theme Philipp Kief 3.6.0 * Path Intellisense Christian Kohler 1.4.2 * Prettier - Code formatter Esben Petersen 1.6.1 * TSLint egamma 1.4.40 |

# Create Api and Angular Projects

* Create a base folder to house the projects and files

|  |  |
| --- | --- |
| WebApiCreate WebAPI Method 1 >dotnet new sln  Solution name the same as the container folder  >dotnet new webapi -o MSC.WebApi  Create a new project with name MCS.WebApi  >dotnet sln add MSC.WebApi  Add the project to the solution Create WebAPI Method 2 >dotnet new webapi -o MSC.WebApi -n MCS.WebApi Tidy up the Solution File > Preference > Settings and then type “Exclude”  Exclude Bin and obj folder by following the examples | AngularCreate the Anuglar app >ng new MySocialConnect-SPA  >ng serve to run Add resources bootstrap and font-awsome >npm install bootstrap font-awesome  go to angular.json, look at the Styles Array. it will be referencing "src/styles.css". Open this css file and import the bootstrap and font-awesome   * @import '../node\_modules/bootstrap/dist/css/bootstrap.min.css'; * @import '../node\_modules/font-awesome/css/font-awesome.min.css'; |

|  |  |
| --- | --- |
| App Features  1. Registration & Login with ASP.Net Identity 2. View list of members currently online 3. Like members and list 4. View members who liked them 5. Upload photo 6. Update member profile 7. Messaging (live chat) system to message member’s real time 8. Pagination 9. Caching | What we will be using?  * Entity Framework * HTML5 * Bootstrap * CSS * TypeScript * C# * NoSQL |

# Important Documents

1. [0002 VS Code DotNet Angular Commands.docx](0002%20VS%20Code%20DotNet%20Angular%20Commands.docx)