Jami Deghand

Full-Stack Web Developer

Reservation System-Furry Fotos, Inc.

fsdp.www.jlynncodes.com

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About Me

Before deciding to become a web developer, my first initial passion was in teaching, however, after working in education for many years, I decided to move away from teaching. I worked odd jobs, while searching for my next passion. Luckily, I was able to find it here at Centriq! I love the excitement of pushing CTRL + F5 and awaiting the magic that I have just coded. I found that the hardest part learning web development is seeing the big picture and wireframing the logic of the application. However, that being a struggle now I can image how that will be less of a struggle once I gain more experience with coding.

My favorite part of the track was learning the front-end stylings because I could create something that visually stimulating to look at and as an end user myself I could add preferred functionality. I chose the reservation system for my final project because I could incorporate my passion for photography, pets, and now web development to create a data-driven website for Furry Fotos, Inc.

About the Project

Mission

Furry Fotos Inc. is a chain of studios that provides everlasting memories for the "Furry" members of your family.

Target Audience

- Administration
- Customers
- Photographers

Strategic Objectives

Furry Fotos, Inc. has multiples studios throughout the Kansas City area. A reservation system is needed that will allow customers to add pets to their account and then schedule those pets for a photography session. However, if the studio session limit has been reached customers will receive an error message. Administrators however, can override the limit to create additional reservations for that day.

User Capabilities

All users have the capability to register an account with their first name, last name, phone numbers, email and create and confirm a password. CRUD functionality, Views and User Interface are based on the access level of the account. (See attached diagrams)

Branding

Furry Fotos, Inc. is open to any branding and template options available.
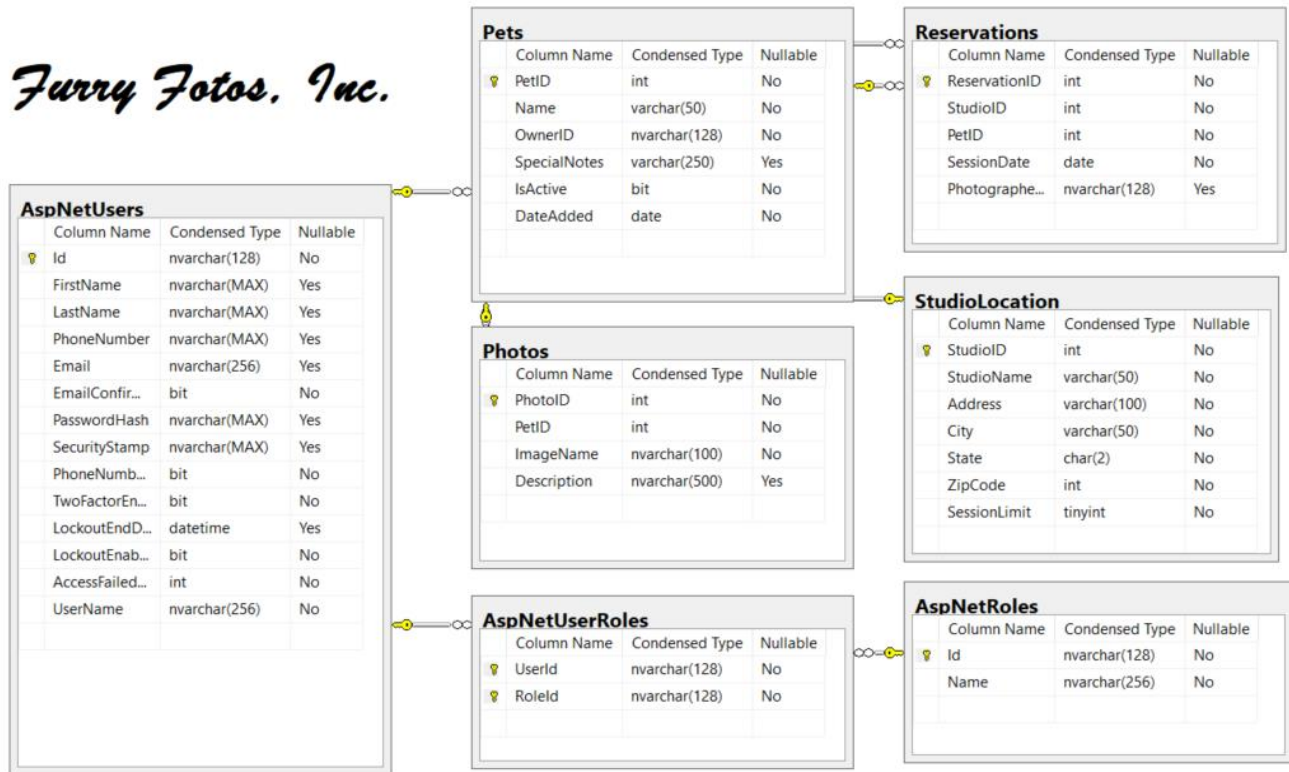
Programming Objectives

Ease of use and eye appealing on their mobile devices is a must.

Owners first name, last name and phone number should be stored in the AspNetUsers table and able to be accessed through the Identity User object.
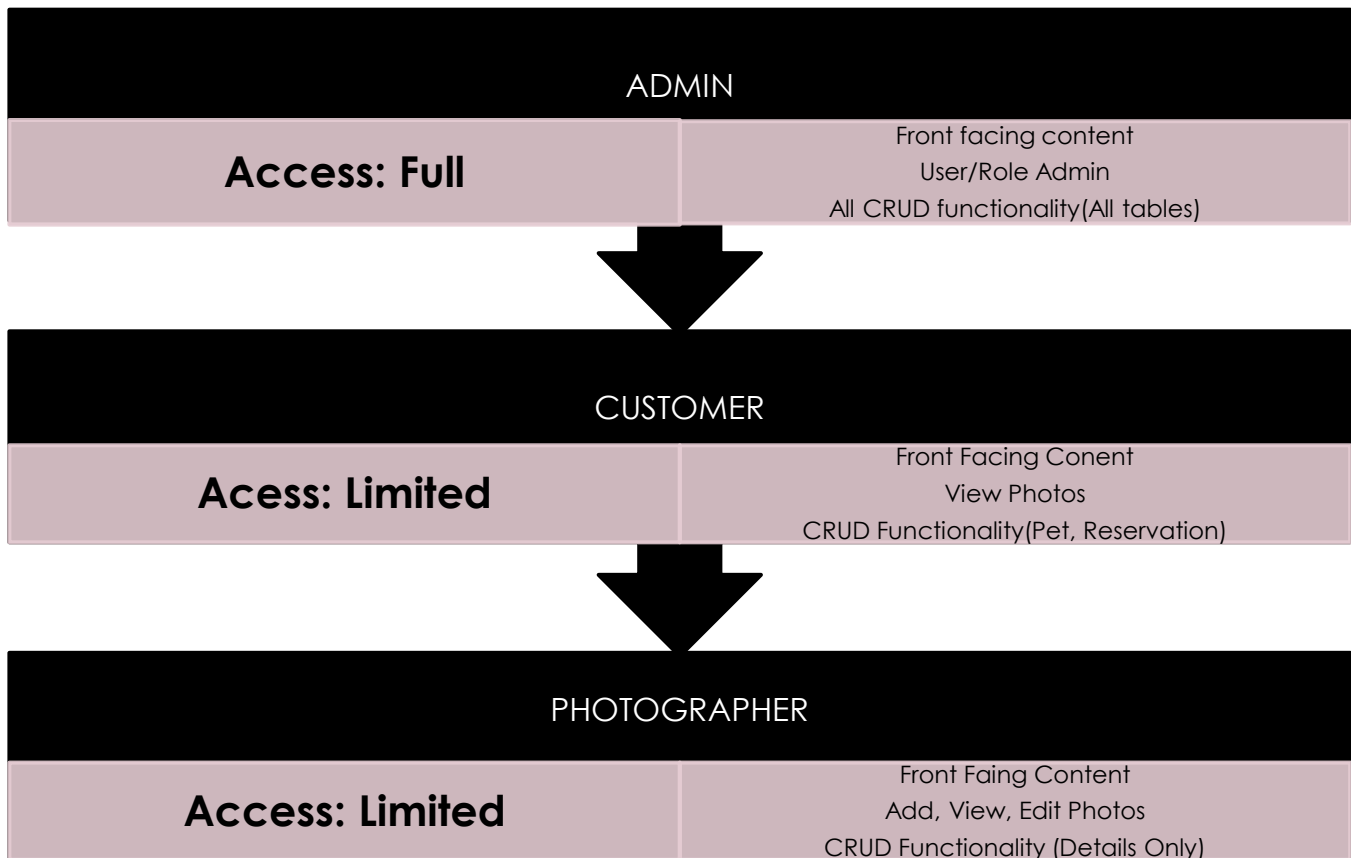
Employees should be able to see a report of all reservations for that day by location but not make modifications.

DateAdded should be populated automatically.

Furry Fotos, Inc.

AspNetUsers

Column Name	Condensed Type	Nullable
Id	nvarchar(128)	No
FirstName	nvarchar(MAX)	Yes
LastName	nvarchar(MAX)	Yes
PhoneNumber	nvarchar(MAX)	Yes
Email	nvarchar(256)	Yes
EmailConfir...	bit	No
PasswordHash	nvarchar(MAX)	Yes
SecurityStamp	nvarchar(MAX)	Yes
PhoneNumb...	bit	No
TwoFactorEn...	bit	No
LockoutEndD...	datetime	Yes
LockoutEnab...	bit	No
AccessFailed...	int	No
UserName	nvarchar(256)	No

Pets

Column Name	Condensed Type	Nullable
PetID	int	No
Name	varchar(50)	No
OwnerID	nvarchar(128)	No
SpecialNotes	varchar(250)	Yes
IsActive	bit	No
DateAdded	date	No

Reservations

Column Name	Condensed Type	Nullable
ReservationID	int	No
StudioID	int	No
PetID	int	No
SessionDate	date	No
Photographe...	nvarchar(128)	Yes

Photos

Column Name	Condensed Type	Nullable
PhotoID	int	No
PetID	int	No
ImageName	nvarchar(100)	No
Description	nvarchar(500)	Yes

StudioLocation

Column Name	Condensed Type	Nullable
StudioID	int	No
StudioName	varchar(50)	No
Address	varchar(100)	No
City	varchar(50)	No
State	char(2)	No
ZipCode	int	No
SessionLimit	tinyint	No

AspNetUserRoles

Column Name	Condensed Type	Nullable
UserId	nvarchar(128)	No
RoleId	nvarchar(128)	No

AspNetRoles

Column Name	Condensed Type	Nullable
Id	nvarchar(128)	No
Name	nvarchar(256)	No

Front facing content = Home, About, Gallery, Contact, Studios

ADMIN

Access: Full	Front facing content User/Role Admin All CRUD functionality(All tables)

CUSTOMER

Acess: Limited	Front Facing Conent View Photos CRUD Functionality(Pet, Reservation)

PHOTOGRAPHER

Access: Limited	Front Faing Content Add, View, Edit Photos CRUD Functionality (Details Only)

```html
<div id="accordion">
    <h3>TEAM</h3>
    <div>
        <ul>
            <li>Trello Board</li>
            <li>Source Control</li>
            <li>Two-Tier Project Setup</li>
            <li>Two Week Sprint</li>
        </ul>
    </div>
    <h3>FED</h3>
    <div>
        <ul>
            <li>Template Integration</li>
            <li>Implementation of JS/jQ</li>
            <li>Use of Favicon</li>

        </ul>
    </div>
    <h3>MVC</h3>
    <div>
        <ul>
            <li>Shared Layout Integration</li>
            <li>View Customization </li>
            <li>Email Capabilities</li>
            <li>File/Image Upload Capabilities</li>
            <li>Utilization of Partial Views</li>
        </ul>
    </div>
    <h3>DATA</h3>
    <div>
        <ul>
            <li>Database Creation</li>
            <li>EDMX Generated</li>
            <li>Metadata Classes</li>
            <li>Controller and View Scaffolding</li>
            <li>Integration of Identity</li>
            <li>Securing Views</li>
            <li>CRUD functionality</li>
        </ul>
    </div>
</div>
```

```css
#FAQ span {
    color: maroon;
    font-weight: 400;
    font-size: 26px;
    font-family: 'Shadows Into Light','Agency FB';
}

.ui-accordion {
    font-size: 30px;
    font-family: 'Shadows Into Light','Agency FB';
    background-color: maroon;
    padding-top: 2em;
}

.ui-accordion-header {
    border: 2px solid black;
    background-color: gray;
}
```

```csharp
// POST: Reservations/Create
 [HttpPost]
 [ValidateAntiForgeryToken]
 public ActionResult Create([Bind(Include =
     "ReservationID,StudioID,PetID,SessionDate,
     PhotographerID")]
        Reservation reservation)
{
//Assign User to User ID
 string thisUsersID = User.Identity.GetUserId();

 if (ModelState.IsValid)
  {
//Collect data of sessions and session date
    int countDates = db.Reservations.Where(x =>
    x.SessionDate == reservation.SessionDate &&
    x.StudioID == reservation.StudioID).Count();

//Vary access defined by role
 if (User.IsInRole("Admin"))
   {
     db.Reservations.Add(reservation);
     db.SaveChanges();
     return RedirectToAction("Index");
   }

 if (User.IsInRole("Customer"))
   {
       StudioLocation s = db.StudioLocations.Where
      (sl => sl.StudioID ==
       reservation.StudioID).FirstOrDefault();
   }

 if (countDates < s.SessionLimit)
   {
       db.Reservations.Add(reservation);
       db.SaveChanges();
       return RedirectToAction("Index");
   }
  else
   {
       ViewBag.Message = "The Studio has reached
       it's session limit for the selected date.";
   }
 }
    --------------------------------------------------------------------
public ActionResult Index()
 {
   if (User.IsInRole("Admin"))
     {
       return View(db.Pets.ToList());
     }
  else
     {
       string thisUsersID = User.Identity.GetUserId();
       var userEntry = db.Pets.Where(o => o.OwnerID ==
       thisUsersID);
       return View(userEntry.ToList());
     }
  }
```
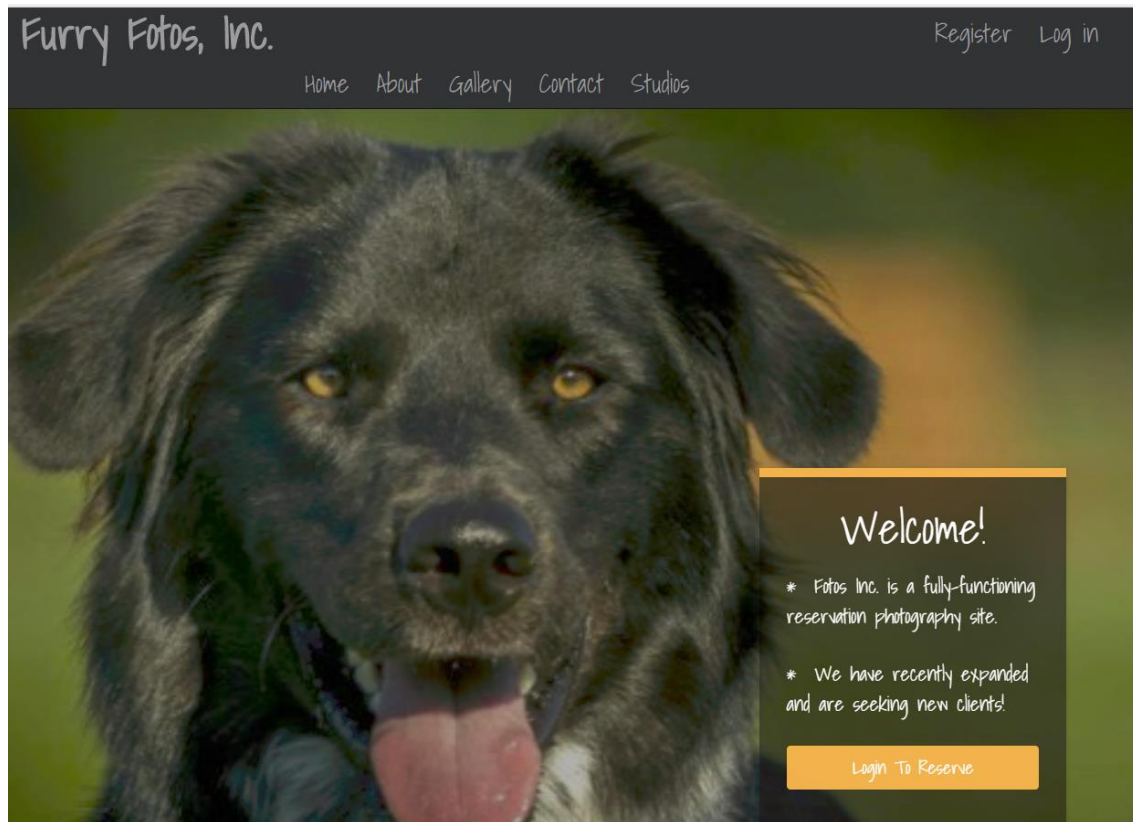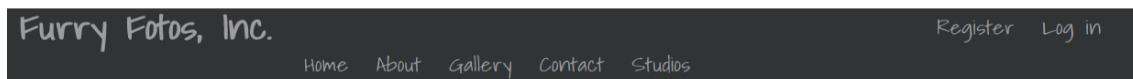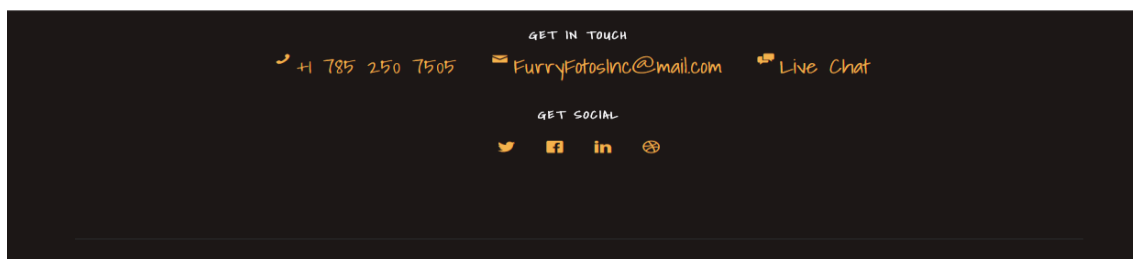
Home Page of Furry Fotos, Inc.

When an email is sent it returns a contact confirmation page that contains a coupon to use towards the first photos session. (Although this is not a scannable code, it is to serve as such. Google Fonts – Libre Barcode 128 Text)
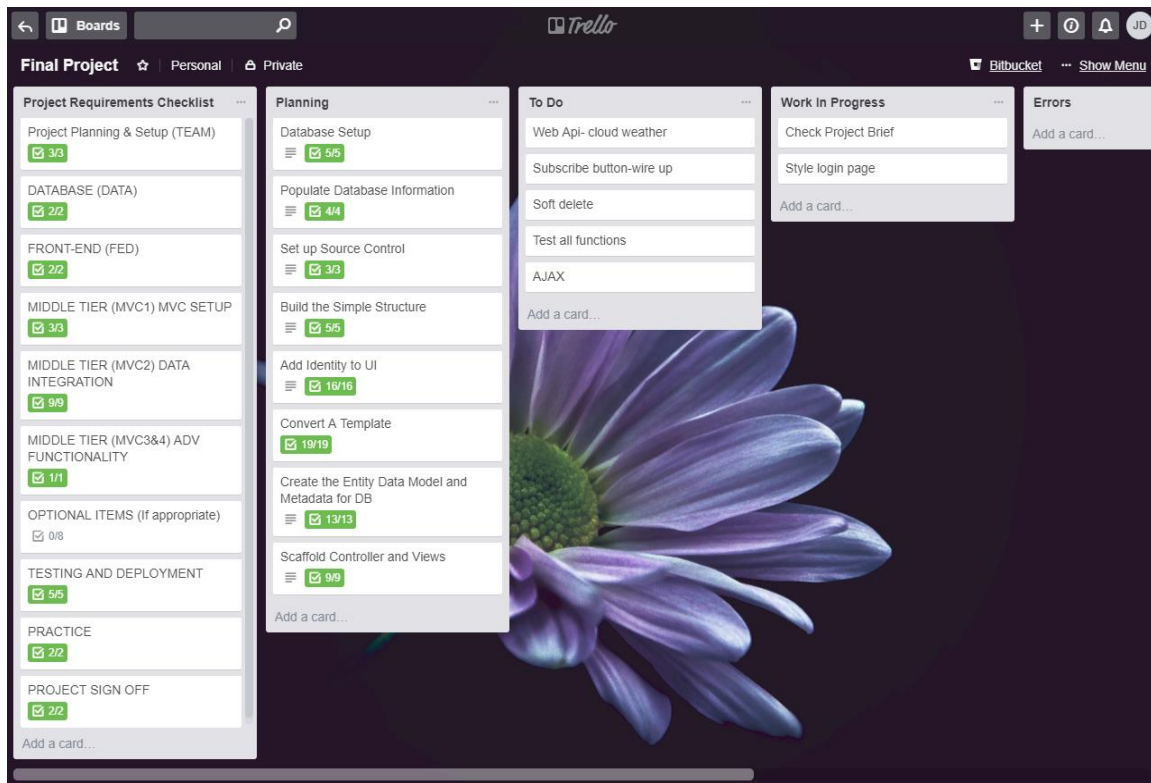
My Trello board allowed for me to keep organized with the project requirements, the plan for the sequential order in which each step needed to be completed, to keep track of errors, and completed tasks to keep the pace of the sprint to reach the project deadline on time.
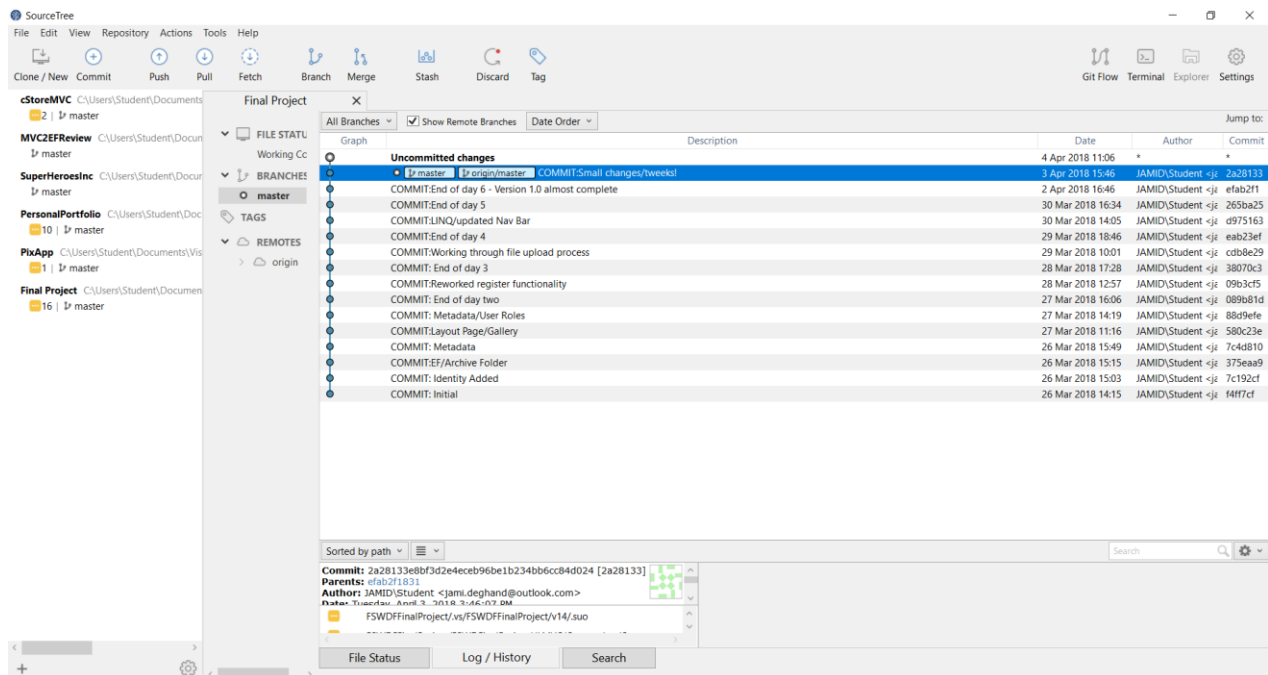
Source Control helped to commit and push throughout the project so all of my hard work was not lost in case of an emergency.

Jami Deghand

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LinkedIn/JLynnCodes

FULL-STACK DEVELOPER

http://www.jlynncodes.com

QUALIFICATIONS

- Solid foundational knowledge of designing and developing full-stack web applications using .NET framework.
- Extensive planning and coordinating background with excellent verbal and written communications.
- Social perceptiveness and awareness, ability to adapt to current environment, proficient in Spanish.
- Lifelong learner and interested in continued education on a personal and professional level.

TECHNICAL SKILLS

Front End: HTML5, JavaScript, jQuery, jQueryUI, CSS3, Responsive/Mobile Web Development, Bootstrap

Middle Tier: Visual Studio, C#.NET, ASP.NET, LINQ, MVC, EF

Back End: ADO.NET, SQL, SQL Server, SSMSE

INDEPENDENT DEVELOPMENT PROJECTS

- **Personal Website:** http://www.jlynncodes.com
- **U Store**: Created a secure application for managing product data. Application is built to simulate an online store front with a shopping cart. Administrators have the ability to manage product, category and vendor data.
- **Final Project**: Created a secure data-driven ASP.NET MVC application from design through deployment for managing the tracking and organization of hardware and software within a company. Administrators have the ability to manage employee, department data and all details relating to assigned hardware and software.

TECHNICAL TRAINING

Centriq Training, Leawood, KS   **12/2017 – 04/2018**

Full-Stack Web Developer Program

Core Competencies:

Website Deployment, Pair Programming, Code Review, MVC Framework, Trouble Shooting & Debugging, Source Control, Agile/Scrum, Professionalism, Teamwork, Problem Solving & Effective Communication

EDUCATION

Emporia State University   **2010**
Masters, Administration

Ottawa University   **2009**
Bachelors, Education

EXPERIENCE

JC Penney's Portrait Studio, Topeka, KS & Overland Park, KS   **2015-2017**
Sales Associate/Photographer

- Created memorable photographs and customizations.
- Provided customer service in person and on the phone.
- Problem solved customer complaints and concerns.
- Multi-tasked to run a studio independently and with a team in multiple studios.

KVC Health Systems, Topeka, KS   **2016-2017**
Case Coordinator

- Coordinated and transported interested parties for scheduled visitation.
- Participated meetings to best align care between the agency and the community.
- Attended court proceedings, documented all interactions and kept organized, updated files.

International Experience, Puerto Vallarta, MX   **2013-2015**

- Assimilated into a new culture.
- Learned proficient Spanish.
- Volunteered for various animal rescue groups.
- Taught and worked with children.
- Participated in community projects.

USD 501, Topeka, KS   **2010-2013**
Teacher/Teacher Substitute

- Instructed and implemented curriculum and behavior management plans.
- Kept adequate records, completed tasks outside of work time.
- Collaborated with grade level teams and reflected upon best practices.

VOLUNTEER

CoderDojo   **2018**
- Assist children ages 7-17 in learning to code in coordination with Kansas City Women in Technology.