**NGO Management System**

Software Requirements Definition Document

(Part #1)

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# REQUIREMENTS OF END USER:

* Donors should register/login their selves to donate amounts and goods.
* Donors should be categorized in foreign and national categori
* es
* Donors should have their rights to hide their identity if they want to.
* System must have features to store data of donations such as on which time, date and month donation was given.
* Record of donations of different ration drives.
* There should be a Security feature i.e., Admin Id and password.
* Most importantly Identification feature so that one person can’t take wrong advantage from donations and take extra stuffs
* Donations should be given in larger amount to religious places if they have verification letter from their heads i.e., Imam etc.
* There should **be** Categories and limitations for the distribution of goods among the needy ones.
* Categories of donation such as zakat/fitrah to protect people moral values.

**OVERVIEW OF THE SYSTEM**

This NGO System includes Registration and login system for both the users and admin so that details and information. We classified donors as Pakistani and overseas Pakistani and protect their privacy by adding feature to hide their identity or not. The donations will be distributed by going through confirmation and checking the history of people so that they don’t take donations multiple times and categorized the distribution in three categories. Accounts have all the details of donations and donors such as remaining donation, total donation, and total donors etc, and have all the records of transaction and datetime.

**FUNCTIONAL AND NON-FUNCTIONAL FEATURES OF THE SYSTEM**

This NGO system has following features:

Donations:

-​This feature enables the system to keep record of all the donations coming locally and from the overseas Pakistanis

-​Donations are taken in form of cash only.

Expenditure:

-​This feature categorizes the disbursement of funds

1. Mosques:

Funds donated to mosques or other places of worships are tracked in this category

2. Orphanage:

Funds sent to orphanages are recorded in this category

3.Deprived People:

Funds given to the individuals or families in need are recorded in this category

Accounts:

This feature shows the total amount of funds available in the system, amount donated and received.

**Functions:**

* **Registration and Login System**
* **Donors**
* **Admin**
* **Donors**
  + - **Pakistani**
    - **Overseas Pakistani**
* **Identity**
* **Anonymous**
* **Non-Anonymous**
* **Distribution Of Goods**
  + - **Religious Places**

**Verification Letter**

* + - **Orphanage**

**Verification Letter**

* + - **Deprived People**
* **Accounts**
  + - **Total Donation**

**Total Donation**

**Total Goods**

* + - **Total Donors**
    - **Remaining Donations**

**Amount**

**Goods**

* **Database Handling**
  + - **Records**

**Donation’s Datetime**

**Transaction Details**

**GANTT CHART**A picture containing graphical user interface

Description automatically generated

**WORK BREAKDOWN STRUCTURE**Graphical user interface

Description automatically generated

**PROJECT TIME ESTIMATION (CRITICAL PATH)**

We don’t have to highlight the Critical path as we have used waterfall approach which means only one task is done at a time and the critical path can be clearly seen in the picture.

**Critical Path:**

1🡪2🡪3🡪4🡪5🡪6🡪7🡪8🡪9🡪10🡪11🡪12🡪13🡪14🡪15🡪16🡪17🡪18🡪19

A screenshot of a computer

Description automatically generated with medium confidence

**APPENDIX A: (APPROACH adopted for developing this assignment)**

The methodology adopted for the system is Waterfall Methodology.

Starting with the meeting with the end user (CT-47), terms and conditions for the system were decided. Once the agreement was done, came the designing of UI.

With completion of the interface a meeting was held between the project manager (CT-67) and the end user (CT-47) to finalise the UI design.

Once the UI was designed, the programming of the system started. It was a 3 phased task. In first phase, the Account portal was set up by the developer (CT-55) followed by the approval of the code by the project manager (CT-67). Once this phase was completed and checked, the developer started working on the second phase of programming

With the completion and approval of second phase, third phase of programming was completed and checked.

A meeting was held between the developer (CT-55) and the project manager (CT-67) to finalise and compile the whole system.

With the compilation of the system, the testing phase started, in this phase both the developer (CT-55) and the project manager (CT-67) worked together to check the possible bugs and flaws in the system. Once the system was scanned and sanitised, final meeting with the end user (CT-47) was held. With the assistance of the end user amendments were made in the system and finally the system was deployed successfully followed by some routine check-up.

**ROLES AND RESPONSIBILITIES:**

**1.Developer:**

The developer will be directed by the team lead to program the system according to the needs of the end user.

First the developer is assigned to design the UI with the approval from the project manager, the developer will then work on the 3 phases of programming of the system. When the programming is completed, the system is compiled and then tested with the help of the project manager

**2.Project Manager**:

The project manager will meet with the end user to discuss the dynamics of the system, requirements of the system.

He will, then direct the develop to code the system according to instructions given by the end user

Upon the completion of the UI the project manager will go through the system UI and approve the UI with the compliance of the end user

During the programming phase the project manager will approve each phase one by one and finally along with the developer, he will compile and test the system.

Finally, he will meet with the end user and deploy the system.

The amendments (if needed) will be tackled by the team.

**3.End User:**

The end user will meet and discuss the requirements of the desired system.

Once the UI has been designed by the developer, the project manager will show it to the end user, upon satisfaction, the end user will approve the UI. Likewise, the end user will approve the phases of the system as per his requirements and inform the project manager if any other modification is needed in the system. Once the system has been designed and completed a final meeting will take place where the end user will check the whole system and upon satisfaction the system will be deployed. After deployment, if further changes or improvements are required in the system, the project manager will be contacted.

**Tools:**

We have used SmartSheet to make Work Breakdown Structure, Visual Paradigm to make Gantt Chart and SmartDraw for Pert Chart.