

## **NPower**

### **Winter 2018 Coding Class Project Description**

**Class Period:** September – December 2018

**Project Due Date:** November 20, 2018

**Project Name:** Independent Christian Missionary Church (ICMC)

**Developer:** Chaurcey Boyd, chaurcey@chaurceyboyd.com, 903-280-5439

#### **About Developer:**

- US Army Retiree With 20 Years of Service
  - First 3 years as an Administrative Specialist
  - Last 17 Years as a Computer Programmer/Information Systems Chief
- Experienced in Project Management, Systems Analysis and Design and Programming
- Experienced primarily in Desktop Environment using Microsoft Access, Visual BASIC .Net, C++, and Assembler Language
- Goal with NPower is to obtain training in Web Technology to pursue ample employment to combine with my Christian Minister community service
- I believe NPower professional staff has satisfied that my training needs

#### **Project Description Summary:**

- This project is to build a prototype website for a prototype church.
- As a Christian Minister I have strong interest in promoting salvation and godly living in all areas of life in, by, and through Jesus Christ. Consequently, I chose a prototype church as my project.
- The church and site are named Independent Christian Missionary Church, abbreviated ICMC.
- The site describes the vision, mission, ministries, key scriptures, articles of faith, recognized Christian symbols, services, leadership, location, contact, and food pantry components of the church. The food pantry component allows individuals to view offerings and order online for pickup. Most items are free; but, a few items have a nominal donation request for those able to pay. Due to the small donation request, payment is collected at pickup rather than using an online payment system.
- Design/Tools-Used:
  - No Templates Used
  - Hand coded using Brackets Code Editor
  - Used Internet for research
  - Generally responsive using positioning/sizing as percentages instead of px
  - Main Menu uses absolute and relative positioning

#### **Pictures/Graphics and Video Sources:**

- Picture/Graphics: Personal Photos, and pixabay.com
- Videos Source: vimeo.com
- Pixabay pictures/graphics are free for personal and commercial use with no attribution required.

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- Vimeo videos are free for personal use with attribution required
- Vimeo videos are free for commercial use for nonprofits, artist, and small independent production companies to showcase their work with attribution. ICMC qualifies as churches are by default nonprofits and site is a showcase of work.

### Technologies Used:

- HTML/CSS: Basic presentation and formatting of content
- JavaScript: Selection of videos, calculation of an order total cost, and expected availability date, mobilizing certain objects
- jQuery: Carousel/Slider on Home Page, Tabs on About-General Info Page, Date Picker for appointment setting on Contacts Page
- PHP: Sending of email from contacts page; processing of order from food pantry details page
- MySQL: Capturing and order and storing order in MySQL database from food pantry details page

### Web Pages: 24 Total Pages

- **Home Page**
  - Carousel, Slider of Pictures
  - Intro to Senior Minister
  - Rotatable Videos using JavaScript onclick event
  - Church Location Info and Map
  - Church Services Schedule
- **About Pages (Submenus)**
  - General Info (Vision, Mission, Ministries, Key Scriptures) – Uses Tabs and Image Array
  - Articles of Faith
  - Recognized Christian Symbols
- **Leadership**
  - Photos and Description of Key Church Leaders
  - All except for Senior Minister are sample only
- **Food Pantry Gallery Main Pages (Submenus)**
  - Fruits (6 Items with Photos)
  - Vegetables and Other (6 Items with Photo – 2 items have a cost)
  - Pictures and More Info takes user to the Food Pantry Detail Page for that item.
  - Pictures uses image transparency on mouse hover
- **Food Pantry Detail Pages**
  - Contains key nutrition information for the item
  - Contains a link to more detailed nutrition information
  - Contains a link to order the item
- **Food Pantry Order Page**
  - Receives Item ID for the selected item from Food Pantry Details Page
  - Connect to MySQL database to select/retrieve info on desired item based on Item Id
  - Auto fills information such as item name, item unit cost, calculated normal delivery date based on order date and type of item as some items are available in 1 day but others up to three days

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- For items with a cost calculates total cost based on quantity ordered.
- **Food Pantry Store Order Page**
  - Receives Order information and stores it in MySQL orders table
  - Displays message summarizes the order including cost if any and pickup schedule
- **Contact Form Page** (Emails contact info and message to church staff for processing)
- **Other Info Page**
  - Accessible from footer
  - Terms of Use
  - Contains link to this document, bibliography, external links, etc.
- **Footer**
  - Explains site is a prototype site
  - Links to Home Page, Contacts Page, Social Media, and Other Info Page
- **Sitemap** (sitemap.xml)