
United Way Community Resources Final Presentation



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CSCI 340: Database and Web Systems



Overview

Mission/Project Goals

- Revamp United Way's Community Resource pages
 - Make resources more accessible for community members
 - Limited access to computers
 - Low literacy levels
 - Non-English speakers
 - Give United Way staff an easier way to update resources



Meetings with Partner

- Simple to navigate for community members
- Simple to update for United Way staff
- Language Translator
- Web Counter
- Pictures instead of text
- Mobile Friendly



Data Model Developed

- Initial & Final Database Schema
 - Tables:
 - Organizations
 - Later added column to represent when an organization was last updated
 - Contacts
 - Resources
 - Times
 - This changed to a one to many relationship
- We stuck to the same db schema but adapted our times table as we learned more about databases



Platform Chosen - ASP.NET

- Requirements for use
 - Best to not have a mac :-)
 - Compatibility issues
 - Knowledge of C#
- Strengths for this project
 - Simple to learn and use
 - Lots of tutorials
 - $\frac{3}{4}$ of our class used it



Live Demo

User Use Case

- What do they want?
 - Spanish speaker needing food between 5:30 PM and 9:00 PM
- What do they do?
 - Click translation button
 - Click food
 - Filter on available times
 - Click filter
- How do they know when they succeed?
 - The available organizations will appear.
 - Click details



User Use Case

- What do they want?
 - Mobile user needing Rent/Utility assistance on Thursday the 17th
- What do they do?
 - Click Rent/Utilities
 - Click the desired date
 - Click filter
- How do they know when they succeed?
 - The available organizations appear
 - Click details



Admin Use Case

- What do they want?
 - Add “Databases Team” to the database
 - Hours: 8:00 AM - 3:00 PM every 3rd Tuesday
 - Resources: Education, Creating Databases
 - email: coolteam@gmail.com; phone: (870)521-807
- What do they do?
 - Login
 - Click “Create New Organization”
- How do they know when they succeed?
 - They will be redirected to the Admin page with their new organization



Admin Use Case

- What do they want?
 - Edit “Databases Team”
 - Add Hours: 2:00 PM - 3:00 PM every Thursday
 - Change email: bestteam@gmail.com
- What do they do?
 - Filter for “Databases”
 - Click “Hours”
 - Click “Add Times”
 - Click “Contacts”
- How do they know when they succeed?
 - Go to the “Details” Page



Admin Use Case

- What do they want?
 - Delete “Databases Team” from the database
- What do they do?
 - Login
 - Filter for “Databases Team”
 - Click “Delete”
- How do they know when they succeed?
 - They will be redirected to the Admin page without this organization



Evaluation

Success

- What was easiest to implement?
 - Filtering on names
 - Inputting things to the database
- What elements make you most proud
 - Routing
 - Filtering on times and dates
 - Header/footer



Struggles

- What do you wish was easier to implement?
 - Creating and updating information for related tables
 - Passing information for filtering through routing
 - The website's header for consistency
- What do you wish would have worked better?
 - HTML/CSS consistency across browsers and operating systems
 - Adding and updating organizations



Future Work

- Remaining work
 - Add other organizations to the database
 - Implement map features
 - Implement images of organizations
 - Authentication page for organization updates



Future Work

- Pathway to deployment
 - Send to OneEach partners
- Maintenance needed
 - Add, Update, and Delete Organization information as needed
 - Various styling changes
 - Calendar
 - Standardize times



Thank You

Questions?