**Pizza Place Project Documentation**

**ASP.Net Lab 1**

**Project Purpose**

The project will enable the customers of Pizza Place to place their orders online. It will be used as an alternative ordering method and may decrease the need for staff members to constantly operate the phone lines. The software will make it easier for customers to quickly order a pizza.

**Project Scope**

Pizza Place will begin taking orders online from customers on October 5, 2015. A website running on ASP.Net will capture user data, validate it and then store the data in a SQL Server 2012 database. The form will allow customers to order multiple pizzas that have 10 optional toppings and 3 sizes. Users will be able to see how long until their pizza is either delivered or is ready for pick up as well as get the total price.

**Stakeholders**

* Y different when it comes to technical ability. They will still have the option of ordering over the phone.
* Customer’s goal is to quickly order a pizza.

Users: Pizza Place Employees

* These users will need enough information from the customers to make the correct pizza and delivery it to the customers

**Timeline**

10 day timeline

* Day 1: Write Project Document, Project Scope, Needs Assessment, Screen Mock-ups, UML diagram with screen mockups, Database Diagram
* Day 2: Get Approval, set up project environment
* Day 3: Code Objects in ASP .NET C#
* Day 4: Connect Database, Use Entity Framework to make database
* Day 5: Make website forms, validation
* Day 6: Get data displaying on all pages, validation
* Day 7&8: Get image for header, make navigation, layout pages, add colors
* Day 9: Debug and perfect
* Day 10: Final Documentation

**Needs Assessment**

* Needs
  + A method of storing customer data
    - This will be a database platform
  + A form that takes customer information on the site
    - Necessary information:
      * Pizza Size
      * Three Options
      * How many Pizzas
      * What toppings will got on each pizza
      * Pick up or delivery for order
      * Time for completion
      * Total cost
      * Calculate cost
    - Web form must be validated and information must be secured
  + Information collected must be stored
  + Display the information back to the user and validate their order has been made
* Wants
  + User log-in and authentication
    - Show a list of past ordered pizzas for the user
  + Admin section for adding new sizes and topping options
  + Requests and Reviews section
* Dreams
  + Quick order option for users to be able to reorder past orders
  + Tracking the pizza if it is being delivered

**Interface Requirements**

* Must use colors and branding from Pizza Place
* Must be mobile friendly
* Must use forms to obtain user data
  + Forms must be validated and users must receive feedback if entered values are incorrect
* Must display the information back to the customer for each order
* Must provide feedback so the customer knows order was processes

**Technical Requirements**

* System must be built with ASP.NET
* System must contain database management system
  + SQL Server will be used
* System must process moderate amounts of data from the web
* System must have server side validation

**Cost Break Down**

|  |  |  |
| --- | --- | --- |
| **Labor Costs** | | |
| .NET Developer Hourly Rate | | 31.09 |
| **Day** | **Number Of Hours** | **Cost** |
| Day 1 | 6 | 186.54 |
| Day 2 | 4 | 124.36 |
| Day 3 | 6 | 186.54 |
| Day 4 | 4 | 124.36 |
| Day 5 | 8 | 248.72 |
| Day 6 | 8 | 248.72 |
| Day 7 | 3 | 93.27 |
| Day 8 | 3 | 93.27 |
| Day 9 | 4 | 124.36 |
| Day 10 | 6 | 186.54 |
|  | Total Labor Cost | 1616.68 |
|  |  |  |
| Technology Costs | |  |
| **Product** | **Cost** |  |
| SQL Server 2014 | 3189 |  |
| Arvixe Web Hosting | 5 |  |
| PersonalClass ASP |  |  |
| (Per Month) |  |  |
| Total Technology Cost | 3194 |  |
|  |  |  |
| **Total Cost:** | **4810.68** |  |

**Change Log**

* Merged Client Table with Orders Table
  + Client Data at this time is dependent on the Order Id because clients cannot log in
* Change relations from Orders to Pizza from many-to-any to one-to-many
  + There are no pre-set pizzas, only custom build pizzas for every order
  + This removed join table PizzaOrders
* Order of screens changed to Create Order 🡪 Create Pizza 🡪 Display
  + Creating the Order first allows for Each Pizza to be associated with that Order
* Design Change to header below navigation bar
  + This keeps navigation at the top and always vis
* Removed About Page
  + It was unnecessary and only added extra clutter to the website
* Added Time to Create Field to orders and DeliveryTime to deliveries