- **Function**: Verify Photo

- **Description**: Ensure the photo uploaded is not damaged/corrupted and that it is linked to the correct user through the user ID/Post ID/Story ID etc.

- **Successful Scenario**: The photo is validated and is assigned to the correct user

- **Unsuccessful Scenario**: The System fails to verify the picture due to invalid media ID/URL.

- **Function**: Create post.

- **Description:** Create a new post with multiple media files attached to it and optionally include Location tags/Hashtags, Captions and Comments.

- **Successful Scenario:** The post is successfully posted, linked to the correct user through the user ID and shows up on the user news feed and other users following/followed by the user.

- **Unsuccessful Scenario:** The post is not successfully posted due to being linked to an invalid user ID or a corrupt post ID or a corrupt media URL/ID.

- **Function**: Search database.

- **Description**: Search the database for different types of information, User ID, Post ID, Story ID for example.

- **Successful Scenario**: The system successfully returns with the value it's intended to return.

- **Unsuccessful Scenario**: The system fails to return any value/returns a garbage value due to a conflict in the database or because of an invalid request.

- **Function**: Count Follower

- **Description:** Counts the number of followers of a user, increments the counter by 1 everytime the user follows a user.

- **Successful Scenario:** The counter is incremented by 1 upon following a user.

- **Unsuccessful Scenario:** The counter is incremented by 1 but does not refer to a valid user ID or the counter is not incremented at all despite following a valid user.

- **Function**: Count Like/Comment

- **Description:** Counts the number of likes and comments on a post posted by a user.

- **Successful Scenario:** The counter is incremented by 1 upon liking or commenting on a post.

- **Unsuccessful Scenario:** The counter is incremented by 1 but does not refer to a valid user ID or the counter is not incremented at all despite following a valid user.

- **Function**: Send Notification

- **Description**: Sends a pop up message to a user to notify them of a certain event.

- **Successful Scenario**: The message successfully pops up the same moment an event happens and refers to a valid event.

- **Unsuccessful Scenario**: The message fails to pop up causing the user to miss an event or The message pops up referring to an invalid event.