PHASE 4: DEVELOP USER INTERFACE
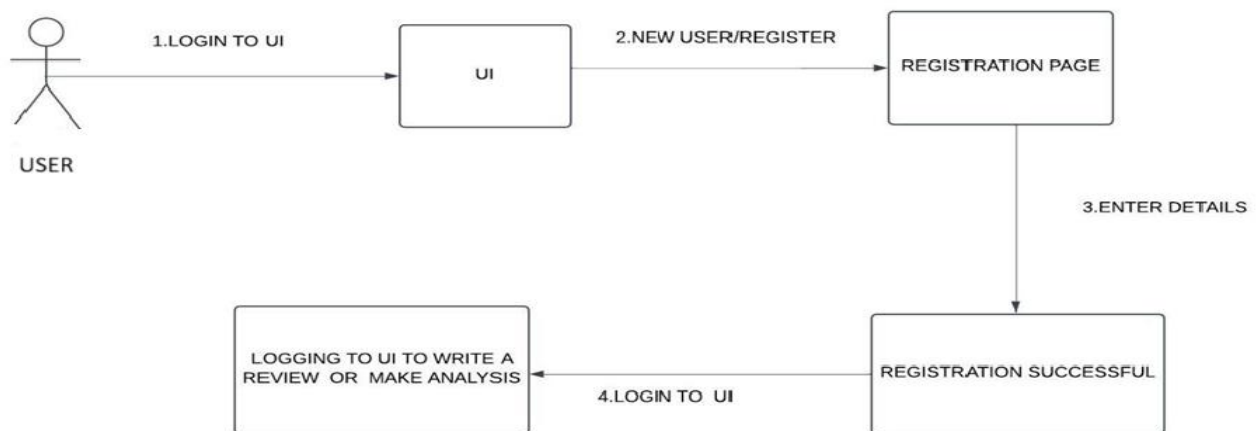
Reference GitHub link: https://github.com/anubhavs11/Fake-Product-Review-Monitoring
UI Implemented GitHub link: https://github.com/shravanimamidala/Project_Version2/tree/main

COMMUNICATION DIAGRAM FOR THE USE CASES:

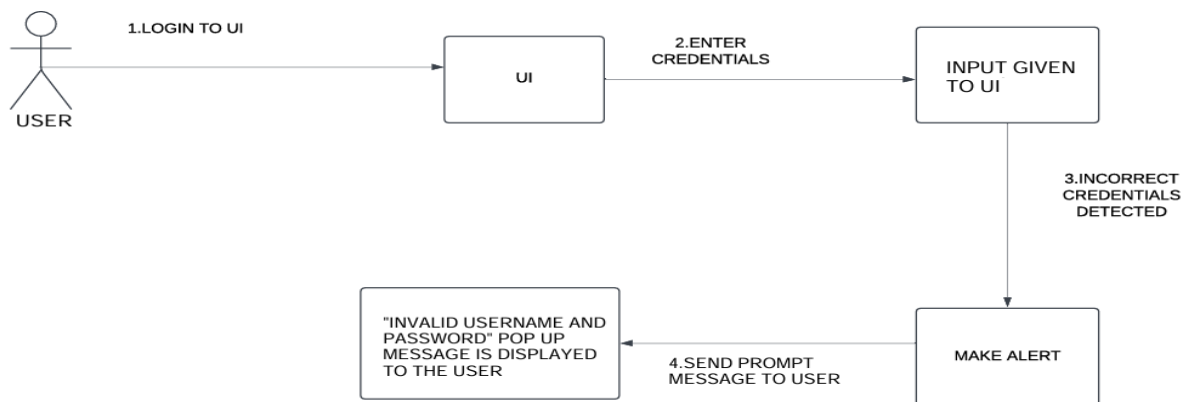**User is using "Fake Review Monitoring System" to submit a review about the product.**

Use case 1. Registering the New User

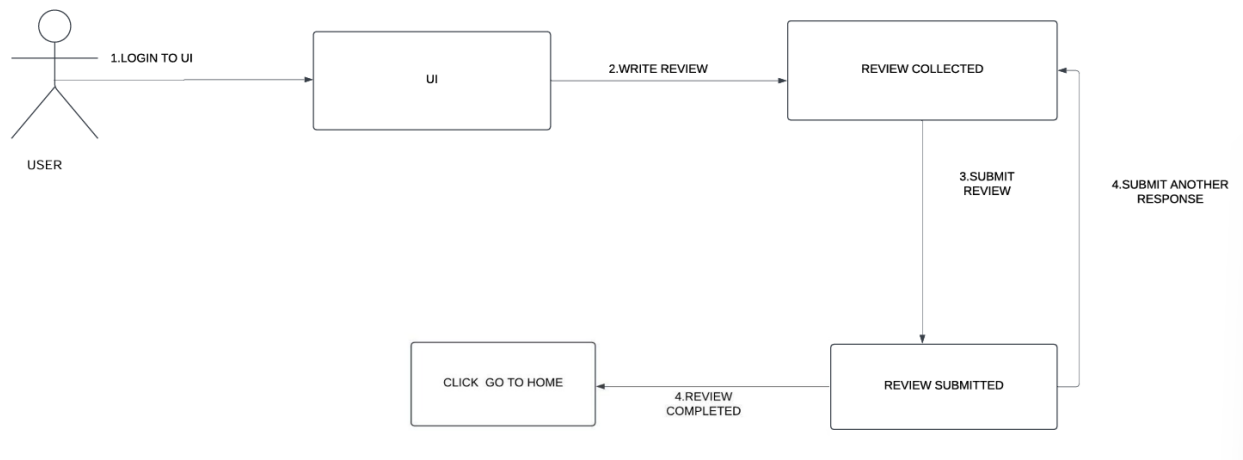**Explanation:** For a user to write any feedback, He must be the registered user.
- For registration, He must click, "Register Here" link to be redirected to the Registration Page.
- On that page, Enter the required details and click on the Submit button.
- Once Registration is successful, The user can login to the UI.

Use Case 2. If User tries to login with invalid credentials, Gets a prompt message

Explanation: When a user tries to login with incorrect credentials, After He click the submit button during login, A prompt message "Invalid username and password" will be displayed to the user.
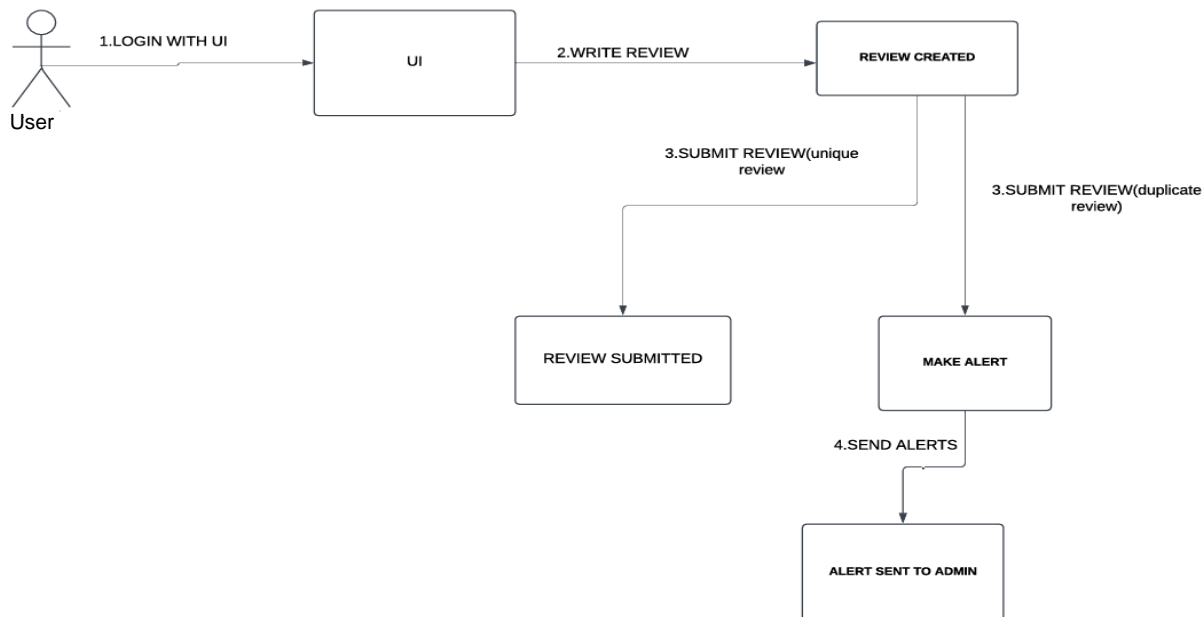
Use Case 3: User interaction with UI for writing a review

Explanation: If User wants to use the Fake Review Monitoring System for writing a review, He must be a Registered user.
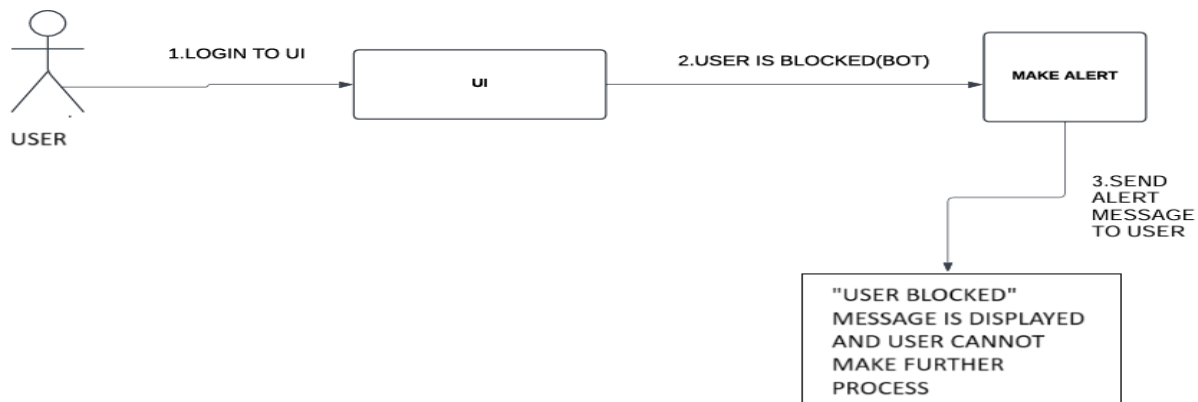
- After successful login to the webpage, He can provide his review by selecting the category of the product, entering the Product ID and then the Review about the product along with providing the star rating to the product.
- If he wants to provide another response, He can click "Submit Another Review" and provide another review about the other product.
- Once done with providing a review response, He can click the "Go to Home" button to get redirected to the "Monitoring system" Home page.

Use Case 4: Admin gets an alert when user makes an analogous review

Explanation: The Monitoring system restricts the user from providing duplicate review responses about the same product. If the user tries to provide the response, after clicking the submit button, The user gets a prompt message "Analogous Review and Alert sent to Admin" and Information will be sent to the admin.

Use Case 5. When Bot /Blocked user tries to login to create a review, gets a blocked message
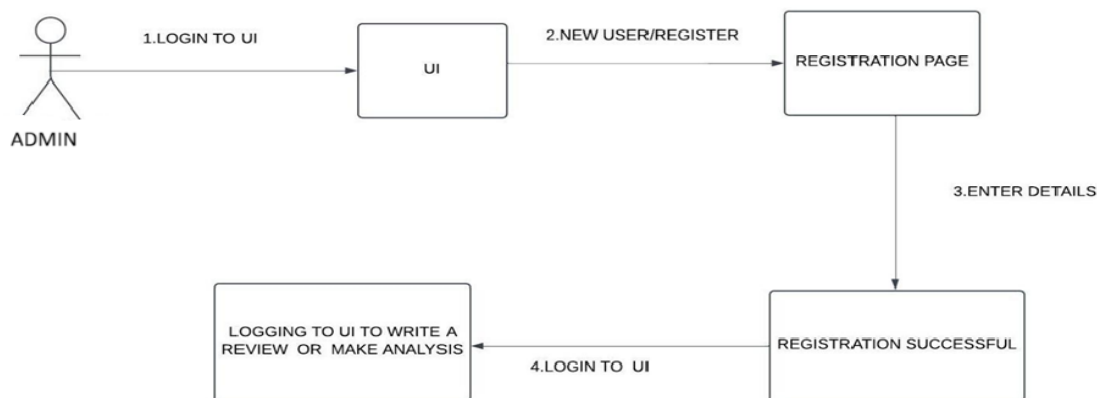

Explanation: Admin makes an analysis of the reviews submitted and collects the information about the user who tries to provide fake reviews and keep them in the Blocked user list.
● If the Blocked user tries to login to provide a review, He gets a prompt message "User Blocked, Contact Administrator".
● By this, User gets blocked and will not be allowed to continue further in writing the reviews.

Admin is using "Fake review Monitoring System" for Making Review Analysis
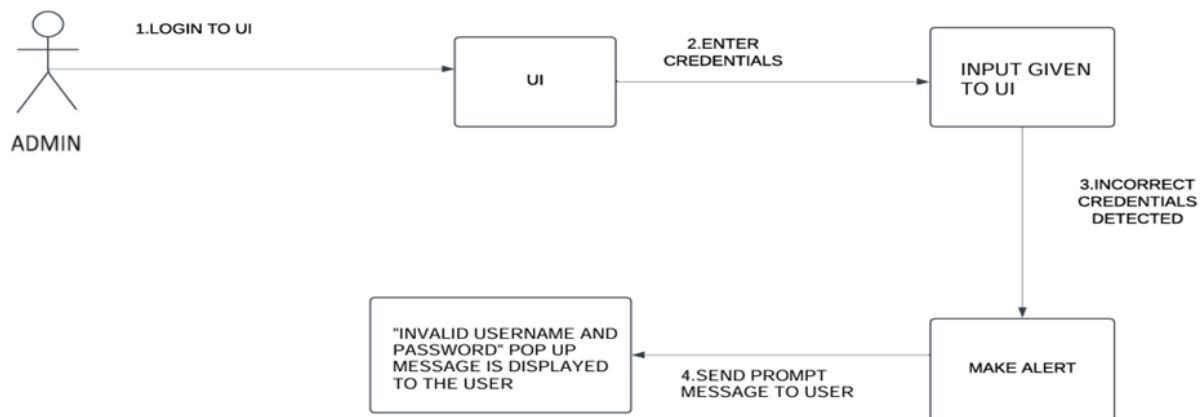
Use case 6: Registering the New Admin

Explanation: For an Admin to make an analysis, He must be the registered user.
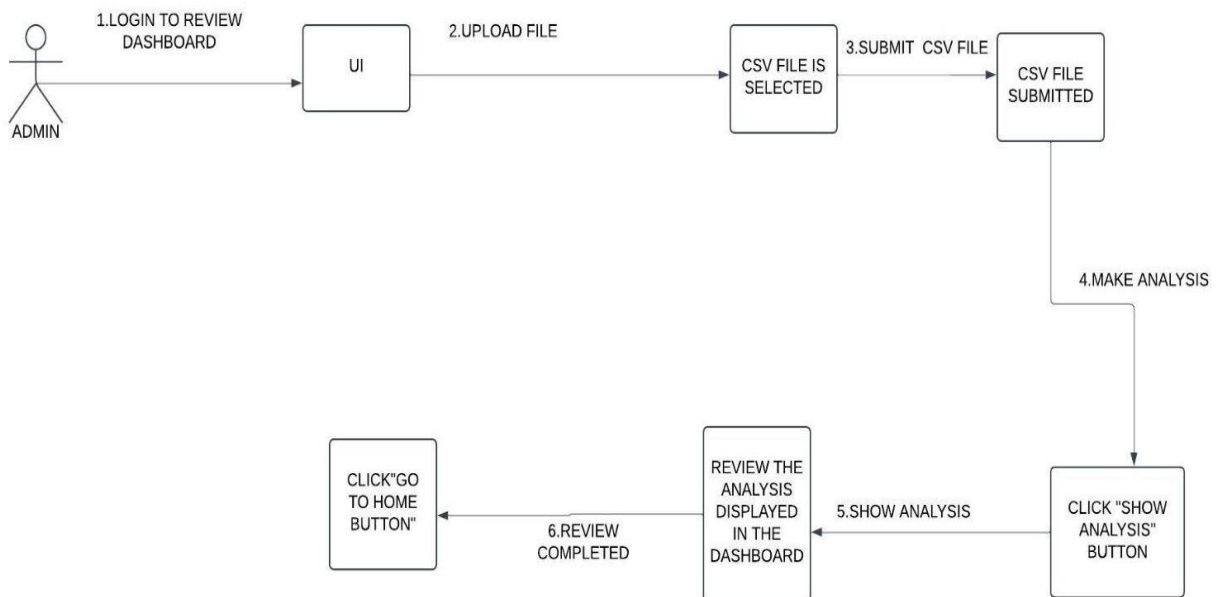● For registration, He must click, "Register Here" link to be redirected to the Registration Page.
● On that page, Enter the required details and click on the Submit button.
● Once Registration is successful, The admin can login to the UI.

Use Case 7. If Admin tries to login with invalid credentials, Gets a prompt message

Explanation: When an admin tries to login with incorrect credentials, After He click the submit button during login, A prompt message "Invalid username and password" will be displayed to the user.
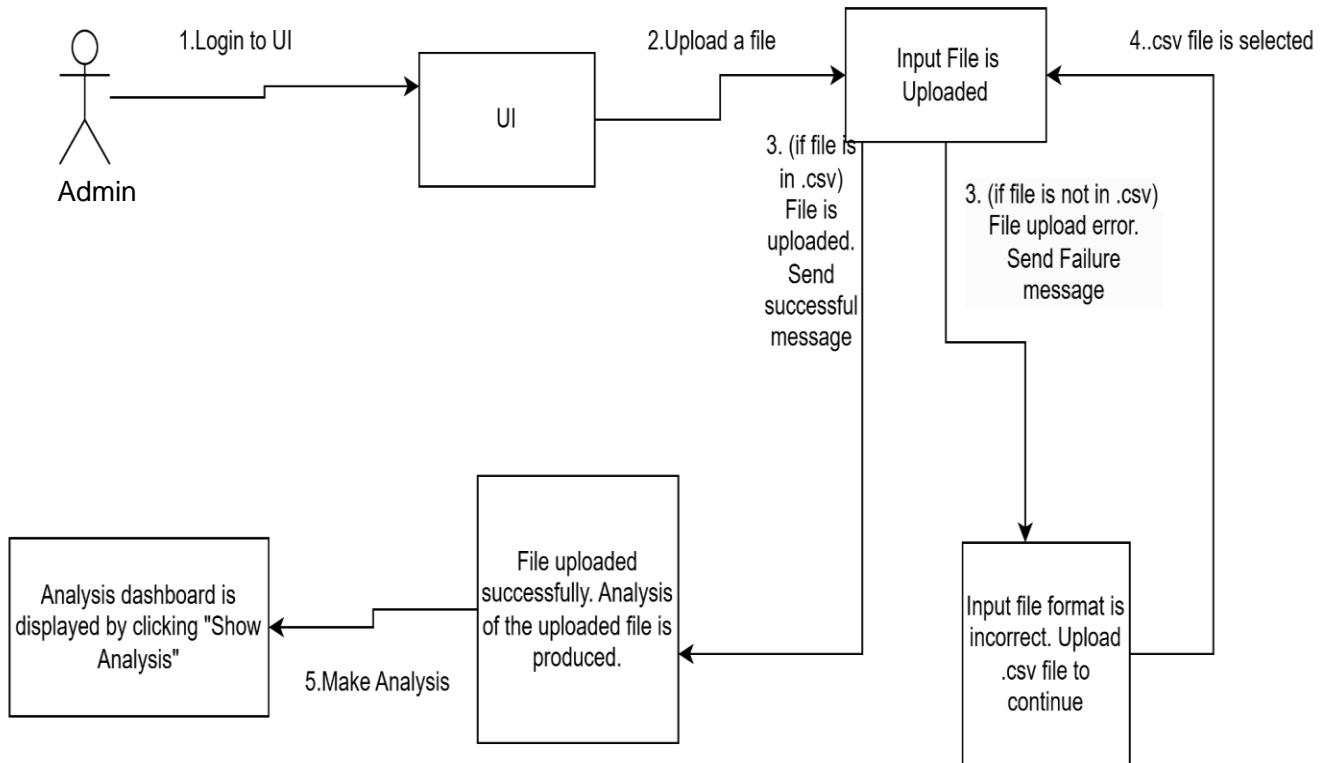
Use Case 8. Admin interact with UI to make a Review Analysis by uploading a csv file

Explanation: When admin login to the UI to make the analysis, He uploads the input csv file which has the review details along with user IP address and reviews made by the user.
- Once the csv file is uploaded, He clicks the submit button.
- Once File is uploaded successfully, He can review the results by clicking the "Show Analysis" button.
- After the review is done, He can go back by clicking the "Go to Home" button.

<u>Use Case 9. If Admin uploads Invalid file input other than. Csv file, Gets an error message</u>

1.Login to UI

2.Upload a file

Input File is
Uploaded

4..csv file is selected

UI

Admin

3. (if file is in .csv) File is uploaded. Send successful message

3. (if file is not in .csv) File upload error. Send Failure message

File uploaded successfully. Analysis of the uploaded file is produced.

Analysis dashboard is displayed by clicking "Show Analysis"

5.Make Analysis

Input file format is incorrect. Upload .csv file to continue

Explanation: To make an analysis, The admin must upload a .csv file to get the analysis. If the file is not in .csv, then he gets an error message "Invalid input format. Please upload .csv file".
- Once he corrected his uploaded file format and submitted, He gets an analysis about the file he uploaded.
- After completion, He can go back to home page by clicking "Go to Home" button