

Vehicle Maintenance Application for Jackson Energy Authority

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Introduction

Web Application

.NET Framework

Azure

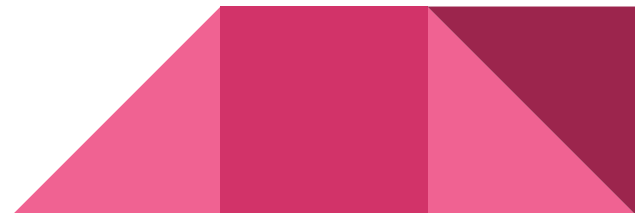
Four Questions

How?

Why?

Web App

Languages



How was it created?

Visual Studio

2015 Community

Everything Needed

IDE for language

SQL Access

Azure

Take from local to live

Monitor requests



Why the languages?

C#

.NET company

Secure

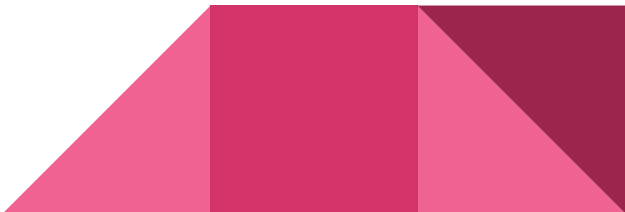
Javascript

Interactive

Up-to-date

SQL

Store/retrieve information



Why a web application?

Growing in popularity

Social Media

Utilities

Cross Platform

Adaptable to any device

Same experience

Easy Maneuverability

Options are open



Why Azure?

Easy statistical analysis

Dashboard Details

Live access

Database constantly active

Cross Platform

PC to phone to tablet



Features

User System

Vehicle “Storage”

Account Editing



User System

Basic Users

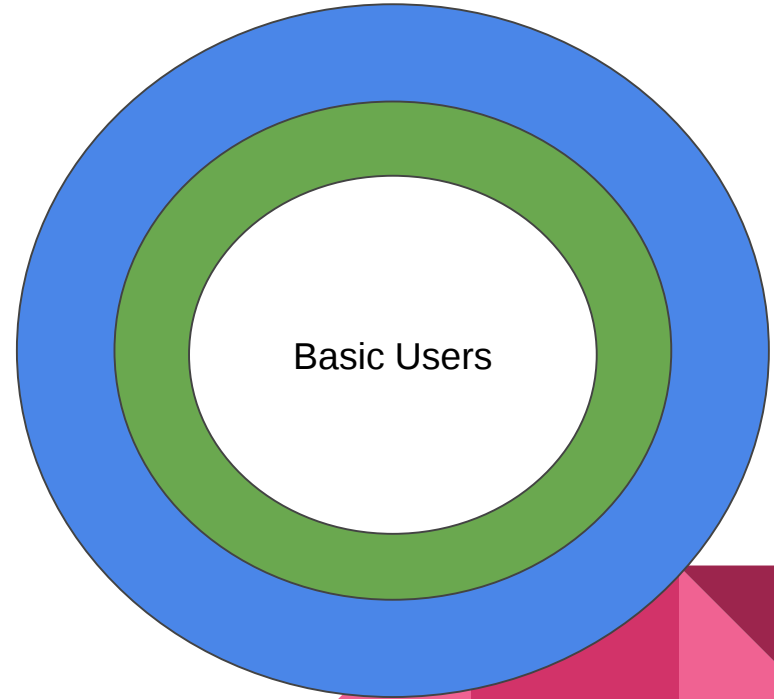
Able to create tickets and vehicles

Mechanics

Edit tickets and complete the tickets

Administrators

Full scope of entire application



Demo

<http://vehiclemaintenance.azurewebsites.net/>



Reflections

Experience

.NET framework

“Step into shoes”

Troubleshooting

Questions?

Gratitude

JEA

UU CSC



Sources

<https://azure.microsoft.com/en-us/documentation/articles/web-sites-dotnet-deploy-aspnet-mvc-app-membership-oauth-sql-database/>

<https://azure.microsoft.com/en-us/documentation/articles/web-sites-dotnet-deploy-aspnet-webforms-app-membership-oauth-sql-database/>

<https://support.microsoft.com/en-us/kb/301240>

<http://stackoverflow.com/questions/14113877/how-to-create-user-authentication-in-net-web-application>

<http://www.asp.net/mvc/overview/security/create-an-aspnet-mvc-5-web-app-with-email-confirmation-and-password-reset>

<http://www.dotnet-tricks.com/Tutorial/mvc/G54G220114-Custom-Authentication-and-Authorization-in-ASP.NET-MVC.html>

<http://www.c-sharpcorner.com/UploadFile/b696c4/how-to-upload-and-display-image-in-mvc/>

