**Donation Management System**

**Use-Cases**

**UC-01: Login**

**Actor:** Administrator

**Pre-condition:** None

**Main flow:**

1. Actor select login button for logging into its account
2. System displays login page
3. Actor enter its username and password
4. System match username and password from its database
5. Actor waits for authentication

**Alternate Flow:**

4.1 System displays Error if username or password mismatch

**Post condition:**

System displays welcome screen and show options and Manu

**UC-02: Initialize project**

**Actor:** Administrator

**Pre-condition:** Login

**Main flow:**

1. Actor select “new project” option in main screen
2. System asks actor to input name of new project
3. Actor enters the name of project
4. System creates project and presents a form
5. Actor inputs details of project
6. System save details
7. Actor exits

**Alternate flow:**

4.1 System give Error of already present name of project

**Post –Condition:**

System adds new welfare project details.

**UC-03: Appoints team**

**Actor:** Administrator

**Pre-condition:** Login and project already created

**Main flow:**

1. Actor select already created project
2. System open project details
3. Actor select add team member for appointing team
4. System opens list of members
5. Actor selects members for team
6. System save team members according to that project
7. Actor Exits

**Alternative flow:**

4.1 No team member is available for assigning the project

**Post condition:**

System saves list of team members for further proceeds

**UC-04: Manage list of donors**

**Actor:** Administrator

**Pre-Condition:** Login

**Main flow:**

1. Actor select donor list from options
2. System displays list of donors
3. Actor select one donor from list
4. System displays donor details
5. Actor changes details if need
6. System save details
7. Actor exits

**Alternate Flow:**

2.1 System displays Error if Donor list is empty

**Post condition:**

System changes in Database

**UC-05: Tracking of Funds**

**Actor:** Administrator

**Pre-condition:** Login

**Main flow:**

1. Actor selects track fund option in main screen
2. System opens fund tracking window in main screen
3. Actor selects specific fund for tracking
4. System displays all the details about the fund (i.e. who donated the fund, who benefitted from fund, amount of fund spent etc.)
5. Actor checks fund details
6. Actor exits

**Alternative flow:**

2.1 system displays No fund Available

**Post condition:**

System displays funds details

**UC-06: Tracking of pledges**

**Actor:** Administrator

**Pre-condition:** Login

**Main flow:**

1. Actor selects Pledge tracking option
2. System displays a list of pledges
3. Actor choose desired pledge for further detail
4. System displays specific pledge details
5. Actor use detail for further processing

**Alternate Flow:**

2.1 System displays Error if there is no pledge in list

**Post condition:**

System displays data according to database

**UC-07: Allocation of Funds**

**Actor:** Administrator

**Pre-condition:** Login

**Main flow:**

1. Actor opens fund allocation Manu
2. System displays funds details
3. Actor choose specific amount according to requirements
4. System asks the name and ID of needy who wants funds
5. Actor enters details of fund allocation
6. System save in database
7. Actor exits

**Alternate Flow:**

2.1 System displays Error is funds are not available

3.1 System displays Error is actor enter greater amount than available

**Post condition:**

System allocates funds and changes in database accordingly

**UC-08: Tracking Progress of Team**

**Actor:** Administrator

**Pre-condition:** Login

**Main flow:**

1. Actor selects progress button
2. System displays list of all working team
3. Actor selects desire team
4. System shows details and progress of that team

**Alternate Flow:**

2.2 is progress is low system displays its line in Red or if progress is good system shows in green

**UC-09: Apply for Funds**

**Actor:** Needy

**Pre-Condition:** None

**Main flow:**

1. Actor selects option “apply for funds”
2. System displays a form of required details
3. Actor fill the online form and choose submit button
4. System submits form and assign a tracking id
5. Actor exits

**Alternate Flow:**

4.1 System give error if applicant has already filled form against actor’s CNIC

**Post condition:**

System saves form and gives some working days’ time for processing

**UC-10: Check Status**

**Actor:** Needy

**Pre-condition:** form already created

**Main flow:**

1. Actor select status button
2. System opens a windows for Entering tracking ID
3. Actor enter tracking ID in text box
4. System checks status from database and displays status

**Alternate Flow:**

**Post condition:**

System displays status according to the database

**UC-11: schedule Meeting**

**Actor:** Needy

**Pre-condition:** form already created and status is Positive

**Main flow:**

1. Actor select status button
2. System opens a windows for Entering tracking ID
3. Actor enter tracking ID in text box
4. System displays different times and dates for meeting
5. Actor select one date and time for meeting
6. System saves inputs
7. Actor Exits

**Alternate Flow:**

* 1. If no free slot available for meeting, system ask actor to wait for some time for free slots.

**Post condition:**

System schedules meeting according to date and time

**UC- 12: Add beneficiary**

**Actor:** Assessor

**Pre-condition:** Log in

**Main flow:**

1. Actor selects add beneficiary option
2. System presents a form
3. Actor fills out the form with details of the beneficiary and submits the form
4. System processes the form
5. System checks whether the beneficiary is not already added
6. System presents the status of beneficiary
7. Actor exits the form

**Alternative Flow:**

5A.1 Actor exits when beneficiary is already added in the system

**Post-Condition:**

Beneficiary is added to the system

**UC-13: Remove Beneficiary**

**Actor:** Assessor

**Pre-condition:**  Log in

**Main flow:**

1. Actor selects search option
2. System asks to enter search query
3. Actor inputs beneficiary name
4. System presents matching results to query
5. Actor selects delete option
6. System processes the command
7. Actor exits the option

**Alternative Flow:**

4.1 System exits the option when no matching results are found

**Post-Condition:**

Beneficiary is deleted from records

**UC-14: Allocate Funds**

**Actor:** Assessor

**Pre-condition:**  Log in

**Main flow:**

1. Actor selects ‘choose beneficiary’ option
2. System presents a list of beneficiaries , agreed through consensus
3. Actor selects beneficiaries from list and selects allocate funds option
4. System presents information about available funds
5. Actor selects amount of funds against the beneficiary
6. System updates the available funds and adds to the beneficiary account
7. Actor exits the option

**Alternative Flow:**

2.1 System displays Error if list empty

**Post-Condition:**

System update database

**UC-15: Add donation**

**Actor:** Team leader

**Pre-condition:** Login

**Main Flow:**

1. Actor selects add donation option
2. System presents a form
3. Actor inputs information of donor and amount of donation
4. System saves the form
5. System generates receipt and prints it
6. Actor exits

**Alternative Flow:**

**Post Condition:**

System generate receipt according database

**UC-16: Planning an event**

**Actor:** Team

**Pre-condition:** Login

**Main flow:**

1. Actor selects create event option
2. System presents list of possible charity events
3. Actor selects location for event
4. Actor inputs date and time
5. System asks to input volunteers names for event
6. Actor checks which volunteers are available
7. Actor inputs volunteers
8. System adds the event to calendar

**Alternative Flow:**

4A. System checks whether the location and time clash with another event by the same actor

4B. System does not allow clashes and exits

**Post-Condition:**

A new charity event is created for fundraising.

**UC-17: Disbursement of Funds**

**Actor:** Team Leader

**Pre-condition:** Funds allocated to subject

**Main flow:**

1. Actor selects ‘distribute option’
2. System asks user to enter search query
3. Actor searches for subject
4. System presents matching results
5. Actor chooses subject from the results
6. System generates a cheque for the subject according to the funds allocated to the subject

**Alternative Flow:**

3A.1 The system asks user to enter another query when no matching results are found

5A.1 System validates that funds have been allocated to the subject

5A.2 System shows error message when no funds are allocated to the subject

**Post-Condition:**

Cheque is generated for the subject

**UC-18: Choose Volunteers**

**Actor:** Team Leader

**Pre-condition:** An event is being planned

**Main Flow:**

1. Actor selects ‘choose volunteer’ option
2. System presents a list of available volunteers
3. Actor selects volunteers and selects ‘add volunteer to project’ option
4. System asks for confirmation from actor
5. Actor selects confirm option

**Alternative Flow:**

2A.1 When no volunteers are available, system prompts a message to the user

2.2 Actor selects ‘request volunteers’ option

2.3 System saves the request

**Post-Condition:**

Volunteers are assigned to the project

**UC-19: Donate Funds**

**Actor:** Donor

**Pre-condition:** None

**Main flow:**

1. Donor selects donate funds option
2. System displays a list of recent projects initiated by organization
3. Donor selects one of the projects to donate fund to
4. System asks him to register
5. Donor enters the credentials (Name, Address, Contact No. etc.)
6. System activates the submit option
7. Donor submits the registration form
8. System provides donor with the modes of donating funds depending upon the need of the project like loans, gifts, goods etc.
9. Donor selects the mode in which he wants to donate
10. System gives the information about where and how to send the donations

**Alternative flow:**

3A.1 Donor deselects the selected project

3A.2 System displays the list of projects

3A.3 Donor selects another project

3A.4 System takes the user to step 4

5A.1 Donor doesn’t provide the complete credentials

5A.2 System prompts an error message to fill the required fields and takes the user to step 5

7A.1 Donor cancels the registration form

9A.1 Donor deselects the mode of donation

9A.2 System takes him to step 8

**Post-condition:**

Donor’s personal and donation information is listed in the pending donations list

**UC-20: Make Pledge**

**Actor:** Donor

**Pre-condition:** Donor is logged into the organization website

**Main flow:**

1. Donor selects the make pledge option
2. System lists the projects for which the donor can pledge
3. Donor selects the project he wants to pledge for
4. System displays a pledge form for the respective project
5. Donor fills the pledge form by giving pledge amount and deadline of donation and submits it
6. System prompts a message screen saying pledged successfully and notifies by sending email to donor

**Alternative flow:**

3A.1 Donor deselects the selected project

3A.2 System takes the user to step 2

5A.1 Donor tries to submit the incomplete form

5A.2 System gives an error message and takes him to step 4

**Post-condition:**

Donor’s information is listed in the pending pledges list

**UC-21: Track of Funds**

**Actor:** Donor

**Pre-condition:** Donor is logged into the organization’s website

**Main flow:**

1. Donor selects the option of tracking funds
2. System presents the list of projects to which donor has donated
3. Donor selects a project to track his funds
4. System displays the detailed information of where his funds were utilized, who were the beneficiaries, how to reach them, etc.
5. Donor exits the track funds option

**Alternative flow:**

1A.1 Donor selects the search option

1A.2 System asks to enter the query

1A.3 Donor provides the query to track his funds for a particular project

1A.4 System presents the matching results as in step 4 of main flow

5A.1 Donor may repeat the process of tracking funds from step 3

**Post-condition:**

None

**UC-22: Identify volunteers**

**Actor:** Volunteer manager

**Pre-condition:** Manager is logged into the website

**Main flow:**

1. Manager selects the option to identify volunteers
2. System displays the list of projects on which volunteers are yet needed to be identified
3. Manager selects the project for which he wants to appoint volunteers
4. System presents a list of available volunteers for respective project
5. Manager selects the required number of volunteers from the list and selects “Done”
6. System creates a list of selected volunteers for that project and notify the respective volunteers of their selection for the project through email

**Alternative flow:**

3A.1 Manager goes back to the list of projects

3A.2 System takes user to step 2

5A.1 Manager cancels the selection

5A.2 System takes the user to step 4

**Post-condition:**

Volunteers are appointed for the project

**UC-23: Track availability of volunteers**

**Actor:** Volunteer Manager

**Pre-condition:** Manager is logged into the website

**Main flow:**

1. Manager selects the option to track the availability of volunteers
2. System presents a detailed information of all volunteers along with the status of their availability
3. Manager exits the option

**Alternative flow:**

3A.1 Manager wants to stay and go through the list of volunteers

**Post-condition:**

None

**UC-24: Schedule work time for volunteers**

**Actor:** Volunteer Manager

**Pre-condition:** Manager is logged in

**Main flow:**

1. Manager selects the option to schedule work time for volunteers
2. System presents the list of projects on which volunteers are appointed
3. Manager selects from the listed projects
4. System displays a form to set time for the volunteers of respective project
5. Manager specifies the work time for each volunteer
6. System confirms the schedule and notify the volunteers through email

**Alternative flow:**

3A.1 Manager goes back to the list of projects

3A.2 System resumes from step 2

5A.1 Manager wants to change the schedule

5A.2 System over-writes the previous schedule and confirms it

**Post-condition:**

Volunteer’s working time for a particular project is scheduled