**Name:**

**Identifier:**

**User story:**

**Inputs:**

**Outputs:**

**Preconditions:**

**Basic courses:**

**Alternate courses:**

**Post conditions:**

**Name:** *Create new post*

**Identifier:** *UC4*

**User story:** US4 – *As a member / moderator / administrator, I want to create a new post*

**Inputs:**

1. Description for post.
2. User ID.
3. Current Thread object.

**Outputs:**

1. A new post, added into the current thread by the user initiating action.

**Preconditions:**

1. User must log in as a member / moderator / administrator.
2. The current thread is capable to include a new post.
3. User must be in the front page (where all threads and posts are displayed) to create a new post.

**Basic courses:**

|  |  |
| --- | --- |
| **Actor:** *User* | **System** |
| 1. Click ‘Create Post’ button | 1.1 Request description for the post |
| 2. Enter description | 2.1 Create a new post with the given inputs  2.2 Add the created post into the current thread, and store it in the database  2.3 Display message notifying the post has been created successfully  2.4 Redirect user to the new post’s page |

**Alternate courses:**

* *Condition 1:* *The current thread is not able to include anymore posts (out of memory)*  
   In step 2, after user has submitted the description, the system displays the warning message, asks user to do this later, and notifies the system owner about the situation (to upgrade database for threads).
* *Condition 2*: *The description inputted is invalid* In step 2, after user has submitted the description, the system display a warning message for invalid input, and prompts user for another one.

**Post conditions:**

1. A new post is created and stored in the database. It must also be added to the current thread, and assigned the current user’s ID.

**Name:** *Edit post*

**Identifier:** *UC5*

**User story:** *US5 – As a member / moderator / administrator, I want to edit my own posts*

**Inputs:**

1. User ID.
2. New description for post.

**Outputs:**

1. The post with updated content according to user.

**Preconditions:**

1. User must be authorized to edit the post (that is, user must be the owner of the post).
2. The post must still be existed in the database.
3. User must log in as a member / moderator / administrator.
4. User must be in the post page to edit the post.

**Basic courses:**

|  |  |
| --- | --- |
| **Actor:** *User* | **System** |
| 1. Click ‘Edit Post’ button | 1.1 Check user authorization  1.2 Display current content of the post, and request new description for it |
| 2. Enter new description | 2.1 Update the content of the post according to the given input  2.2 Display message notifying that the change has been made successfully  2.3 Refresh the page and display the post with the newly modified content |

**Alternate courses:**

* *Condition 1: User is not authorized to edit the post* In step 1, after user has clicked the ‘Edit Post’ button, the system displays a message warning user that he/she is not allowed to edit this post.
* *Condition 2: The post is not existed in the database (e.g. removed by administrator)* In step 1, after user has clicked the ‘Edit Post’ button, the system display a message warning user that the post has been removed (e.g. by administrator).

**Post conditions:**

1. The post is modified accordingly in the database.

**Name:** *Post comment*

**Identifier:** *UC6*

**User story:** *US6 – As a member / moderator / administrator, I want to post a new comment*

**Inputs:**

1. Content of the comment.
2. User ID.
3. Current Post object.

**Outputs:**

1. The current post with the new comment added.

**Preconditions:**

1. The post needed to add comment into must exist in the database.
2. User must log in as a member / moderator / administrator.

**Basic courses:**

|  |  |
| --- | --- |
| **Actor:** *User* | **System** |
| 1. Choose and open a post page | 1.1 Display the post page |
| 2. Enter a comment in the text box |  |
| 3. Submit | 3.1 Create a new comment with the given inputs  3.2 Add the comment into the current post, and store it in the database  3.3 Display comment’s content in a block |

**Alternate courses:**

* *Condition 1: The current post needed to add comment into had been removed* In step 1, after user has chosen the post, the system display a message notifying user that the post had been removed.

**Post conditions:**

* The comment is added into the respective post successfully.
* The comment is stored in the database successfully.