Supplementary Database Web Application

Project Presentation and Demo
Team Introduction

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Shared Science

Shared Science is a non-profit organization that provides STEM-focused educational programs within Long Beach and surrounding vicinities for children in K-12 grade levels

Mission: “to build on children’s science, technology, engineering, and mathematics learning experiences through constructive, creative, and playful programs, while fostering learning communities.”
Issue

Active Network Database

Data Management

Customer Communication
Request

Create a more interactive database
  Must include customizable report generator
  Provide logins and interfaces for different user types
Create a new blast email platform
  Must support “unlimited” contact inclusion
Plan

- Develop a database web application
- Data manager oriented for back-end duties
- Fully functional report generator
- Blast email capability
- Separate login interfaces
- Refined payment/registration portal
Scope Reduction

Active Network and restrictions on exporting data

- Led to implementation of CSV Importer
- Removal of payment/registration component from scope

Pre-development tool configuration

- Removal of separate interface development from scope
New Plan

Develop a database web application
Data manager oriented for back-end duties
Fully functional report generator
Blast email capability
Separate login interfaces
Refined payment/registration portal
System Vision

Human interactions

System vision elements:

- New system scope
- Existing / supporting system elements

WordPress: Front End Website
- Register students
- Pay
- Easy to use?
- Trustworthy?
- Looks good?

Active: Back End System
- Register students
- Export/Get data
- Get/set data
- Request reports
- Create contacts
- Link to

Shared Science: Creative Kids Engineering Fun
Integrated Features

Resource Interface
CSV Data Importer
Report Generator
Blast Email Platform
Resource Interface

Create a more interactive database
  Must include customizable report generator
  Provide logins and interfaces for different user types
Create a new blast email platform
  Must support “unlimited” contact inclusion
CSV Importer

Uses a CSV file generated by Active Network’s database
Reads entries from file and queries the new database to add or update fields
Report Generator

Can customize reports to group data based off of the user’s interest

Allows user to save a generated report for later reference
Blast Email

Supports capability to send emails to numerous recipients at once

Can import email addresses from contacts in new database
We hope you will enjoy your new database!

Best of luck to your organization!