Demo Survey - Project Overview

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## Objective

Purpose of the project is to create a publicly available survey application, with administrative controls available for a select group of users.

## Environment

* Applications and related database objects will be on the workspace AV\_DEV on apex.oracle.com
* A custom subdomain, apex.mdwboyd.com, will be the distribution method for accessing the survey and administrative controls
* A custom email address will be created off the subdomain to allow email capability if needed

## Requirements

* Survey page doesn’t require a login
* Application to manage survey questions requires a login
* Administrative application allows these functions
  + Change question order
  + Change question text
  + Add choices to the color question
  + Add new questions
* Survey page links
  + To the administrative application
  + To the host workspace
  + To reset the survey page
* Survey page functionality
  + Survey questions to fill in.
    - Validation? If color question is not filled in, prompt for response
  + When survey is submitted, display the submitted response text, and a chart with number of survey responses broken down by question.
  + Survey does not need to accommodate conditional questions for this project
* Database access
  + Workspace owner has full administrative control
  + Guest workspace user has developer access
  + Guest developer can
    - CRU but not delete on records.
    - CR only on history table. Do not want updates to the history records

## Project Tasks

**Design**

* Survey questions and features
* Survey mockup
* Define tables and relationships

**Development**

* Website setup
  + Create subdomain on mdwboyd.com to distribute the survey
    - apex.mdwboyd.com
  + Create email address for sending from the application
    - apex@mdwboyd.com
* Setup workspace users
  + Guest Developer access
  + Non-admin, non-developer user
* PL/SQL scripts
  + Trigger on question insert or update
    - Write new row to history table
  + When a new row is added to the question table and set as active, populate the Start Date
  + When a row is modified and set as inactive, populate the End Date
  + Create test coverage (if possible in the development environment)
  + Table Creation
* Create tables
  + Survey questions
  + Survey question history
* Create survey application
  + Set security attributes
  + Modify Home page to survey only
  + Page link to Survey Admin application
  + Page link to the AV\_DEV workspace
  + Page to show report of how many times a color selection was chosen
* Create survey admin application
  + Set security attributes
  + Setup users
    - Guest Admin
  + Page for creating and modifying questions
  + Page to document what scripts have been generated
* Set subdomain target to the survey application URL

**Testing**

* As the guest user
  + Add a new survey question
    - Row added to history table
  + Change an existing survey question
    - Row added to history table
  + Submit a survey response
    - Report shows your response and percentage of answers
  + Click on the Admin Login button and go to login screen
    - Able to login to the Survey Admin application
* As a public visitor
  + Submit a survey response
    - Report shows the response and percentage of answers
  + Click on the Admin Login button and go to login screen
    - Not able to login to the Survey Admin application

**Deployment**

* Distribute survey URL

## Links

[Oracle naming standards tips](http://www.dba-oracle.com/standards_schema_object_names.htm)