**FBOLinx.Web**

***Development Guidelines and Setup***

# Initial Setup

1. .NET Core 3.1+
   1. Download and install .NET Core 2.2 (or beyond)
      1. You can get it directly from: <https://dotnet.microsoft.com/download/dotnet-core/2.2>
2. Visual Studio
   1. Download and install EF Core Power Tools
      1. <https://marketplace.visualstudio.com/items?itemName=ErikEJ.EFCorePowerTools>
3. NSwag
   1. Download and install NSwag
      1. <https://github.com/RicoSuter/NSwag>
4. SQL Server Management Studio
   1. Downand and install the latest version of SSMS
      1. <https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver15>
5. VPN
   1. Ensure you are connected to the Degatech VPN. Please contact [ryan@fuelerlinx.com](mailto:ryan@fuelerlinx.com) if you have not been setup with credentials and a download link.

# General Information

Development Sprint

1. Each development sprint is two weeks long.
2. The sprint starts on a Wednesday with a Sprint Kickoff call for the team and ends on the Tuesday 13 days after the kickoff.
3. Every developer is expected to cover 8 “points” per sprint.
   1. A “point” in the sprint is used to measure the amount of work required for a task. This includes coding, testing, documentation, discussions, etc.
   2. Each “point” is worth roughly one work day.
   3. It is up to the developer to give an initial “point” estimate to the Project Manager during the Sprint Kickoff. This helps the Project Manager fill the sprint with the highest priority tasks and assign them properly.

Starting a Project/Task

1. All tasks will be assigned to the developer through ClickUp.
2. When starting a task, the developer should:
   1. Move the ClickUp task to “In Progress”.
   2. Create a new branch that stems from the last deploy (I.e. “deploy\_sprint\_92”). The new branch’s name should match the ID of your ClickUp task.
3. When a task is completed the developer should:
   1. Merge the branch into the “develop” branch. This will include the latest changes on the test environment.
      1. Check to make sure the “develop” branch isn’t locked from the previous deploy before doing so.
   2. Move the ClickUp task to “Completed” if the task is committed but not yet on the test environment.
   3. Move the ClickUp task to “In Review” once it’s built and on the test environment.
   4. Update the ClickUp task with comments and test instructions for the QA team. Add any important notes to the comment as well.