Q3. Assignment - Security Bug Bounty:

Key Features:

1.Participant Registration: Users register to receive a unique bounty code.

2.Video Submission: Users submit their vulnerability report along with a video.

3.Validation and Notification: The application validates the submission and notifies the security team.

Explanation:

1.File Upload: The `submit_report` function allows users to upload video files, which are saved to the `uploads` directory with a filename that includes their unique code. This ensures each submission is easily traceable.

2.Validation: The code is validated against the list of generated codes before submission is accepted.

3.User Feedback: Flash messages provide feedback to the user on the status of their submission.

Security Considerations:

- **File Upload Security**: Ensure that the uploaded files are securely handled, possibly checking for allowed file types and limiting file sizes.

- **Input Validation**: Validate all user inputs to avoid injection attacks.

- **HTTPS**: Use HTTPS to protect data in transit.