

Hope Harvest

Usecases and Testcases

Group : 4 Section : B2

CSE 326

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Subsystems

- 1 Volunteer Management
- 2 Make Donation
- 3 Audit
- 4 Fund Registration

Volunteer Management

Usecase

Request Additional Resources During Event

Scenario

Team leader requests additional funds or volunteers due to a shortage during an event.

Actors

Team Leader, Admin, System

Precondition

The event is ongoing, and there is a documented shortage of funds or volunteers.

Steps

Team leader accesses the 'Request Additional Resources' section in the system.

Team leader selects either 'Funds' or 'Volunteers' as the needed resource.

Team leader specifies the required amount of funds or the number of additional volunteers.

System verifies the request and submits it to the admin for approval.

Admin receives a notification about the resource request.

Testcase 1

Successful Additional Funds Request

Description

Verify that the team leader can successfully request additional funds when there is a shortage.

Input

Resource Type : "Funds"

Requested Amount : 500

Document : "shortageReport.pdf"

Expected Outcome

Outcome : Request submitted successfully

Status : Pending Admin Approval

Testcase 2

Successful Additional Volunteers Request

Description

Verify that the team leader can request additional volunteers when there is a shortage.

Input

Resource Type : "Volunteers"

Requested Amount : 3

Document : "volunteerShortageReport.pdf"

Expected Outcome

Outcome : Request submitted successfully

Status : Pending Admin Approval

Testcase 3

Request with Insufficient Shortage Justification

Description

Verify that a request cannot be submitted without sufficient justification for the shortage.

Input

Resource Type : "Funds"

Requested Amount : 700

Document : null

Expected Outcome

Outcome : Request failed

Status : Justification Required

Testcase 4

Request with Excessive Amounts

Description

Ensure that a request fails if the amount requested significantly exceeds the typical limit.

Input

Resource Type : "Funds"

Requested Amount : 5000000

Document : "shortageReport.pdf"

Expected Outcome

Outcome : Request submitted successfully

Status : Exceeds Allowable Limit

Usecase

Return Remaining Funds to Admin

Scenario

Team leader returns any remaining funds to the admin after the event's completion.

Actors

Team Leader, Admin, System

Precondition

The event is completed, and the team leader has remaining funds.

Steps

Team leader accesses the funds return section in the system.

Team leader enters the amount of remaining funds to return.

System verifies the amount and processes the return to the admin.

Testcase 1

Successful Funds Return

Description

Verify that the team leader can return the remaining funds successfully.

Input

RemainingFunds : 200

ReturnAmount : 200

Expected Outcome

Outcome : Funds returned successfully

Status : Return Processed

Testcase 2

Return with Insufficient Funds

Description

Verify that returning an amount greater than remaining funds fails.

Input

RemainingFunds : 150

ReturnAmount : 200

Expected Outcome

Outcome : Return failed

Status : Insufficient Funds

Testcase 3

No Funds to Return

Description

Verify that attempting to return funds when there are none fails.

Input

RemainingFunds : 0

ReturnAmount : 50

Expected Outcome

Outcome : Return failed

Status : No Funds Available

Make Donation

Usecase

Make a Donation

Scenario

A donor selects an event, provides necessary information, chooses a payment method, and makes a donation. The system processes the payment and confirms the donation.

Actors

Donor, System

Precondition

Donor has access to the system and is interested in making a donation.

Steps

- 1.Donor selects to see available events.
- 2.Donor provides necessary information.
- 3.Donor selects a payment method (Bank, Mobile Banking, Visa Card).
- 4.Donor proceeds with the payment.
- 5.System processes the payment and confirms the donation.

Testcase 1

Successful Donation

Description

Verify that a donor can successfully make a donation after selecting an event and providing valid payment information.

Input

Name: Reduan Khan

Payment Method: Visa Card

Payment Amount: 100

Expected Outcome

Outcome : Donation successful

Status : Paid

Testcase 2

Donation Without Donor Information

Description

Verify that the system allows donors to make a donation even if they do not provide all the donor information (e.g., name or email).

Input

Name:

Payment Method: Bank

Payment Amount: 500

Expected Outcome

Outcome : Donation successful

Status : Listed as anonymous

Audit

Usecase

Check Audit

Scenario

User views audit details for an event.

Actors

User

Precondition

User has logged in, Event details are available in the system.

Steps

User selects an event.

System retrieves and displays audit details for the selected event from the database.

Testcase 1

Display Audit Details

Description

Verify that audit details are displayed when a user selects an event.

Input

User selects an event

Expected Outcome

Outcome : System displays the audit details for the selected event

Status : Successfully displayed audit details

Testcase 2

No Audit Data

Description

Verify that the system handles events with no audit data gracefully.

Input

User selects an event with no audit data

Expected Outcome

Outcome : System displays a message indicating no audit data available

Status : No Data available

Testcase 3

Unauthorized Access

Description

Ensure unauthorized users cannot access audit details.

Input

Unauthorized user attempts to select an event to view audit details

Expected Outcome

Outcome : System denies access and displays an authorization error message

Status : Access denied

Usecase

Update Audit

Scenario

Admin updates audit details for an event.

Actors

Admin

Precondition

Admin is logged in and has access to the event details.

Steps

Admin selects an event.

Admin inputs updated audit details.

System saves and confirms the updated audit information in the database.

Testcase 1

Successful Update

Description

Verify that admin can successfully update audit details.

Input

Admin provides valid updated audit details for an event

Expected Outcome

Outcome : System saves and confirms the updated audit information

Status : Details updated

Testcase 2

Invalid Data

Description

Ensure system validation for incorrect data during audit update.

Input

Admin inputs invalid audit details

Expected Outcome

Outcome : System rejects the update and displays an error message

Status : Update rejected

Testcase 3

Confirm Updated Display

Description

Verify that updated audit details are displayed correctly after saving.

Input

Admin saves updated audit details

Expected Outcome

Outcome : System displays the updated audit information accurately, showing spending details per field

Status : Updated details visible with spending breakdown

Fund Registration

Usecase

General Fund Request

Scenario

A user submits a fund request, selecting the type of request (e.g., education, treatment, self-employment).

Actors

User

Precondition

User is logged into the system and navigates to the 'Request Fund' page.

Steps

User selects the type of fund request from options: Education, Treatment, Self-Employment etc.

User fills in required fields based on the selected type.

User submits the fund request.

System verifies the request details.

System displays a confirmation message for successful submission.

Update the System database.

Testcase 1

Valid General Fund Request for Education

Description

Verify a user can successfully submit a general fund request for education with all required fields filled.

Input

type: "Education"

amount: 5000

documents: ["identityProof.pdf", "universityEnrollment.pdf"]

Expected Outcome

Outcome : Request submitted successfully

Status : Confirmation displayed

Testcase 2

Missing Fields in General Fund Request

Description

Verify the system displays an error if required fields are missing in the general fund request form for any type.

Input

type: "Self-Employment"
projectDescription: ""
documents: []

Expected Outcome

Outcome : Error message displayed
Status : Fields required

Testcase 3

Invalid Amount in General Fund Request

Description

Verify the system rejects a general fund request with an invalid amount.

Input

type: "Housing Assistance"

amount: "-2000"

documents: ["identityProof.pdf", "rentalAgreement.pdf"]

Expected Outcome

Outcome : Error message displayed

Status :Invalid amount

Usecase

Fund Request for Education

Scenario

A user submits a fund request for educational purposes.

Actors

User

Precondition

User is logged into the system and navigates to the 'Request Fund' page.

Steps

User selects 'Education' as the fund request purpose.

User fills in required fields: educational institution, amount requested, course details, and supporting documents.

User submits the fund request.

System verifies the request details.

System displays a confirmation message for successful submission.

Update the System database.

Testcase 1

Valid Education Fund Request

Description

Verify a user can successfully submit a fund request for education with all required fields filled.

Input

type: "Education"

amount: 5000

documents: ["identityProof.pdf", "universityEnrollment.pdf"]

Expected Outcome

Outcome : Request submitted successfully

Status : Confirmation displayed

Testcase 2

Missing Fields in Education Fund Request

Description

Verify the system displays an error if required fields are missing in the education fund request form.

Input

purpose: "Education"

courseDetails: ""

documents: []

Expected Outcome

Outcome : Error message displayed

Status : Fields required

Usecase

Fund Request for Treatment

Scenario

A user submits a fund request for treatment purposes.

Actors

User

Precondition

User is logged into the system and navigates to the 'Request Fund' page.

Steps

User selects 'Treatment' as the fund request purpose.

User fills in required fields: hospital name, amount requested, treatment type, and supporting documents.

User submits the fund request.

System verifies the request details.

System displays a confirmation message for successful submission.

Update the System database.

Testcase 1

Valid Treatment Fund Request

Description

Verify a user can successfully submit a fund request for Treatment with all required fields filled.

Input

type: "Education"

amount: 5000

documents: ["identityProof.pdf", "medicalReport.pdf"]

Expected Outcome

Outcome : Request submitted successfully

Status : Confirmation displayed

Testcase 2

Missing Fields in Treatment Fund Request

Description

Verify the system displays an error if required fields are missing in the Treatment fund request form.

Input

purpose: "Treatment"

treatmentType: ""

documents: []

Expected Outcome

Outcome : Error message displayed

Status : Fields required

Usecase

Fund Request for Self-Employment

Scenario

A user submits a fund request for Self-Employment purposes.

Actors

User

Precondition

User is logged into the system and navigates to the 'Request Fund' page.

Steps

User selects 'Self-Employment' as the fund request purpose.

User fills in required fields: project description, amount requested, and supporting documents.

User submits the fund request.

System verifies the request details.

System displays a confirmation message for successful submission.

Update the System database.

Testcase 1

Valid Self-Employment Fund Request

Description

Verify a user can successfully submit a fund request for Self-Employment with all required fields filled.

Input

purpose: "Self-Employment"

amount: 15000

documents: ["identityProof.pdf", "businessPlan.pdf"]

Expected Outcome

Outcome : Request submitted successfully

Status : Confirmation displayed

Testcase 2

Missing Fields in Self-Employment Fund Request

Description

Verify the system displays an error if required fields are missing in the Self-Employment fund request form.

Input

purpose: "Self-Employment"
projectDescription: ""
documents: []

Expected Outcome

Outcome : Error message displayed
Status : Fields required

Usecase

Admin Review and Approval of Fund Requests

Scenario

An admin reviews and approves or rejects user fund requests.

Actors

Admin

Precondition

Admin is logged into the system and navigates to the 'Fund Requests' page.

Steps

Admin selects a fund request to review.

Admin reviews the request details and verifies attached documents.

Admin approves or rejects the fund request.

System updates the request status and notifies the user of the decision.

Update the System database.

Testcase 1

Admin Approves Fund Request

Description

Verify the admin can approve a fund request, and the user receives a notification.

Input

requestId: "12345"
decision: "Approved"

Expected Outcome

Outcome : Request status updated to Approved
notification : Approval notification sent to user

Testcase 2

Admin Rejects Fund Request

Description

Verify the admin can reject a fund request, and the user receives a notification.

Input

requestId: "12445"
decision: "Rejected"

Expected Outcome

Outcome : Request status updated to Rejected
notification :Rejection notification sent to user

Testcase 3

Admin Review with Missing Documents

Description

Verify the admin sees an error or flag if required documents are missing.

Input

requestId: "12445"
documents: []

Expected Outcome

Outcome :Error message displayed
Status :Documents required

Thank You!