|  |  |  |  |
| --- | --- | --- | --- |
| Name |  | |  |
| Score | / 50 |  |  |
| Update Value | |  |  |
| Make all corrections and resubmit to earn update points | | | |

**Web Data Management**

152-155

**MVC & PDO Evaluation Form  
Red Cross Project**

🗹 Update Recommended

**Controller**

* (½ point) Named index.php
* (½ point) Model libraries correctly imported
* (½ point) Page determines action based on REQUEST value
* (½ point) Default action is donor list
* (½ point) Donor filter variable set (empty string if not defined)  
  (may be in donorList case)
* (½ point) Case statement used to process action
* (½ point) Donor details case calls function to generate list of blood types
* (½ point) Donor details case calls function to get details for current donor
* (½ point) Donor details case displays details view
* (½ point) Donor list case calls function to get **filtered** list of donors
* (½ point) Donor list case displays donor list view
* (½ point) Donor new case calls function to generate list of blood types
* (½ point) Donor new case creates empty details array
* (½ point) Donor new case displays details view
* (½ point) Update and save new cases combined
* (½ point) btnSave case first validates inputs
* (½ point) If no errors, IF statement used to call update or insert function
* (½ point) After insert/update, donor list displayed
* (½ point) If errors, blood type list created, Request array transferred to details, donor details redisplayed
* (½ point) btnDonors displays donor list
* (½ point) btnDelete calls delete function then displays donor list
* (½ point) btnDonations displays donation list for this donor
* (½ point) Donation details case calls function to get donor list for combo box
* (½ point) Donation details case calls function to get details for current donation
* (½ point) Donation details case displays details view
* (½ point) Donation list case calls function to get donor details
* (½ point) Donation list case calls function to get donors total units  
  (optional: may be done in model)
* (½ point) Donation list case calls function to get list of donations **for current donor**
* (½ point) Donation list case displays donation list view
* (½ point) Donation new case calls function to get donor list for combo box
* (½ point) Donation new case creates empty details array
* (½ point) Donation new case displays details view
* (½ point) Update and save new cases combined
* (½ point) btnSave case first validates inputs
* (½ point) If no errors, IF statement used to call update or insert function
* (½ point) After insert/update, donation list displayed for current donor
* (½ point) If errors, donor details created, Request array transferred to details, donation details redisplayed
* (½ point) btnCancel displays donation list for this donor
* (½ point) btnDelete calls delete function then displays donation list for this donor

**BloodTypes Model**

* (½ point) Functions listed alphabetically
* (½ point) All functions appropriately named
* (½ point) All functions include appropriate description
* (½ point) getBloodTypeList query correct (includes Order By)
* (½ point) fetchAll used to get query results

**Connection Model**

* (½ point) dsn variable linked to Red Cross database
* (½ point) username is root
* (½ point) password is empty string
* (½ point) db variable defined as a new PDO object using above variables

**Donations Model**

* (½ point) Functions listed alphabetically
* (½ point) All functions appropriately named
* (½ point) All functions include appropriate description
* (½ point) Function included to determine total number of donated units for this donor (optional: logic may be included in view)
* (½ point) Query correctly calculates total number of units (uses donorID)
* (½ point) fetch used to get total number of units
* (½ point) Function returns first element of results array
* (½ point) deleteDonation query is correct (uses donationID)
* (½ point) Parameter binding correct
* (½ point) getDonationDetails query is correct (uses donationID)
* (½ point) Parameter binding is correct
* (½ point) fetch used to store one record in results
* (½ point) getDonationList query retrieves donationId, date, type and units
* (½ point) Where clause includes donorID parameter
* (½ point) List sorted by date descending
* (½ point) Parameter binding is correct
* (½ point) fetchAll used to define results
* (½ point) insertDonation query lists all fields except ID (4)
* (½ point) Query includes parameters for all fields
* (½ point) Parameter bindings (4) are correct
* (½ point) isDuplicateDonation function includes donorID and donation date parameters (logical keys)
* (½ point) Query counts number of records that match logical keys (parameters)
* (½ point) Parameter bindings are correct
* (½ point) fetch used to retrieve number of matching records
* (½ point) Function returns Boolean value (count > 0)
* (½ point) updateDonation query sets donation date, type and units (not donorID)
* (½ point) Query includes parameters for all fields
* (½ point) Where clause designates donationID (parameter)
* (½ point) Parameter bindings (4) are correct
* (½ point) validateDonationInputs includes code to check for duplicate records
* (½ point) isDuplicate only called if no previous errors and logical key(s) has changed
* (½ point) Error message is appropriate

**Donors Model**

* (½ point) Functions listed alphabetically
* (½ point) All functions appropriately named
* (½ point) All functions include appropriate description
* (½ point) deleteDonor query is correct (uses donorID)
* (½ point) Parameter binding correct
* (½ point) Second query provided to delete donor’s donations (uses donorID)
* (½ point) Parameter binding correct
* (½ point) getDonorDetails query is correct (uses donorID)
* (½ point) Parameter binding is correct
* (½ point) fetch used to store one record in results
* (½ point) getDonorList correctly defines where clause using filter
* (½ point) Query retrieves donorId and concatenated donor name
* (½ point) Where clause inserted in query
* (½ point) List sorted by name
* (½ point) fetchAll used to define results
* (½ point) insertDonor unformats phone number
* (½ point) Variable defined to convert inactive variable to true/false
* (½ point) Query lists all fields except ID
* (½ point) Query includes parameters for all fields
* (½ point) Parameter bindings (6) are correct
* (½ point) Phone number binding stores null when appropriate
* (½ point) isDuplicateDonor function includes first, last and phone parameters (logical keys)
* (½ point) Query counts number of records that match logical keys (parameters)
* (½ point) Parameter bindings are correct
* (½ point) fetch used to retrieve number of matching records
* (½ point) Function returns Boolean value (count > 0)
* (½ point) updateDonor unformats phone number
* (½ point) Variable defined to convert inactive variable to true/false
* (½ point) Query sets all fields except ID
* (½ point) Query includes parameters for all fields
* (½ point) Where clause designates donorID (parameter)
* (½ point) Parameter bindings (7) are correct
* (½ point) Phone number binding stores null when appropriate
* (½ point) validateDonorInputs includes code to check for duplicate records
* (½ point) isDuplicate only called if no previous errors and logical key(s) has changed
* (½ point) Phone number unformatted before use
* (½ point) Error message is appropriate

**Donations Details View**

* (½ point) Action variable set appropriately (new or update)
* (½ point) Hidden variable included for donorID (set to donorID from array)
* (½ point) Hidden variable included for donationID (set donationID or blank)
* (½ point) Donor first and last name appropriately displayed after **Donor**:
* (½ point) Delete button hidden for new records (flag defined)

**Donation List View**

* (½ point) Displays donor name, appropriately spaced
* (½ point) Displays donor’s blood type
* (½ point) Displays donor’s phone number (formatted)
* (½ point) Displays donor’s name again after **Donations for:**
* (½ point) New button includes hidden donorID field (set to donorID from array)
* (½ point) Donation details formatted appropriately (probably table)
* (½ point) Links created appropriately including donationID
* (½ point) While displaying donations, method calculates total number of units  
  (Optional: may be done with a query)
* (½ point) Total number of donations displayed after the provided label, after the donation list
* (½ point) Form that includes Edit Details button includes hidden variable for donorID

**Donor Details View**

* (½ point) First name field includes *org* hidden variable
* (½ point) Last name field includes *org* hidden variable
* (½ point) Phone field includes *org* hidden variable
* (½ point) All *org* variables set to field value or *org* value as appropriate
* (½ point) Phone number: first line corrected to get phone number from details array
* (½ point) Combo box correctly loads blood types, using type as both value and display
* (½ point) Code added to check box input to check when inactive
* (½ point) Delete and Donations button hidden for new records (flag created)

**Donor List View**

* (½ point) Donor list correctly generated
* (½ point) Each list item includes a link. Action: donationList + donorID
* (½ point) Search text box and button added in a mini-form
* (½ point) Mini-form action is donorList