

# Use Case Specification: Create A Discussion Board Post

## 1. Create A Discussion Board Post

### 1.1 Brief Description

This use case describes how a user will create a discussion board post by using the website. The user will navigate to the discussion area of the website and click the create discussion button to start the process. At that time, they will be prompted to enter a title and message for the new discussion board.

## 2. Flow of Events

### 2.1 Basic Flow

- 2.1.1 The user submits a title.
- 2.1.2 The user submits a post message.
- 2.1.3 The discussion board title is checked to make sure its not blank.
- 2.1.4 The post message is checked to make sure its not blank.
- 2.1.5 The post is stored in the database.

### 2.2 Alternative Flows

- 2.2.1 Users leaves the post title blank

The system will return an error message to the user asking for a corrected input.

- 2.2.2 Users leaves the post message blank

The system will return an error message to the user asking for a corrected input.

## 3. Special Requirements

There are no special requirements associated with this use case.

## 4. Pre-conditions

- 4.1 Active internet connection
- 4.2 User must be logged in

## 5. Post-conditions

There are no post-conditions associated with this use case.

## 6. Extension Points

There are no extension points associated with this use case.

# Use Case Specification: Edit A Discussion Board Post

## 7. Edit A Discussion Board Post

### 7.1 Brief Description

This use case describes how a user will edit a discussion board post by using the website. The user will navigate to the discussion area of the website and click on a discussion then click on the edit button to start the process. At that time, they will be prompted to edit the title and message for the post.

## 8. Flow of Events

### 8.1 Basic Flow

- 8.1.1 The system fetches the original post.
- 8.1.2 The system displays the original post in an editable form.
- 8.1.3 The user submits an updated post title.
- 8.1.4 The user submits an updated post message.
- 8.1.5 The discussion board title is checked to make sure its not blank.
- 8.1.6 The post message is checked to make sure its not blank.
- 8.1.7 The post is updated in the database.

### 8.2 Alternative Flows

- 8.2.1 Users leaves the post title blank
  - The system will return an error message to the user asking for a corrected input.
- 8.2.2 Users leaves the post message blank
  - The system will return an error message to the user asking for a corrected input.

## 9. Special Requirements

There are no special requirements associated with this use case.

## 10. Pre-conditions

- 10.1 Active internet connection
- 10.2 User must be logged in
- 10.3 User must be the author of the original post or an admin

## **11. Post-conditions**

There are no post-conditions associated with this use case.

## **12. Extension Points**

There are no extension points associated with this use case.

# Use Case Specification: Delete A Discussion Board Post

## 13. Delete A Discussion Board Post

### 13.1 Brief Description

This use case describes how a user will delete a discussion board post by using the website. The user will navigate to the discussion area of the website and click on the post they want to remove and click on delete post button to start the process. At that time, they will be prompted to confirm their actions.

## 14. Flow of Events

### 14.1 Basic Flow

14.1.1 The user starts the deletion process by click on the delete button.

14.1.2 The system prompts the user to confirm their actions.

14.1.3 The user confirms their actions.

14.1.4 The post is dropped from the database.

### 14.2 Alternative Flows

There are no alternative flows associated with this use case.

## 15. Special Requirements

There are no special requirements associated with this use case.

## 16. Pre-conditions

16.1 Active internet connection

16.2 User must be logged in

16.3 User must be the author of the original post or an admin

## 17. Post-conditions

There are no post-conditions associated with this use case.

## 18. Extension Points

There are no extension points associated with this use case.

# Use Case Specification: View Discussion Board

## 19. View Discussion Board

### 19.1 Brief Description

This use case describes how a user can view a discussion board on the website. The user will navigate to the discussion area of the website and be shown a list of discussion board to view. They can then click on a specific discussion board to view it.

## 20. Flow of Events

### 20.1 Basic Flow

20.1.1 The system fetches a list of all discussion boards from the database.

20.1.2 The users is shown the list of discussion board titles.

20.1.3 The user clicks on a title to view the discussion board.

20.1.4 The system fetches the discussion board from the database.

20.1.5 The system displays the discussion board to the user.

### 20.2 Alternative Flows

There are no alternative flows associated with this use case.

## 21. Special Requirements

There are no special requirements associated with this use case.

## 22. Pre-conditions

22.1 Active internet connection

22.2 User must be logged in

## 23. Post-conditions

There are no post-conditions associated with this use case.

## 24. Extension Points

There are no extension points associated with this use case.

# Use Case Specification: Create An Event On The Calendar

## 25. Create An Event On The Calendar

### 25.1 Brief Description

This use case describes how a user will create an event on the calendar. The user will navigate to the calendar portion of the website and click the add event button to start the process. At that time, they will be prompted to enter a title, description, start date, start time, end date, and end time for the new event.

## 26. Flow of Events

### 26.1 Basic Flow

- 26.1.1 The user clicks on the create event button.
- 26.1.2 The system displays an event creation form.
- 26.1.3 The user submits an event title.
- 26.1.4 The user submits an event description.
- 26.1.5 The user submits an event start date.
- 26.1.6 The user submits an event start time.
- 26.1.7 The user submits an event end date.
- 26.1.8 The user submits an event end time.
- 26.1.9 The event title is checked to make sure its not blank.
- 26.1.10 The event description is checked to make sure its not blank.
- 26.1.11 The event start date is checked to make sure its not blank.
- 26.1.12 The event start time is checked to make sure its not blank.
- 26.1.13 The event end date is checked to make sure its not blank.
- 26.1.14 The event end time is checked to make sure its not blank.
- 26.1.15 The event is stored in the database.

## **26.2 Alternative Flows**

### 26.2.1 Users leaves the event title blank

The system will return an error message to the user asking for a corrected input.

### 26.2.2 Users leaves the event description blank

The system will return an error message to the user asking for a corrected input.

### 26.2.3 Users leaves the event start date blank or invalid.

The system will return an error message to the user asking for a corrected input.

### 26.2.4 Users leaves the event start time blank or invalid.

The system will return an error message to the user asking for a corrected input.

### 26.2.5 Users leaves the event end date blank or invalid.

The system will return an error message to the user asking for a corrected input.

### 26.2.6 Users leaves the event end time blank or invalid.

The system will return an error message to the user asking for a corrected input.

## **27. Special Requirements**

There are no special requirements associated with this use case.

## **28. Pre-conditions**

28.1 Active internet connection

28.2 User must be logged in

28.3 User must be the author of the original event or an admin

## **29. Post-conditions**

There are no post-conditions associated with this use case.

## **30. Extension Points**

There are no extension points associated with this use case.



# Use Case Specification: Edit An Event On The Calendar

## 31. Edit An Event On The Calendar

### 31.1 Brief Description

This use case describes how a user will edit an event on the calendar. The user will navigate to the calendar portion of the website and click on an event. At that time, an edit button will appear. If the user clicks on the edit button, they will be prompted to enter an updated title, description, start date, start time, end date, and end time for the new event.

## 32. Flow of Events

### 32.1 Basic Flow

- 32.1.1 The user clicks on the update event button.
- 32.1.2 The system displays an event creation form.
- 32.1.3 The user submits an event title.
- 32.1.4 The user submits an event description.
- 32.1.5 The user submits an event start date.
- 32.1.6 The user submits an event start time.
- 32.1.7 The user submits an event end date.
- 32.1.8 The user submits an event end time.
- 32.1.9 The event title is checked to make sure its not blank.
- 32.1.10 The event description is checked to make sure its not blank.
- 32.1.11 The event start date is checked to make sure its not blank.
- 32.1.12 The event start time is checked to make sure its not blank.
- 32.1.13 The event end date is checked to make sure its not blank.
- 32.1.14 The event end time is checked to make sure its not blank.
- 32.1.15 The event is updated in the database.

## **32.2 Alternative Flows**

### 32.2.1 Users leaves the event title blank

The system will return an error message to the user asking for a corrected input.

### 32.2.2 Users leaves the event description blank

The system will return an error message to the user asking for a corrected input.

### 32.2.3 Users leaves the event start date blank or invalid.

The system will return an error message to the user asking for a corrected input.

### 32.2.4 Users leaves the event start time blank or invalid.

The system will return an error message to the user asking for a corrected input.

### 32.2.5 Users leaves the event end date blank or invalid.

The system will return an error message to the user asking for a corrected input.

### 32.2.6 Users leaves the event end time blank or invalid.

The system will return an error message to the user asking for a corrected input.

## **33. Special Requirements**

There are no special requirements associated with this use case.

## **34. Pre-conditions**

### 34.1 Active internet connection

### 34.2 User must be logged in

## **35. Post-conditions**

There are no post-conditions associated with this use case.

## **36. Extension Points**

There are no extension points associated with this use case.

# Use Case Specification: Delete An Event On The Calendar

## 37. Delete An Event On The Calendar

### 37.1 Brief Description

This use case describes how a user will delete an event on the calendar. The user will navigate to the calendar portion of the website and click on an event. At that time, a delete button will appear. If the user clicks on the delete button, they will be prompted to confirm their actions.

## 38. Flow of Events

### 38.1 Basic Flow

38.1.1 The user starts the deletion process by click on the delete button.

38.1.2 The system prompts the user to confirm their actions.

38.1.3 The user confirms their actions.

38.1.4 The event is dropped from the database.

### 38.2 Alternative Flows

There are no alternative flows associated with this use case.

## 39. Special Requirements

There are no special requirements associated with this use case.

## 40. Pre-conditions

40.1 Active internet connection

40.2 User must be logged in

40.3 User must be the author of the original event or an admin

## 41. Post-conditions

There are no post-conditions associated with this use case.

## 42. Extension Points

There are no extension points associated with this use case.

# Use Case Specification: Search Frequent Asked Questions

## 43. Search Frequent Asked Questions

### 43.1 Brief Description

This use case describes how a user will search a FAQ database on the website. The user will navigate to the FAQ page the website and enter a search term and click the search button. At that time, a list of search results will appear that the user can click on to read the related article.

## 44. Flow of Events

### 44.1 Basic Flow

- 44.1.1 The users submit a keyword.
- 44.1.2 The submission is checked to make sure its not blank.
- 44.1.3 The system fetches all FAQ articles that have that keyword in them.
- 44.1.4 The system displays the results to the user.
- 44.1.5 The user clicks on an article to open it.
- 44.1.6 The system fetches the article.
- 44.1.7 The system displays the article.

### 44.2 Alternative Flows

- 44.2.1 Users leaves the keyword blank

The system will return an error message to the user asking for a corrected input.

## 45. Special Requirements

There are no special requirements associated with this use case.

## 46. Pre-conditions

- 46.1 Active internet connection

## 47. Post-conditions

There are no post-conditions associated with this use case.

## 48. Extension Points

There are no extension points associated with this use case.

# Use Case Specification: User Login

## 49. User Login

### 49.1 Brief Description

This use case describes how a user will log into the website. They will navigate to or be redirected to the login page to start the process. At that time, they will be prompted to enter an email address and password for authentication.

## 50. Flow of Events

### 50.1 Basic Flow

50.1.1 The system will prompt the user to provide their credentials.

50.1.2 The user submits their email address.

50.1.3 The user submits their password.

50.1.4 The email address is checked to make sure its not blank.

50.1.5 The password is checked to make sure its not blank.

50.1.6 The system checks if the email address exists in the database.

50.1.7 The system checks if the password is correct.

50.1.8 The system creates the user's session.

### 50.2 Alternative Flows

50.2.1 Users leaves the email address blank

The system will return an error message to the user asking for a corrected input.

50.2.2 Users leaves the password blank

The system will return an error message to the user asking for a corrected input.

50.2.3 Users does not exist in the database

The system will return an error message to the user asking for a corrected input.

50.2.4 Users enters an invalid password

The system will return an error message to the user asking for a corrected input.

The system will record the failed login attempt.

## 51. Special Requirements

There are no special requirements associated with this use case.

## **52. Pre-conditions**

52.1 Active internet connection

## **53. Post-conditions**

There are no post-conditions associated with this use case.

## **54. Extension Points**

There are no extension points associated with this use case.

# Use Case Specification: Backup Mentoring System

## 55. Backup Mentoring System

### 55.1 Brief Description

This use case describes how an admin will backup the website and database. The admin will navigate to Drupal administration area of the website and click on the backup and migrate module and then click on backup. At that time, they will be prompted to select what they want to backup and where to back it up to.

## 56. Flow of Events

### 56.1 Basic Flow

- 56.1.1 The admin submits which database to be backed up.
- 56.1.2 The admin submits which files are to be backed up.
- 56.1.3 The admin submits which backup provider to use.
- 56.1.4 The system makes sure a database has been selected.
- 56.1.5 The system makes sure files have been selected.
- 56.1.6 The system makes sure the backup provider is working.
- 56.1.7 The system uploads the data to the backup provider.

### 56.2 Alternative Flows

- 56.2.1 The admin dose not select a database
  - The system will return an error message to the admin asking for a corrected input.
- 56.2.2 The admin dose not select any files
  - The system will return an error message to the admin asking for a corrected input.
- 56.2.3 The admin dose not select a backup provider
  - The system will return an error message to the admin asking for a corrected input.
- 56.2.4 The backup provider is offline
  - The system will return an error message to the admin.
- 56.2.5 The backup fails to upload
  - The system will email the admin.

## **57. Special Requirements**

There are no special requirements associated with this use case.

## **58. Pre-conditions**

58.1 Active internet connection

58.2 Must be an admin

## **59. Post-conditions**

There are no post-conditions associated with this use case.

## **60. Extension Points**

There are no extension points associated with this use case.



# Use Case Specification: Restore Mentoring System

## 61. Restore Mentoring System

### 61.1 Brief Description

This use case describes how an admin will restore the website and database. The admin will navigate to Drupal administration area of the website and click on the backup and migrate module and then click on restore. At that time, they will be prompted to select what they want to restore and where to restore it to.

## 62. Flow of Events

### 62.1 Basic Flow

- 62.1.1 The admin submits which backup provider to use.
- 62.1.2 The system makes sure the backup provider is working.
- 62.1.3 The system retrieves a list of backups.
- 62.1.4 The admin submits which database to be restored.
- 62.1.5 The admin submits which files are to be restored.
- 62.1.6 The system makes sure a database has been selected.
- 62.1.7 The system makes sure files have been selected.
- 62.1.8 The system downloads the data from the backup provider.

### 62.2 Alternative Flows

- 62.2.1 The admin dose not select a database  
The system will return an error message to the admin asking for a corrected input.
- 62.2.2 The admin dose not select any files  
The system will return an error message to the admin asking for a corrected input.
- 62.2.3 The admin dose not select a backup provider  
The system will return an error message to the admin asking for a corrected input.
- 62.2.4 The backup provider is offline  
The system will return an error message to the admin.
- 62.2.5 The backup fails to download  
The system will email the admin.

### **63. Special Requirements**

There are no special requirements associated with this use case.

### **64. Pre-conditions**

64.1 Active internet connection

64.2 Must be an admin

### **65. Post-conditions**

There are no post-conditions associated with this use case.

### **66. Extension Points**

There are no extension points associated with this use case.