Zephyr Event Management System

Project Requirements

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Introduction

1.1. Purpose

The purpose of this document is to present a detailed description of the Zephry Management System. It will explain the purpose and features of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document explains how this app is helpful to the Zephry Control Body, hostel representatives, students and the sponsors.

1.2. Scope Of The Project

This app caters to the needs of the various members involved in Zephry ranging from the managing committee to non-participants.

The Managing Committe can expect the app to help them organize and manage the festival efficiently by maintaining a database regarding the various events, paticipants, scores, sponsors, special events, finance expenditure, and other aspects of the festival which will be explained in detail in this document.

Hostel Representatives will be able to use this app to communicate with the Managing Committee to provide the participant list for all events, t-shirt design and betting in various events.

Students can use this app to check the event details like type of the event, time, venue, duration, description of the event, the judges, etc. Or view the whole timetable of the Zephry event. They will also be able to update themselves with the scores and the standing of each hostel at any given point of time. Through this app they can also register for the special nights.

Sponsors can use this app as a platform to aproach the Managing Committee in order to publicize their products.

User Characteristics

All the users are expected to be Internet literate and be able to use the web app. All the users should be able to make their account through registration procedure.

The users are expected to be able to use the app to register for special nights, view the event details and browse through the app.

The Hostel Representatives are Internet literate to be able to provide participant details, betting details, t-shirt design and other requirements to the Managing Committee through this web app.

The sponsors are literate enough to be able to use the sponsor page to give their details to the Managing Committee.

The Managing Committee is Internet literate to be able to manage the various aspects of the web app.

The detailed look of these pages is discussed in coming sections.

2.1 Non-Functional Requirements

The web app will be on a server with high speed Internet capability. The software is desined in Java language and the database is stored in SQL database. The system already has SQL installed and is an Ubuntu operating system.

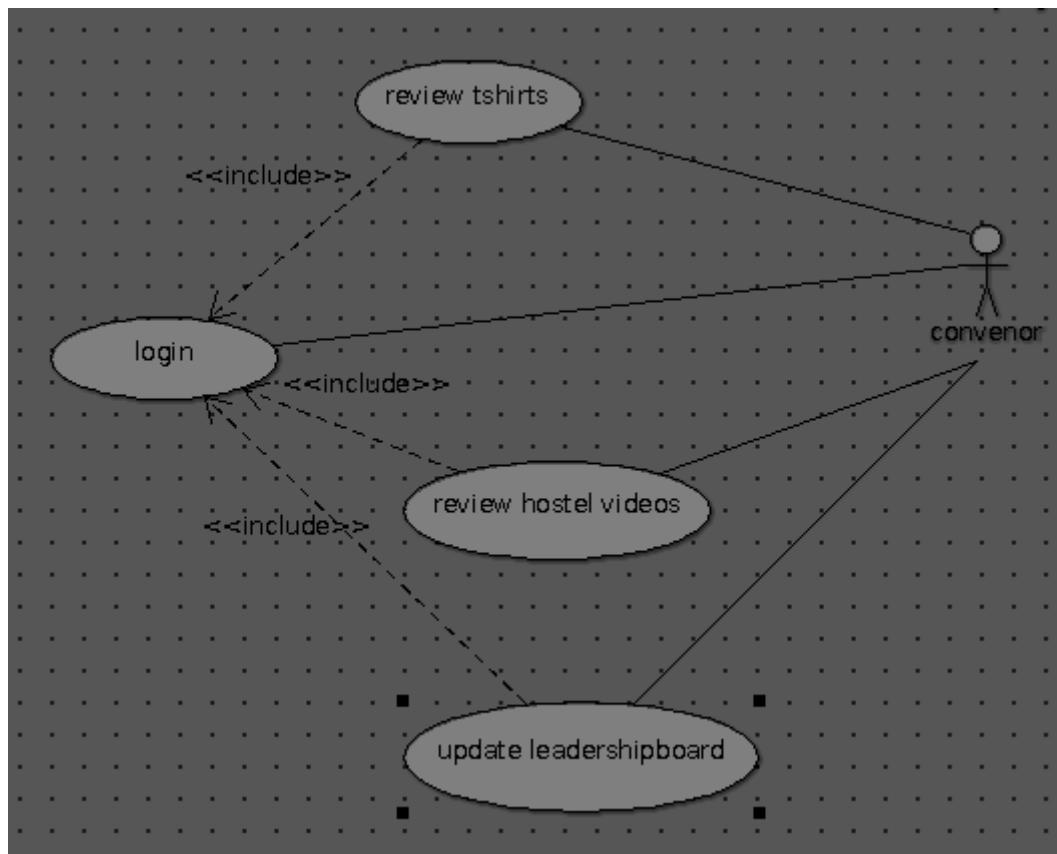# Functional Requirement Specification:
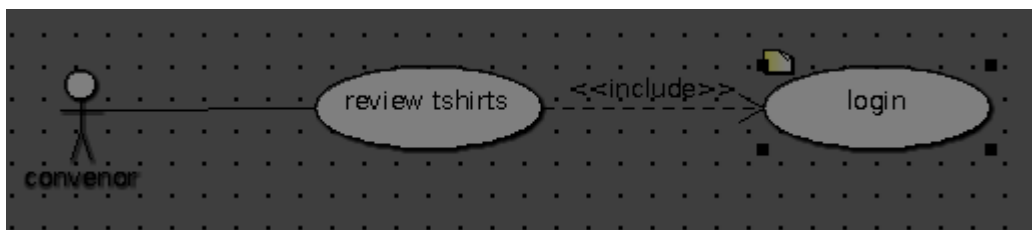
Login UseCase:
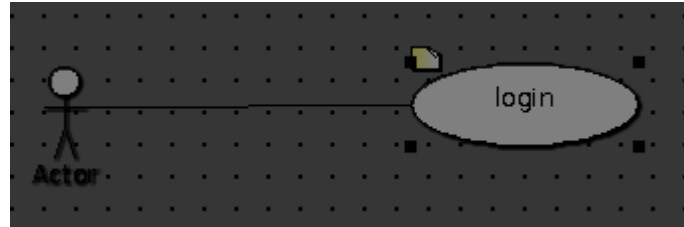
Description.

  4. 1) Choose Login option.
  4. 2) Give proper credentials.

Convener UseCase:

1) Review Tshirts UseCase:

Description:

1. 1) Choose "review tshirts" option.
1. 2) Log on with valid credentials
1. 3) Evaluate Tshirts based on appropriateness of design.(i.e not offending anyone)
1. 4) Upload the approved Tshirts.

2) Update Leadership UseCase:

Description:

2. 1) Choose "update leadership" option.
2. 2) Log on with valid credentials
2. 3) After acquiring scores from the judges, upload the top 3 scorers of each event online to be visible to everyone.
2. 4) Update the scores regularly in the database of scores.

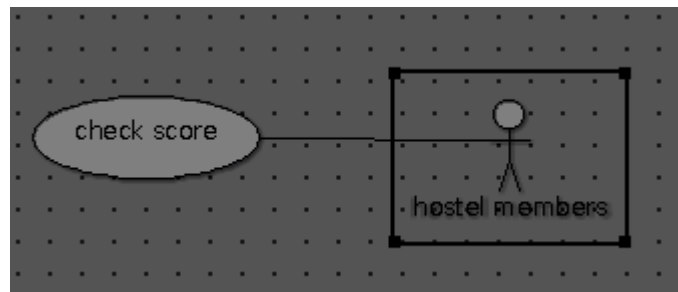**3) Review Hostel Videos UseCase:**

Description:

3. 1) Choose "review hostel videos" option.
3. 2) Log on with valid credentials.
3. 3) Evaluate the hostel videos based on whether the video finishes under required time and does not use any offensive scenes.
3. 4) Score the hostels on their videos and update the leaderboard.

Hostel member Use Cases
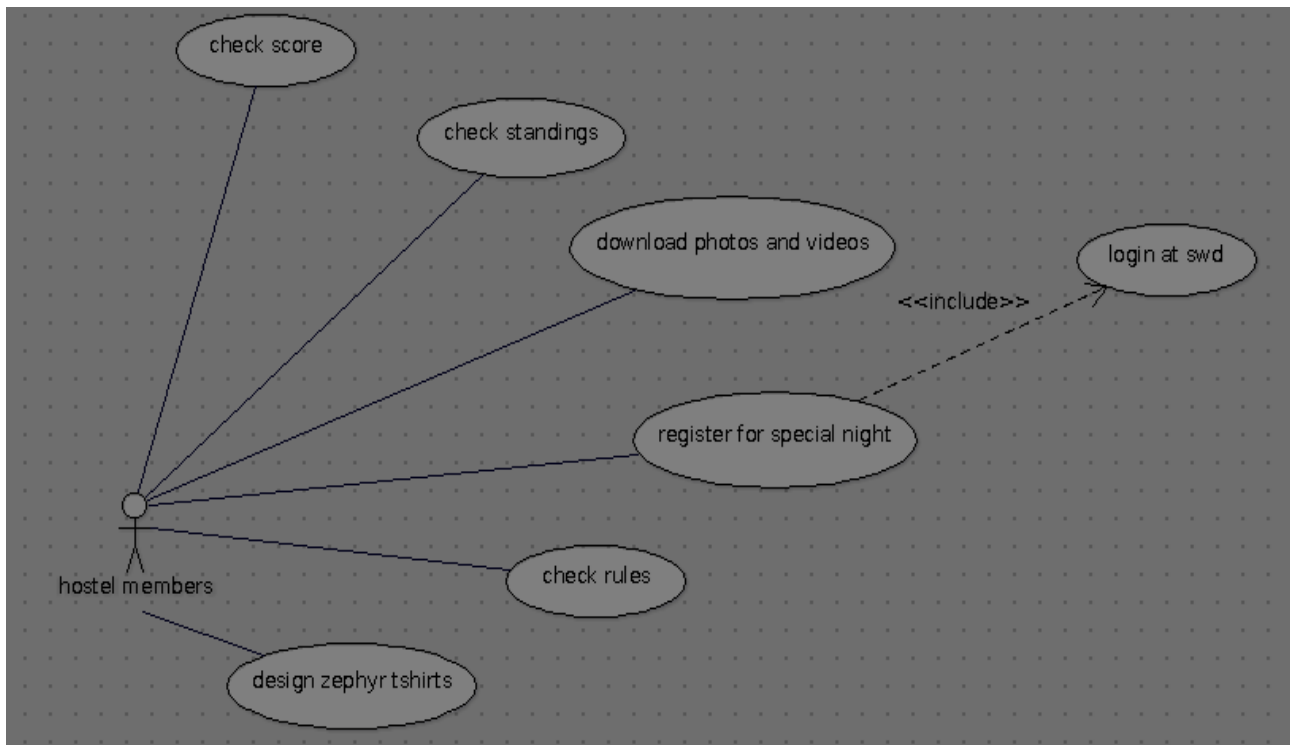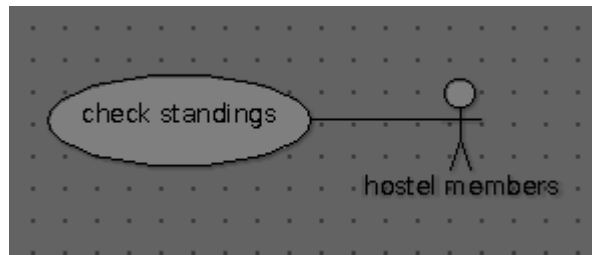

1) Check Score Usecase

Diagram :

Description:
1. The hostel member opens the portal.
2. He/She selects the "check score" button on the portal.
3. The score is printed on the page.
4. The hostel member gets to know the score.

2) Check Standings Usecase
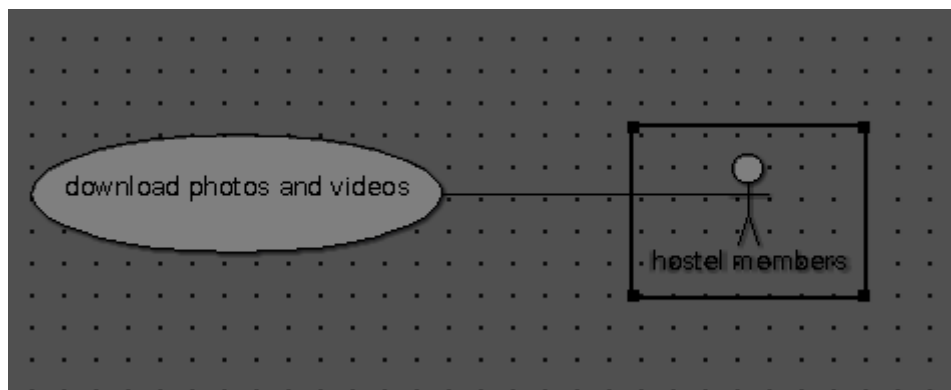
Diagram :

Description:
1. The hostel member opens the portal.
2. He/She selects the "check standings" button on the portal.
3. The standings of the different hostels is printed on the page.
4. The hostel member gets to know the standings.

## 3) Download Photos and Videos Usecase

Diagram :

Description:

1. The hostel member opens the portal.
2. He/She selects the "Download Photos and Videos" button on the portal.
3. A page with the different photos and videos appears on the page.
4. The hostel member selects the video/photo he/she wishes to download.
5. The particular video/photo is downloaded.

4) Register for Special Nights Usecase
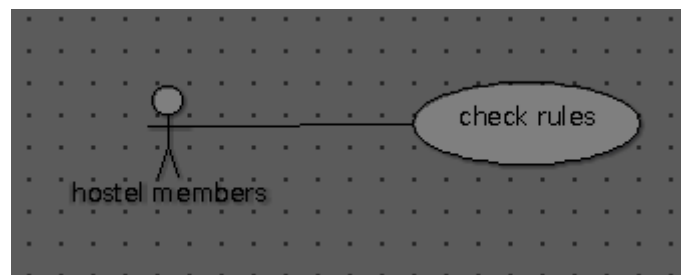
Diagram :
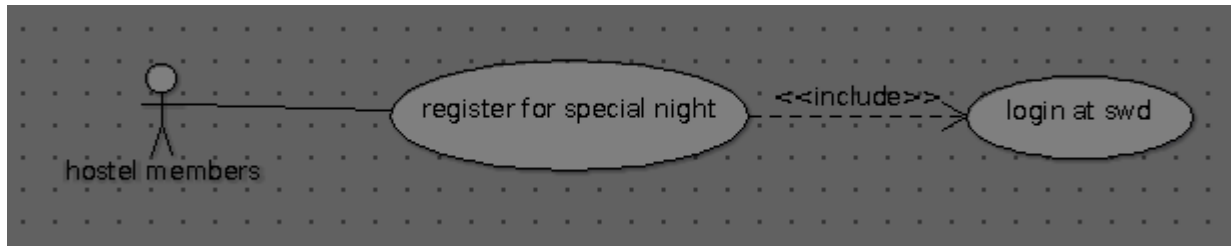
Description:
1. The hostel member opens the portal.
2. He/She selects the "Register for Special Nights Usecase" button.
3. The page gets redirected to SWD.

5) Check Rules Usecase

Diagram :

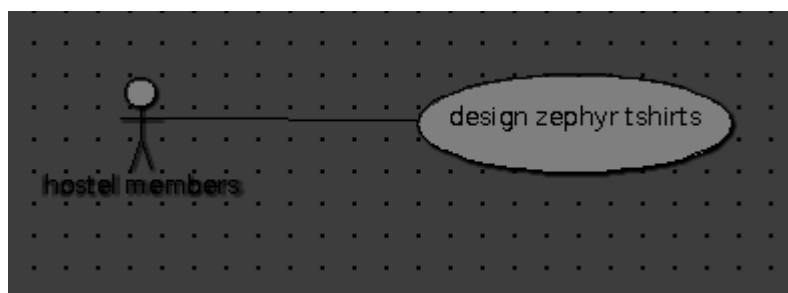**Description:**
1. The hostel member opens the portal.
2. He/She selects the "Check Rules" button.
3. A page describing the rules on Zephyr opens.

6) Design Zephyr T-shirts Usecase

Diagram :

Description:
1. The hostel member opens the portal.
2. He/She selects the "Design Zephyr T-shirts" button.
3. The hostel member uploads the design of t-shirt he/she has designed.

Judges Use Cases

1) Submit Event Scores Usecase

Diagram :
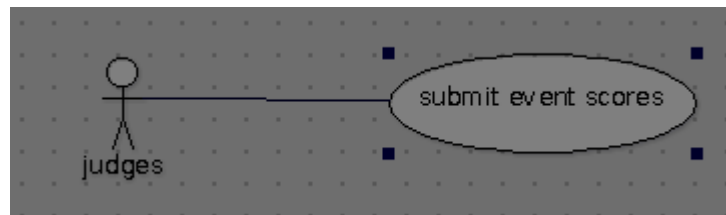
Description:
1. The judge opens the portal.
2. He/She selects the login button.
3. The judge then selects the "Submit Event Scores" button.
4. The judge then submits the scores of the event he/she was judging.

Finance Head Use Cases

1) Upload Confirmed Sponsors Usecase

Diagram :

Description:
1. The finance head opens the portal.
2. He/She selects the login button.
3. The finance head then selects the "Upload Confirmed Sponsers" button.
4. The finance head selects the file to be uploaded.

2) Answer Query on Sponsership Page Usecase
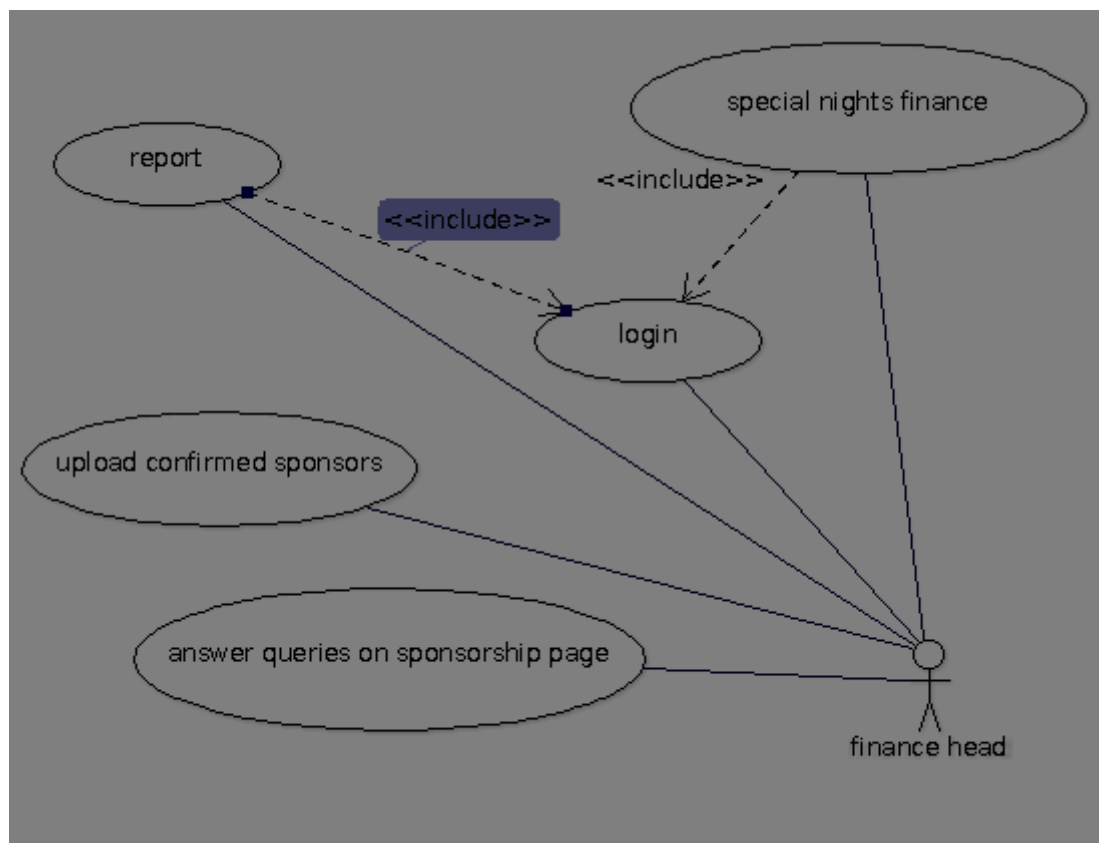
Diagram :
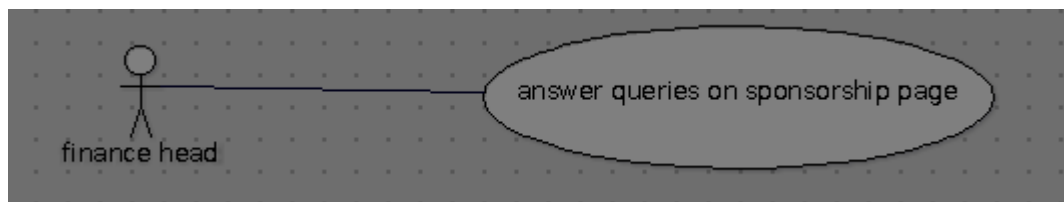
Description:
1. The finance head opens the portal.
2. He/She selects the login button.
3. The finance head selects the "Answer Query on Sponsership Page" button.
4. The finance head selects the query he/she wishes to answer.

3) Special Nights' Finance Usecase

Diagram :
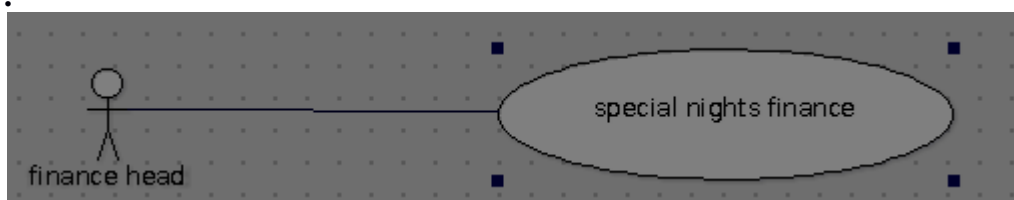
Description:
1. The finance head opens the portal.
2. He/She selects the login button.
3. The finance head selects the "Special Nights' Finance" button.
4. The finance head manages the funding of different events.

4) Reports Usecase
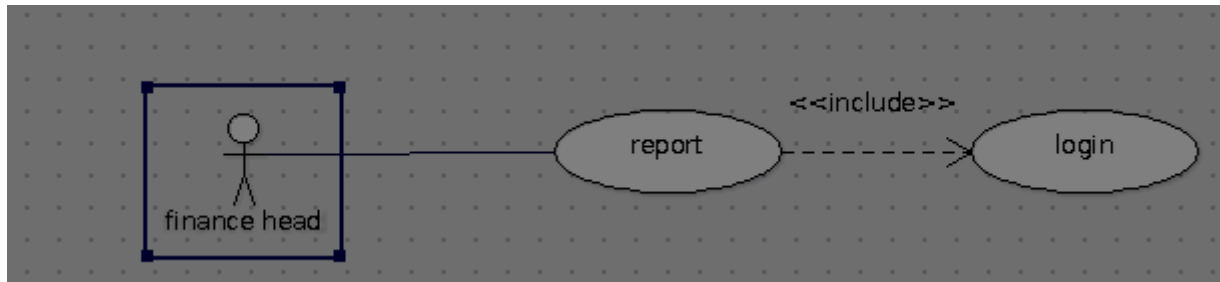
Diagram:

Description:
1.The finance head logs in using his ID.
2.He makes a report of all actions taken.
3.He sends a mail to the convenor.

Event head usecases
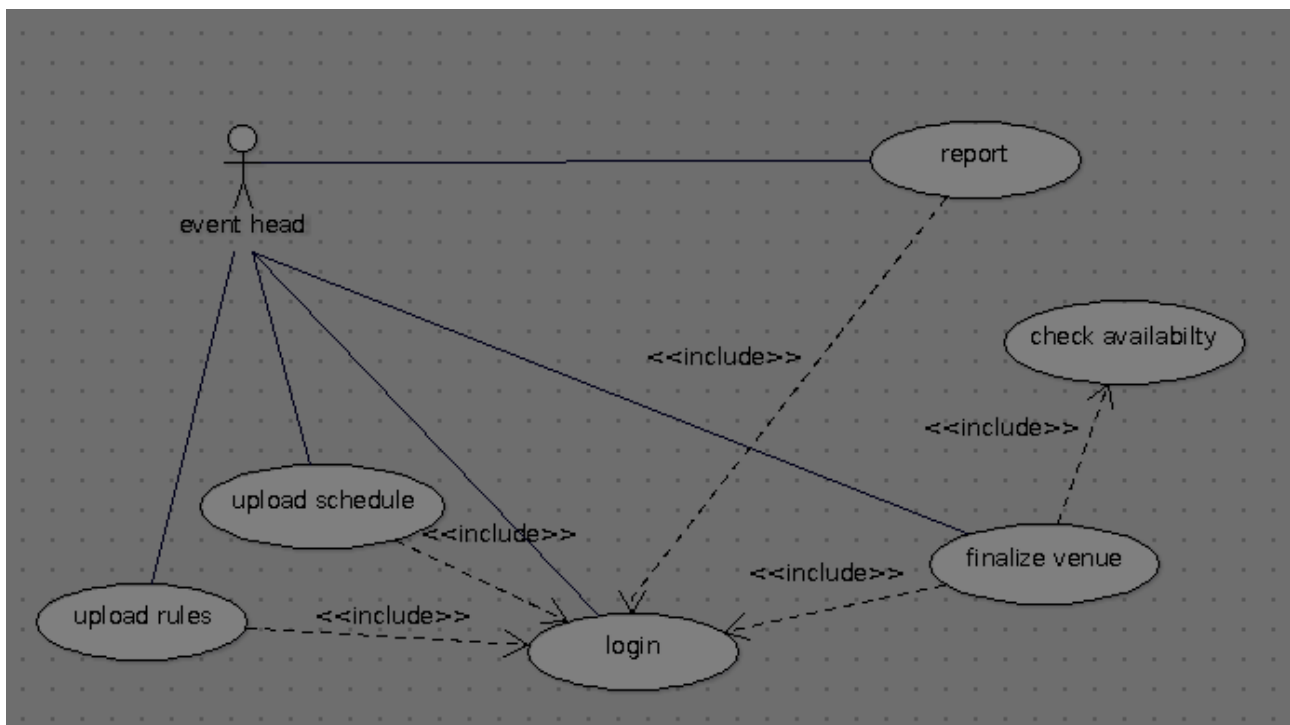
1) Upload Schedule Usecase

Diagram:
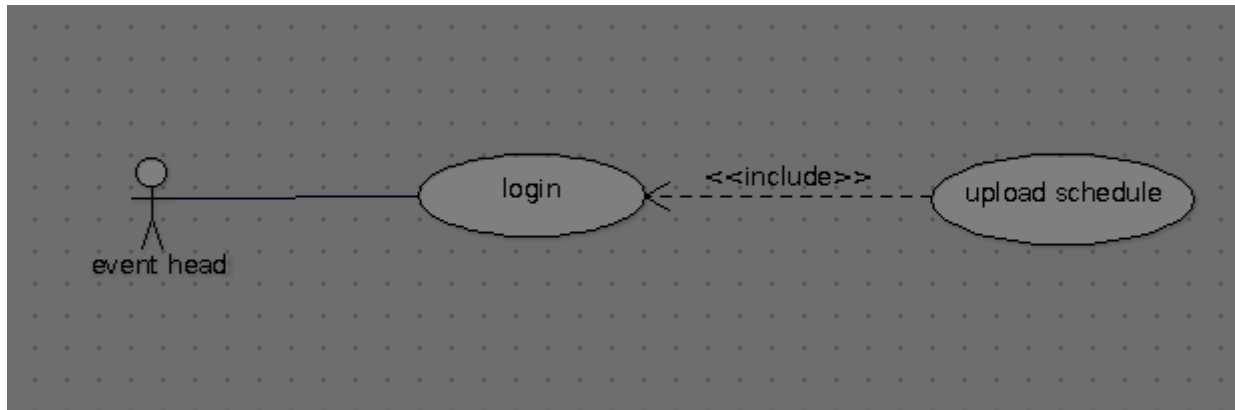
Description:
1.The event head logs in using his ID.
2.The Event head reviews the schedule to check for clashes.
3.He uploads the complete schedule on to the webpage.

2) Finalize venue usecase

Diagram:
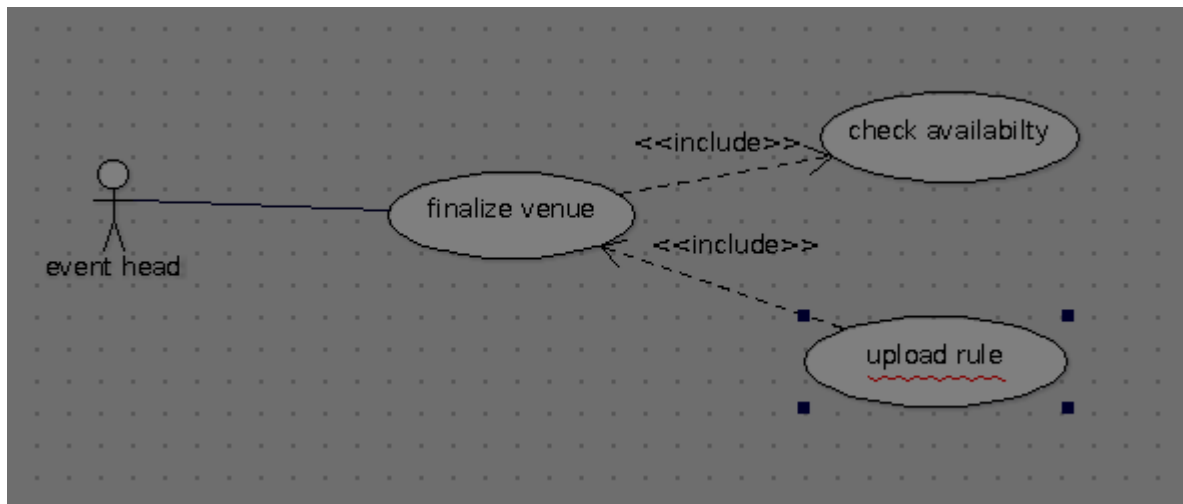
Description:
1.The event head logs in using his ID.
2.He reviews the venue list to check for clashes.
3.He ensures that the rooms have been booked.
4.He selects the Finalize venue option.

3) Upload Rules usecase

Diagram:
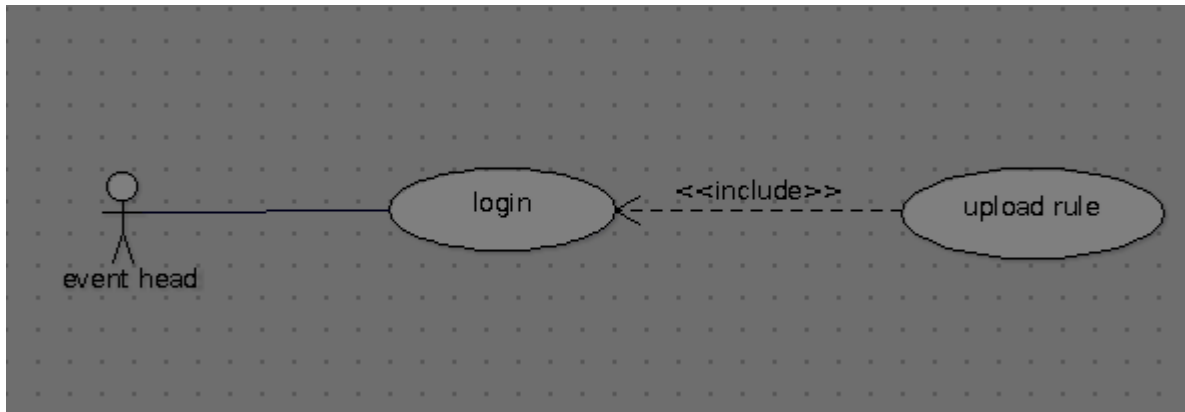
Description:
1.The event head logs in using his ID.
2.He compiles the rulebook handout.
3.He selects the upload file option,
4.He adds the Rulebook file.

4) Reports Usecase
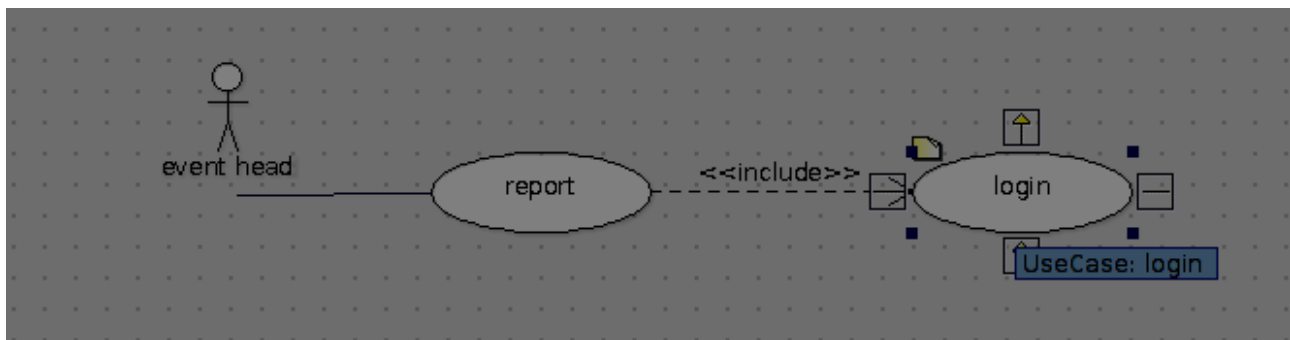
Diagram:

Description:
1.The event head logs in using his ID.
2.He makes a report of all actions taken.
3.He sends a mail to the convenor.

Hostel Representative Use Case

The hostel representatives extends hostel members actors. So all the usecases of the hostel members are accessible to Hostel representative.

Diagram:
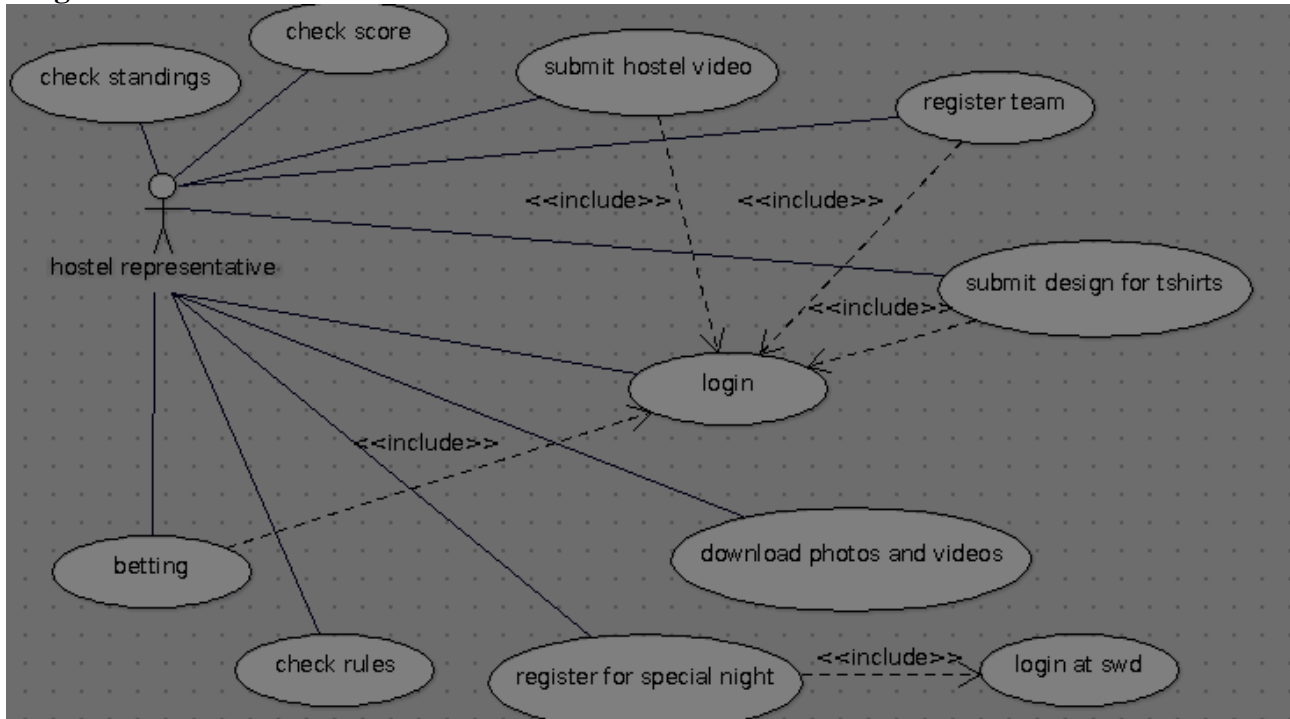
1) Submit hostel video use case

Diagram:
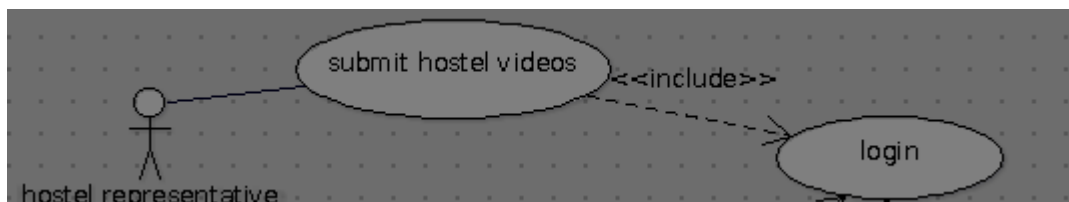
Description

1. The Hostel representative logs in using his ID
2. He selects the upload hostel video option and
3. He uploads the file on the portal

2) Register Team use case

Diagram:
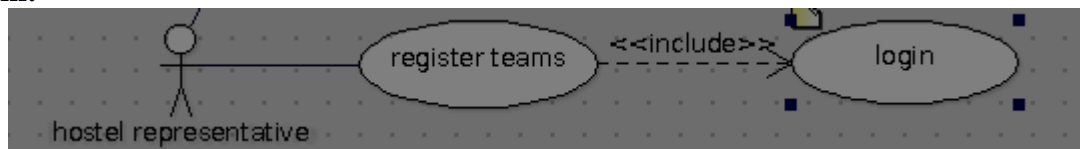
Description

1. The Hostel representative logs in using his ID
2. He selects the register team option
3. He selects the event
4. He enters the names and the ID of all the hostel members interested in participating

3) Submit design for tshirts use case

Diagram:

Description

1. The Hostel representatives logs in using his ID
2. He selects the option to submit the final design for hostel tshirts

4) Betting usecase

Diagram:
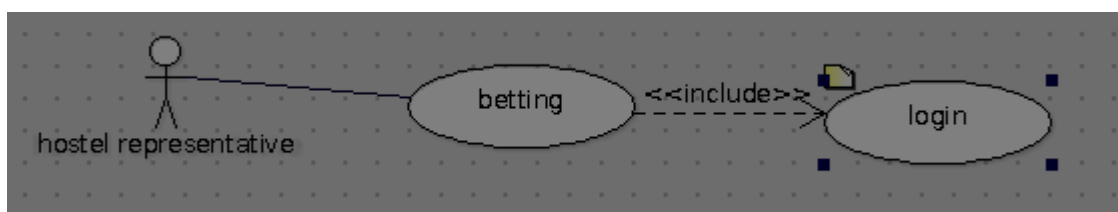
Description
1. The Hostel representatives logs in using his ID.
2. He selects the place betting option.
3. He cofirms the amount placed.
4. He selects confir betting option.

DOPY Use Case

Diagram
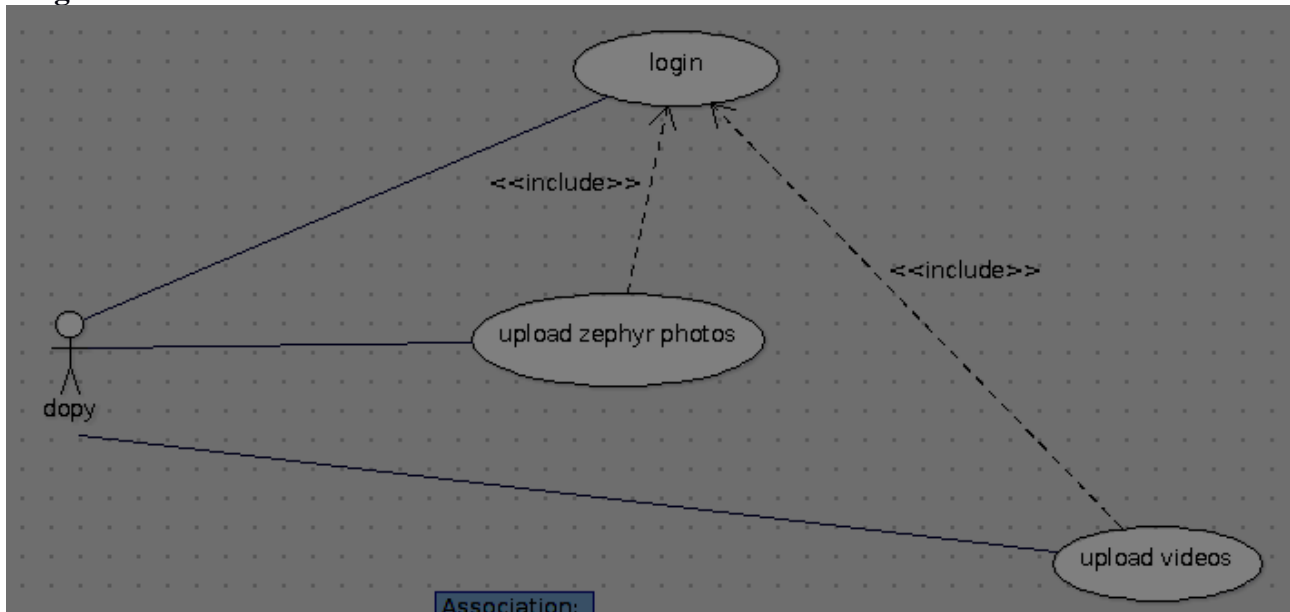
1) Use case: Upload Zephyr Photographs.

Diagram:
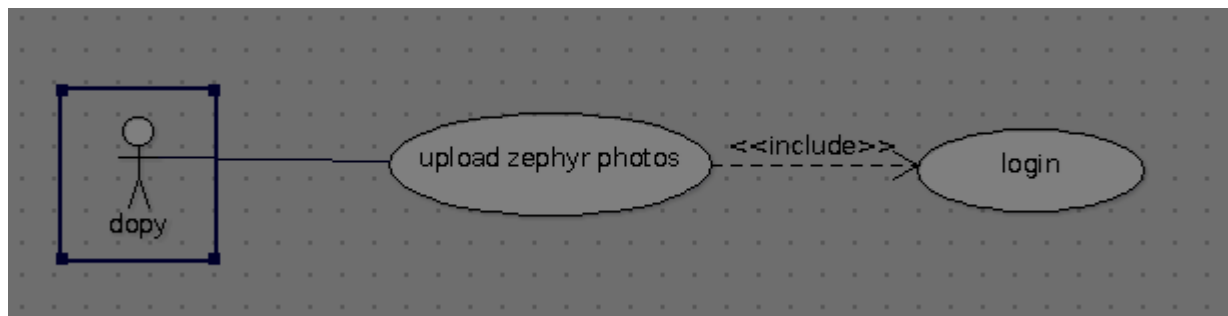
Description:

1. The DOPY member logs in using his ID.
2. The DOPY member chooses the upload photographs option.
3. The DOPY member then clicks on browse to select photographs and uploads them.
4. The application adds the uploaded photographs to the gallery list.

2) Use case: Upload Videos.

Diagram:
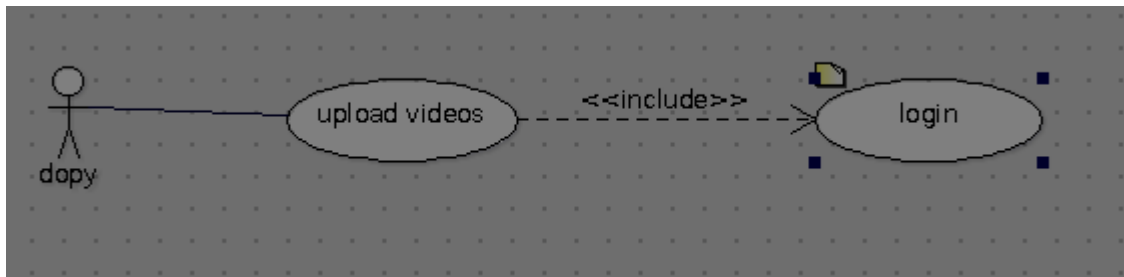
Description:

1. The DOPY member logs in using his ID.
2. The DOPY member chooses the upload videos option.
3. The DOPY member then clicks on browse to select videos and uploads them.
4. The application adds the uploaded photographs to the gallery list.

Sponsor Use Case

Use case: Enquire on sponsorship page.

Diagram:
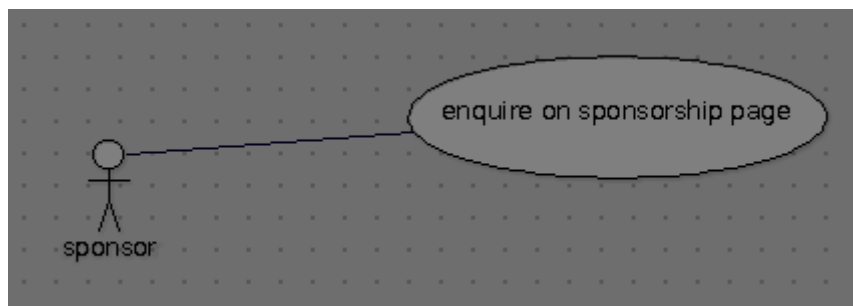
Description:

1. The sponsor clicks on the 'Become a Sponsor' option.
2. The sponsor then fills in details, and send an email to the sponsor head.
3. After approval, the sponsor gets a confirmation code and an appropriate response from the sponsor head.

Functional Requirements

3.2.1 Login

Use Case Name	Login
XRef	
Trigger	The user selects the login button on the Web App.
Precondition	The login option is available on the first page of the App.
Basic Path	1. It will ask the username and password of the user. 2. The user will press login.
Alternative Paths	None.
Post Condition	The user will be taken to another page which will have all the facilities provided by the first page and additional facilities depending on the type of the user: If it is a hostel representative: 1. Submit hostel video. 2. Submit T-shirt design. 3. Submit participant details. 4. Submit betting details for events. If it is a judge: 1. Submit scores. If it is Dopy Coordinator: 1. Publish photos and videos If it is a member of the Managing Committee 1. Review/Publish hostel video. 2. View/Save T-Shirt designs. 3. Database management (modifying event details, finance details, score details, sponsor details, food stall list, etc.
Exception Paths	If invalid username and password combination is entered an error message is displayed.
Other	The type of users are predefined, and all of them have been provided with their username and password details beforehand.

3.2.2 Order Zephry T-shirt

Use Case Name	Order Zephry T-Shirt
XRef	
Trigger	The user selects the option 'Order Zephry T-Shirt'
Precondition	1. The user is on the first page of the App, or 2. The user has an account and after login is taken to another page containing all the details of the first page and additional facilities depending on who the user is.
Basic Path	On choosing this option the user is taken to the SWD website where the user has to login to order.
Alternative Paths	The user directly visits the SWD website
Post Condition	The user can then again access the Web App, if the user wishes to.
Exception Paths	In SWD website if invalid username and password combination is entered an error message is displayed.
Other	None

3.2.3 Registration for Special Nights

Use Case Name	Registration For Special Nights
XRef	
Trigger	The user selects the option 'Register For Special Nights'
Precondition	1. The user is on the first page of the App, or 2. The user has an account and after login is taken to another page containing all the details of the first page and additional facilities depending on who the user is.
Basic Path	On choosing this option the user is taken to the SWD website where the user has to login to register.
Alternative Paths	The user directly visits the SWD website
Post Condition	The user can then again access the Web App, if the user wishes to.
Exception Paths	In SWD website if invalid username and password combination is entered an error message is displayed.
Other	None

3.2.4 Submit Participant Details

Use Case Name	Submit Participant Details
XRef	
Trigger	The user selects the option 'Submit Participant Details'.
Precondition	The user is a 'Hostel Representative' and has an account. The user has to login and is taken to another page containing all the details of the first page of the Web App and additional facilities which includes submission of participant details.
Basic Path	1. The user is taken to another page where the Web App provides the list of events. 2. The user then provides the details of the participants (name, id, phone number and email-id) for each event. 4. The user selects the 'Submit' button.
Alternative Paths	None.
Post Condition	Once the details are submitted, a message is displayed for the same. An option 'Go Back' is also provided to go back to the user's main page.
Exception Path	If the details do not satisfy the constraints of each event , then an error message is displayed For example, 1. One student cannot be two different events at the same time. 2. Number of participant details cannot exceed the limits....etc.
Other	The constraints will be based on the database, i.e., the constraint details given by the Managing Committee for each event. If new events are added then it will automatically be added to the 'Submit Participant Details' page and notification for the same will be published on the main page of the user. The Hostel Representative can modify the list before a specific date given by the Managing Committee. If the Hostel Representative comes back to modify the list, then it will be able to view the previously submitted list, so that they can change only specific fields and not retype the whole list again. The submitted list is then added/updated to the database.

3.2.5 Submit Hostel Video

Use Case Name	Submit Hostel Video
XRef	
Trigger	The user selects the option 'Submit Hostel Video'.
Precondition	The user is a 'Hostel Representative' and has an account. The user has to login and is taken to another page containing all the details of the first page of the Web App and additional facilities which includes submission of hostel video.
Basic Path	1. The user is taken to another page to upload the video. 2. The user then clicks browse button, the user then selects the file. 4. The user selects the 'Upload button'.
Alternative Paths	None.
Post Condition	Once the video is submitted, a message is displayed for the same. An option 'Go Back' is also provided to go back to the user's main page.
Exception Path	If the video exceeds a certain limit, or the video type is not supported, then an error message is displayed.
Other	The video can be modified only before a specific time, after which no file will be allowed to be uploaded. The video submitted by the Hostels can then be viewed by the Managing Committee which if approved, will be published on the Web App and will be sent for the event where the best hostel video is chosen. The 'Upload' button will be disabled until the user specifies the file path.

3.2.6 Submit T-Shirt Design

Use Case Name	Submit T-Shirt Design
XRef	
Trigger	The user selects the option 'Submit T-Shirt Design'.
Precondition	The user is a 'Hostel Representative' and has an account. The user has to login and is taken to another page containing all the details of the first page of the Web App and additional facilities which includes submission of t-shirt design.
Basic Path	1. The user is taken to another page to upload the design. 2. The user then clicks browse button, the user then selects the file. 4. The user selects the 'Upload button'.
Alternative Paths	None.
Post Condition	Once the design is submitted, a message is displayed for the same. An option 'Go Back' is also provided to go back to the user's main page.
Exception Path	If the file exceeds a certain limit, or the file type is not supported, then an error message is displayed.
Other	The design can be modified only before a specific date given by the Managing Committee after which no change will be entertained. The final design submitted by the HR will be submitted to the SWD website by the Managing Committee so that the students can order t-shirts from the SWD website. The 'Upload' button will be disabled until the user specifies the file path.

3.2.7 Submit Betting Details

Use Case Name	Submit Betting Details
XRef	
Trigger	The user selects the option 'Submit Betting Details'.
Precondition	The user is a 'Hostel Representative' and has an account. The user has to login and is taken to another page containing all the details of the first page of the Web App and additional facilities which includes submission of betting details.
Basic Path	1. The user is provided with a list of various events in the fest. 2. If the user is sure to win some events then the user will select those events. 3. After selection the user selects 'Submit' button.
Alternative Paths	None.
Post Condition	Once the betting is submitted, a message is displayed for the same. An option 'Go Back' is also provided to go back to the user's main page.
Exception Path	None.
Other	Once a betting is done for an event, it cannot be changed and that event is removed from the betting list. Also once an event has started, that event is also removed from the betting list.

3.2.8 Submit Scores

Use Case Name	Submit Scores
XRef	
Trigger	The user selects the option 'Submit Scores'.
Precondition	The user is a 'Judge' and has an account. The user has to login and is taken to another page containing all the details of the first page of the Web App and additional facilities which includes submission of scores.
Basic Path	1. The user is taken to another page to upload the results. 2. The Web App will provide a list of events in which the user has been a judge and whose scores have not been entered yet. 4. The judge chooses the winners from the list provided 5. Selects 'Submit' button to submit the result.
Alternative Paths	None.
Post Condition	Once the scores are submitted, a message is displayed for the same. An option 'Go Back' is also provided to go back to the user's main page.
Exception Path	If winners are not chosen and 'Submit' option is chosen then an error message is displayed.
Other	The scores cannot be modified once entered. Also if an event is judged by more than one person, then only one person can add the results. Based on the winners the scores are updated in the database.

3.2.9 Publish Photos and Videos

Use Case Name	Publish Photos and Videos

XRef	
Trigger	The user selects the option 'Publish Photos and Videos'.
Precondition	The user is a DoPy Coordinator and has an account. The user has to login and is taken to another page containing all the details of the first page of the Web App and additional facilities which includes publishing photos and videos.
Basic Path	The user is taken to another page where the Web App gives a list of options, the user can choose any one of the option: Upload photos: 1. On selecting this option, the user is taken to another page to upload a photo. 2. The user selects the 'Browse' option, and selects a photo in the system. 4. Then the title of the photo in entered in the text box provided. 3. The 'Upload' option is then selected. Upload videos: 1. On selecting this option, the user is taken to another page to upload a video. 2. The user selects the 'Browse' option, and selects a photo in the system. 4. Then the title of the video in entered in the text box provided. 3. The 'Upload' option is then selected. Delete photos: 1. On selecting this option, the user is taken to another page where a list is provided with photo titles and the upload date and time. 2. The user selects the photos to be deleted. 3. The 'Delete' option is then selected. Delete videos: 1. On selecting this option, the user is taken to another page where a list is provided with photo titles and the upload date and time. 2. The user selects the photos to be deleted. 3. The 'Delete' option is then selected. Go Back: 1. On selecting this option, the user is taken back to the main page.
Alternative Paths	None.
Post Condition	Once the intended job (upload/delete) is done, a message is displayed for the same and an option 'Go Back' is provided to go back to the menu on the 'Upload Photos and Videos' page.
Exception Path	If the file uploaded exceeds a certain limit, or the file type is not supported, then an error message is displayed.
Other	If the limit of number of photos/videos uploaded exceeds then the user can no longer upload any. If there are no photos/videos to be deleted then a message will be displayed for the same. The uploaded photos/videos are displayed on the first page of the Web App.

3.2.10 Review/Publish Hostel Videos

Use Case Name	Review/Publish Hostel Videos
XRef	
Trigger	The user selects the option 'Review/Publish Hostel Videos'.
Precondition	The user is a member of the 'Zephyr Managing Committee' and has an account. The user has to login and is taken to another page containing all the details of the first page of the Web App and additional facilities which includes Review/Publish Hostel Videos
Basic Path	The user is taken to another page where the Web App gives a list of options, the user can choose any one of the option: View 1. The user is taken to another page where it can view a list of videos uploaded by the 'Hostel Representatives', hostel name and upload date. 2. The user can download those videos. Publish 1. The user is taken to another page where it can view a list of videos uploaded by the 'Hostel Representatives', hostel name and upload date. 2. The user selects among the list any one video, after which the 'Publish' option is enabled. 3. The user selects 'Publish' option. Remove 1. On selecting this option, the user is taken to another page where it is asked to confirm whether he/she wants to remove the video already uploaded. In case no video was uploaded before, the user will be notified that there is no video to be deleted. Go Back 1. On selecting this option the user is taken back to the user's main page.
Alternative Paths	In case Dopy Coordinator has access to any hostel video, then he/she can publish those videos too.
Post Condition	An option 'Go Back' is also provided to go back to the user's main page.
Exception Path	None
Other	The videos are used for an event in Zephyr where the best hostel video is chosen. The user can publish only one video on the Web App. If the user later selects to publish any other video on the Web App, then the previously uploaded video is automatically removed.

3.2.11 View/Save T-shirt Designs

Use Case Name	View/Save T-Shirt Designs
XRef	
Trigger	The user selects the option 'View/Save T-Shirt Designs'.
Precondition	The user is a member of the 'Zephyr Managing Committee' and has an account. The user has to login and is taken to another page containing all the details of the first page of the Web App and additional facilities which includes view/save t-shirt designs.
Basic Path	1. The user is taken to another page where it can view a list of designs uploaded by the 'Hostel Representatives', hostel name and upload date. 2. The user can download those files.
Alternative Paths	None.
Post Condition	An option 'Go Back' is also provided to go back to the user's main page.
Exception Path	None
Other	These t-shirt designs are sent to the SWD, so that the students can order these t-shirts.

3.2.12 Database Management

Use Case Name	Database Management
XRef	
Trigger	The user selects the option 'Database Management'.
Precondition	The user is a member of the 'Zephyr Managing Committee' and has an account. The user has to login and is taken to another page containing all the details of the first page of the Web App and additional facilities which includes database management.
Basic Path	The user is taken to another page where the Web App gives a list of options, the user can choose any one of the option: 1. Events To add/modify/view the various details of the events in Zephyr like name of the event, type of event, date, time, venue, duration, number of judges, name of the judges, if the room required for the event is booked, etc. The user can also delete any particular event from the database. There is an option called 'Update' when selected the events time-table of the Web App will be updated. 2. Score Card To view/modify the various score details of the events. Also if any hostels have participated in all events then bonus marks are given to them. If any hostel wins in a betting then extra marks are given to that hostel. If any

hostel loses in a betting then marks are deducted from that hostel. There is an option called 'Update', when selected the scorecard on the first page of the Web App will be updated.

3. Sponsors
To add/view/modify sponsor details like name of the sponsor, finance, provided, contact details, advertisement resources provided, etc. The user can delete any particular sponsor from the database. Also the user can view the net financial assistance provided from the sponsors together.

4. Performers
To add/view/modify the details of the performers of special events like name of the performer, type of event, fees quoted, contact details, description of the special event, date, time, etc. The user can delete any particular performer from the database. Also the user can view the net fees to given to all the performers together.

5. Participants
The list of all participants that are provided by the hostel representatives can be viewed by the user by selecting this option. In case the Convenor does not approve the list, he can delete it thus notifying the hostel representative to submit a new list of participants.

6. Departments
By selecting this option the user will be able to store/modify the various details of the departments working in the festival like Arts N Deco, DoPy, Backstage, etc. Details include name of the department, contact details, description of the work done and the total financial assistance provided to them. The user can also view the net total financial assistance given to the department in total.

7. Backstage
By selecting this option the user will be able to view when, where, and for events the Backstage will be required. For example: if the event occurs in Auditorium then the assistance of Backstage will be required for that event.

8. Food Stall
To add/view/modify details of the food stalls. Details include name of the stall, contact details, finance gained, etc.

9. Other Financial Expenses
This option is selected to add any other financial expenses during the fest, date and description about it.

10. Transaction
This option is selected to view the total amount spent and received. This is calculated from the already stored database.

11. Book rooms
This option is selected to view the events for which rooms have been already booked and which are pending.

Alternative Paths	None.
Post Condition	An option 'Go Back' is also provided to go back to the user's main page.
Exception Path	Any exceptions, might only occur while entering data: For example: entering the wrong type of data, or selecting delete option in event even if there is no event present, etc. These types of errors will be handled smoothly while coding the software.
Other	On the first page of the Web App any person can view the timetable of the events which will automatically be drawn and updated according to the database stored for the events. On the first page of the Web App any person can view the scoreboard that is automatically updated according to the database for the score card.

3.2.13 Sponsor Application

Use Case Name	Sponsor Application
XRef	
Trigger	The user selects the option 'Sponsor application'.
Precondition	The user is on the first page of the App.
Basic Path	The user is directed to an e-mail page, where the email of the required recipient is already provided. The user enters his/her organization details and contact information. The message is then sent
Alternative Paths	None.
Post Condition	The message is sent to the Managing committee member who then contacts the Sponsors.
Exception Path	None
Other	