Development Platform  
**Language:** C#  
**Framework:** .Net Core 1.1  
**IDE:** Visual Studio 2015+  
**Server Platform**: Docker  
**SQL:** MSSQL 2016

# DevOps Methodology

Continuous Delivery

* Continuous Integration
* Automated acceptance testing
* Code health reviewed regularly
* Automated releases to Sandbox

Team Membership  
Nathan Clinton – Project Lead & Developer  
Duane Brown – CEDS Expert

Source Control  
A new repository from the [A4L GitHub account](https://github.com/Access4Learning) will be created.

Branching  
We will follow the [GitFlow branching methodology](http://nvie.com/posts/a-successful-git-branching-model/).

# Build Server

Jenkins  
Team City

Work Tracking  
GitHub issue tracking will be used to manage work items, enhancement requests, and defects.

Work is considered “done” when it is up in the sandbox environment and all unit and automated acceptance testing passes successfully.

# Testing

Unit tests using .Net Unit Testing Framework

Automated Acceptance (Integration/API) testing using .Net Unit Testing Framework

Postman tests will be created to assist with debugging

# Sandbox Environment

Since this is an open source tool, not a product, our “production” environment will be a Sandbox area that users can interact with. This environment is where all final acceptance testing will be performed.

# Developer Hub

GitHub Pages

# Logging

Microsoft Extensions