# Registry Development Stack

Compiler:

Visual Studio 2013.

Web application frameworks:

ASP.NET/MVC5

WebEssential Extension

Boostrap 3 extension for View pagination feel and look on multiple devices. Help to avert css

JQuery vxxx extension

angularJS 1.3 Extension

Razor syntax for Html generation

Database technology:

Entity framework EF6

Authentication technology:

Owin. Allow fully featured sign-on. Decouple server from application

Testing Tools:

NuGet Package - Glimpse for MSVC5 on client project

NuGet Package: glimpse for EF6

Unit testing:

Jasmine

Karma

Deployment:

Azure

Source control:

Git

Project Design

Database:

Enable Code first Migration

console cmd:

enable-migrations –EnableAutomaticMigrations (-ContextTypeName <dbconextname>)

add-migration <name> (use ‘Initial’ for first) creates an incremental migration file

update-database –force or –script for schema changes

update-database -script -TargetMigration $InitialDatabase (restore to original database)

Use Repository Pattern for CRUD operation (isolate SQL for better unit testing)

Authentication / Sign-in

* Individual Accounts
* Email confirmation
* 3rd party social media sign-in