

**APROTRAIN-APTECH EDUCATION**

**Online Charity**

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1. Introduction

Give-AID (Non-Governmental Organization) website needs to be developed which will comprise of

various NGO’s. These NGO’s will take part in various welfare activities for raising funds to help the

needy. The website must flash the details of all the activities or the events which are going to

happen or conducted. It must also allow adding new NGO. The money can be paid by selecting the

desired cause. The GIVE-AID has been established with the help of many major companies

contribution.

1. Problem Definition

##### Weaknesses of the current website.

There are large numbers of Charity websites offering large number of programs and donors. These online donation have thousands of program listed under various categories.

##### Problems:

* + - The basic problems with the existing systems are the non interactive environment they provide to the users.
    - The use of traditional user interfaces which make continuous post backs to the server; each post back makes a call to the server, gets the response and then refreshes the entire web form to display the result. This scenario adds an extra trade off causing a delay in displaying the results
    - A search engine that would display the results without allowing the users to further filter the results based on various parameters.
    - Use of traditional and non user friendly interfaces that are hard to use too.

##### 2.2. Benefits Of New System Solution :

##### The motive of this Charity Web Application is to allow the user to play with the search tool and create different combinatorial search criterion to perform exhaustive search.

* Provide Interactive interface through which a user can interact with different areas of application easily.
* A search engine that provides an easy and convenient way to search for programs specific to their needs. The search engine would list a set of programs based on the search term and the user can further filter the list based on various parameters.
* Provides accurate level of security so that transactions can be made confidentially.
* People who are not much aware of the system can easily make purchase by easy to register interface.

##### Scopes

* + - The current system can be extended to allow the users to create accounts and save programs in to wish list.
    - The users could subscribe for price alerts which would enable them to receive messages when price for programs fall below a particular level..

1. Donor Requirement Specification
   1. Requirement Specification:

* In this system the vendor can launch programs with details of them on website. (Details needs to be captured are as per the table Item below in data dictionary section.)
* Seller can keep these programs for sale as well as can update his site with new ornaments time to time.
* Vendor on his server machine is able to take purchase orders from Donors around the world and by validating the truth of orders with verification of Donor details he may dispatch the delivery of ornaments to Donors via post or courier.
* Vendor can also keep the records of all the Donors in a database on his server machine.( Admin in data dictionary)
* On the other hand Donors on client machine can access the site for online charity from any part of the world using internet service.
* Donor can select the ornaments from displayed ornaments and can give online orders for purchasing.
* Donor can pay his bills using credit card facility for donate. The valid Donors can send gift ornaments to their relatives and friends on other address through this system
* The Search option on the site is very useful for quick search for the ornaments which the Donor needs. This reduces the search and browsing time of clients. Ornaments list is available to clients on this system.
* Donors are able to create their own accounts with individual secured passwords to the vendors. Account holder Donor could log in directly by entering login name and password.
* A database should be maintained on the server machine. The database includes Donor’s details, login details, product list, order details, Bill details, transaction details etc. the database is helpful in getting quick information reports
* The information about charity programs certification should also be provided.
  1. **Hardware and software requirements**

##### Hardware:

* A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
* 128 Megabytes of RAM or better

Software:

* Visual Studio .Net / ASP
* IIS server
* .Net Framework
* Java Virtual Machine/ J2EE server
* Notepad/Java editor
* j2sdk1.4.1\_02 (or later).
* EJB Dev Kit
* Java enabled web server
* JSP / Servlets Dev. Kit

**4. Data and Diagrams.**

**4.1. Database Design.**

**- Account table**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| **Id** | **int** | **Id of Account** |
| **Username** | **varchar(50)** | **Username of Account** |
| **Password** | **varchar(100)** | **Password of Account** |
| **Salt** | **varchar(100)** | **Salt of Account** |
| **Role** | **int** | **Role of Account** |
| **Status** | **int** | **Status of Account** |
| **CreatedAt** | **datetime** | **CreatedAt of Account** |
| **UpdatedAt** | **datetime** | **UpdatedAt of Account** |
| **DeletedAt** | **datetime** | **DeletedAt of Account** |
| **FullName** | **nvarchar(50)** | **FullName of Account** |
| **Gender** | **int** | **Gender of Account** |
| **Address** | **nvarchar(100)** | **Address of Account** |
| **BirthDay** | **datetime** | **BirthDay of Account** |
| **Email** | **varchar(50)** | **Email of Account** |
| **Phone** | **varchar(50)** | **Phone of Account** |

**- Program Table**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| **Id** | **int** | **Primary Key** |
| **CategoryId** | **int** | **Foreign Key** |
| **Name** | **varchar(50)** |  |
| **Content** | **text** |  |
| **Amount** | **long** |  |
| **DonatedMoney** | **long** |  |
| **Status** | **int** |  |
| **CreatedAt** | **datetime** |  |
| **UpdatedAt** | **datetime** |  |
| **DeletedAt** | **datetime** |  |
| **StartAt** | **datetime** |  |
| **EndAt** | **datetime** |  |

**- Category Table**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| **id** | **int** | **Primary Key** |
| **Name** | **varchar(50)** |  |
| **Description** | **varchar(200)** |  |
| **Status** | **int** |  |
| **CreatedAt** | **datetime** |  |
| **UpdatedAt** | **datetime** |  |
| **DeletedAt** | **datetime** |  |

**- Donation**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| **id** | **int** | **Primary Key** |
| **DonorId** | **Int** | **Foreign Key** |
| **ProgramId** | **Int** | **Foreign Key** |
| **Amount** | **int** |  |
| **Status** | **int** |  |
| **CreatedAt** | **datetime** |  |
| **UpdatedAt** | **datetime** |  |
| **DeletedAt** | **datetime** |  |

**4.2. E-R Diagrams**

**- (Entity relationship Diagram.)**

5. Check List of Validation

|  |  |
| --- | --- |
| Option | Validated |
| Can admin login to the application? | Yes |
| Has the hardware and software been correctly chosen? | Yes |
| Does the application’s functionality resolve the user problem, and satisfy their needs | Yes |
| Do all the options present in the application display the correct result? | Yes |