



UNIVERSITY OF MAKATI
J.P. Rizal Extension, West Rembo Makati City

College of Computing and Information Sciences

RESEARCH TITLE: BULLYPROOF: A MOBILE APPLICATION FOR REPORTING CYBERBULLYING INCIDENTS FOR A LOCAL UNIVERSITY IN MAKATI USING LOGISTIC REGRESSION ALGORITHM

Dear Participants,

We appreciate your participation in our research focused on the "Development of Bullyproof: A Mobile Application for Reporting Cyberbullying Incidents for a Local University in Makati Using Logistic Regression Algorithm." Your involvement is crucial to our goal of gaining insights and feedback that will help improve this research and, ultimately, enhance user engagement and interaction. Our research instrument is carefully designed to gather detailed information about the research's objectives, your experiences, and suggestions for improving our study.

We understand the value of your time and assure you that your responses will remain confidential and be used solely for research purposes. There are no right or wrong answers; we aim to gather your honest perspectives and experiences. Thank you for participating and being an important part of this research.

If you have any questions about this survey, please email us at the following email listed:

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RESEARCHERS:

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Corda, Ryan P.
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INFORMED CONSENT

Research Title:

BULLYPROOF: A MOBILE APPLICATION FOR REPORTING CYBERBULLYING INCIDENTS FOR A LOCAL UNIVERSITY IN MAKATI USING LOGISTIC REGRESSION ALGORITHM

Authors:

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Contact Numbers of Primary Investigator:

Bantilo, Jade Daniele M. (Mobile Number: 09053012761, Umak Email: jbantilo.a12035587@umak.edu.ph)

Purpose and Conduct of Study:

We are 4th-year students at the University of Makati, College of Computing and Information Sciences, pursuing a BS in Computer Science (Application Development Track). Our undergraduate thesis aims to develop BullyProof, a mobile application for reporting cyberbullying incidents. This study intends to implement a Logistic Regression Algorithm to enhance the classification and handling of cyberbullying reports, ensuring efficient response and intervention strategies.

Your participation will help us evaluate the system's effectiveness, usability, and impact on users.

Voluntary Participation:

The voluntary participation of the respondents will be fully respected, as they are not obligated to take part in the study. Similarly, if a respondent decides to withdraw from the study after initially joining, they will not be compelled to continue. Any reasons provided by the respondents for their withdrawal will be honored and not questioned.

Risks and Inconveniences:

Participating in this study involves a primary risk, which is limited to the time and effort the respondents will invest. The data collection process is safe, and no risks beyond those typically encountered in daily activities are expected. The main inconvenience for participants may be the time needed to use the Bullyproof application and provide feedback through surveys or interviews. However, every effort will be made to reduce these demands and ensure a seamless experience.

Potential Benefits:

Participants in this study will gain an understanding of the importance of reporting cyberbullying incidents with the help of the Bullyproof application. The aim of this study is to

facilitate and expedite the reporting and response to each case of cyberbullying at a local university in Makati with the assistance of the Bullyproof application.

Reimbursements:

The respondents will not receive any amount of money as compensation but will receive a certificate as participant of the study.

Confidentiality:

All information collected in this study will remain strictly confidential and will be used solely for research purposes. The data will be anonymized, and individual responses will not be identifiable in any reports or publications from this study. Your privacy will be respected, and all electronic data will be securely stored with restricted access for researchers only.

Sharing the Results:

The results of the data are planned to be shared in a paper presentation at a conference discussing incident reports using the Logistic Regression Algorithm. Afterward, the data will be used for publication to be beneficial to other academic departments, colleges, or institutions in improving curriculum delivery.

Right to Refuse:

You have the right to decline or withdraw from the study at any point—before, during, or after its publication. Additionally, you are given the opportunity to review your responses to the questions and delete any part or all of your answers or comments.

Whom to Contact:

You may contact anyone from the researchers for some questions and clarifications. For further concerns on the ethical practice of the study, please send an email to umrec@umak.edu.ph

Authorization:

By signing this form, you authorize the use and disclosure of your records, any observations, and findings found during this study for education, publication and/or presentation

CERTIFICATE OF CONSENT

I have read the foregoing information, or it has been read to me. I have had the opportunity to ask questions about it and any questions I have been asked were answered to my satisfaction. I understand that I will be given a copy of this consent form. I consent voluntarily to be a participant in this study.

Printed Name of Participant: _____

Signature of Participant: _____

Date: _____

I have accurately indicated the information sheet to the potential participant to the best of my ability and made sure that the participant understands that the following will be done:


1. Carefully read and agree on the content of the informed consent form
2. Participate in the study conducted by the researchers subject to a voluntary clause
3. Publication of the data in the journal for dissemination may be done

I confirm that the participant was given an opportunity to ask questions about my study, and all the questions asked by the participant have been answered correctly to the best of our ability. I confirm that the individual has not been coerced into giving consent, and the consent has been freely and voluntarily.

A copy of this informed consent form has been given to the participant.


Printed Name of Researcher/s:

Date:


EUGENIO, SHILOH B.
DECEMBER 06, 2024

Signature of Researcher/s:

Date:


BANTILO, JADE DANIELE M.
DECEMBER 06, 2024


Signature of Researcher/s:

Date:


CORDA, RYAN P.
DECEMBER 06, 2024

Signature of Researcher/s:

Date:


DERIGE, PAUL ANGELO
DECEMBER 06, 2024

DATA PRIVACY

We are committed to protecting your privacy. Any personal data you provide will be handled with strict confidentiality and in accordance with data protection laws. The responses you provide will only be used for research purposes and will be anonymized for analysis.

During this study, we ensure that no personal identifiers will be associated with your responses. Furthermore, your responses will not be shared with third parties outside of the research team. The data collected will be exclusively used for the development of the Bullyproof application and related research work.

By consenting to participate, you are agreeing to allow your responses to be used in this study, knowing that all efforts will be made to protect your confidentiality.

☐ I acknowledge that I have read and understood the information above, and I consent to participate in the study under the conditions outlined.

Demographic Information

Name: _____

1. Role at the University

- a) Student
- b) Employee

2. Age range

- a) 18 - 24 years old
- b) 25 - 34 years old
- c) 35 - 60 years old

3. Gender

- a) Male
- b) Female

Understanding the Evaluation Question

The purpose of this evaluation is to assess various aspects of the BullyProof according to the ISO 25010 standard. This standard includes both functional and non-functional requirements.

Your response will be based on a scale from 1 to 5, where you will provide a rating that reflects your experience or assessment of the system's performance based on the criteria mentioned in the evaluation.

Likert Scale Explanation: The scale you will use to rate each criterion is a 1-5 Likert scale, with the following meanings:

1 - Strongly Disagree: The BullyProof fails to meet the functional requirements and performs poorly, with significant issues.

2 - Disagree: The BullyProof partially meets the requirements but lacks key features or has performance issues.

3 - Neutral: The BullyProof meets the basic requirements but operates at an average level, without exceeding expectations.

4 - Agree: The BullyProof meets most of the requirements and functions well, with only minor performance or usability issues.

5 - Strongly Agree: The BullyProof fully meets the requirements and operates flawlessly, providing optimal performance and functionality.

Converting Evaluation into Statements:

You will be asked to evaluate a specific aspect of the system (such as its functionality, interaction capability, performance efficiency, and flexibility). Each question should be answered by providing a rating based on how well you think the system performs according to the criteria described.

Instructions: Please check only one number (1, 2, 3, 4, or 5) for each statement.

User Acceptance Testing and Evaluation Using Software Quality Model ISO 25010					
<p>I. Functional Suitability: This evaluates how well the BullyProof mobile app performs its expected tasks, such as login, registration, incident reporting, viewing incident history, image-to-text conversion, receiving notifications, and managing profiles. It assesses whether the app delivers these features effectively and as intended. This is broken down into the following sub-characteristics:</p>					
<p>A. Functional Completeness: The degree to which BullyProof's set of functions covers all the specified tasks and intended users' objectives.</p>					
Criteria	1	2	3	4	5
1. The Registration Module collects all necessary user information for account creation, including full name, email, contact number, password, confirmed password, and account type, ensuring a complete and accurate user profile.					
2. The Incident Report Module captures all required information to properly document a case, such as the complainant's details, the complainee's information, and the specifics of the incident, ensuring a complete record.					
3. The History of Incidents Report Module is easy to access and clearly displays all submitted reports in an organized manner, allowing users to view past incidents without difficulty.					
<p>B. Functional Correctness: The degree to which BullyProof provides accurate results when used by intended users.</p>					
4. The Image-to-Text conversion feature accurately extracts text from uploaded screenshots, ensuring that the information is captured and displayed correctly for easy use.					
5. The Notification Module correctly delivers real-time alerts and updates to users, ensuring that important information is promptly communicated and displayed accurately.					
6. The Edit Profile feature correctly updates and reflects changes made to user details, ensuring data consistency and accuracy.					
<p>C. Functional Appropriateness: The degree to which BullyProof's functions facilitate the accomplishment of specified tasks and objectives.</p>					
7. The Login Module is simple and user-friendly, allowing users to easily access their accounts with minimal effort.					

8. The Incident Report Module enables users to quickly and easily submit detailed reports about cyberbullying, making the reporting process straightforward and efficient.					
9. The Edit Profile Module functions smoothly, allowing users to easily update their personal information without any problems or delays.					
II. Interaction Capability: This measures how effectively users can interact with the BullyProof application's features when performing tasks such as logging in, registering, reporting incidents, viewing history, and managing notifications. This is evaluated through the following characteristics					
A. Learnability - The degree to which BullyProof's functions can be learned and used by specified users within a specified amount of time.					
Criteria	1	2	3	4	5
10. BullyProof is user-friendly, with a simple layout that makes it easy to understand and navigate, providing a smooth experience for all users.					
11. New users can quickly learn how to use BullyProof without needing assistance.					
12. Icons and buttons in BullyProof are easy to recognize and understand.					
B. User Error Protection: The degree to which the BullyApplication application prevents and helps users recover from errors.					
13. BullyProof helps users avoid errors like entering the wrong password, providing incorrect email addresses, and missing required fields.					
14. The Registration and Incident Report Modules clearly indicate the required fields to prevent incomplete submissions.					
15. BullyProof allows users to undo or correct mistakes in their profile information easily.					
C. User Assistance: The degree to which BullyProof can be used by users with the widest range of characteristics and capabilities to achieve specified goals in a specified context of use.					
16. BullyProof offers clear instructions on the specific details to include in a report, ensuring users know exactly what information is necessary for accurate and complete submissions.					
17. The profile feature enables users to effortlessly update their account information.					

18. BullyProof provides clear and relevant help for each module.					
III. Performance Efficiency: This evaluates how efficiently the BullyProof performs its functions, ensuring optimal response time, throughput, and resource utilization. It assesses whether the system meets performance requirements while handling multiple user interactions smoothly. This includes tasks such as login, registration, incident reporting, viewing incident history, image-to-text conversion, and receiving notifications. It ensures that users experience minimal delays and high system responsiveness.					
A. Time Behavior: The degree to which BullyProof's response time and throughput rates, when performing its functions, meet requirements.					
Criteria	1	2	3	4	5
19. BullyProof instantly reacts when users enter their credentials, providing immediate feedback to ensure the information is correct.					
20. The Registration Module processes new account creation quickly, allowing users to complete the sign-up process without any delays.					
21. The Incident Report Module submits reports quickly, and the History of Incidents Report Module loads past reports efficiently.					
B. Resource Utilization: The degree to which the BullyProof application efficiently uses device resources.					
22. BullyProof efficiently handles file attachments, enabling users to upload, attach, and access files with ease.					
23. The Notifications Module operates smoothly across devices without causing any disruptions or performance issues.					
24. The BullyProof runs smoothly while other apps are open.					
C. Capacity: The degree to which the BullyProof application can handle increasing demands.					
25. The Incident Report Module maintains consistent performance regardless of the number of attachments.					
26. The Image-to-text Conversion feature in BullyProof is designed to efficiently handle large images					
27. The History of Incidents Report Module is designed to display multiple reports quickly and efficiently, without causing any delays or performance issues.					
IV. Flexibility: This measures the degree to which the BullyProof application can be installed,					

replaced, and scaled effectively when used for logging in, registering, reporting incidents, converting images to text, viewing history, and managing notifications.					
A. Installability: The degree of effectiveness and efficiency with which BullyProof can be successfully installed and/or uninstalled in a specified environment.					
28. BullyProof is designed for quick and straightforward setup, allowing users to get started with minimal effort.					
29. The installation process of BullyProof is quick and easy, requiring no technical knowledge. Clear, step-by-step instructions guide users through the setup, making it simple to install on any device.					
30. There are no errors or issues when using BullyProof.					
B. Replaceability: The degree to which BullyProof components can be replaced with alternative implementations without affecting the availability of its provided services or reducing system capabilities, while minimizing impact on users.					
Criteria	1	2	3	4	5
31. The Registration Module can be updated or replaced without requiring users to re-register.					
32. The Image-to-Text Conversion allows users to edit the extracted text before submitting, providing flexibility and control over the final output.					
33. The Incident Report Module allows new features to be added without requiring users to learn an entirely new process. The current process involves ensuring data privacy, entering complainee details, documenting incident details, and recording action and support details, supported by existing features like image-to-text conversion, seamless file uploads, and real-time image capture.					
C. Scalability: The degree to which the BullyProof works smoothly as users use it.					
34. BullyProof performs smoothly, even when a large number of users are logging in or signing up simultaneously.					
35. The Image-to-Text Conversion quickly processes multiple screenshots, while the Notification Module delivers alerts without delay, even when handling a high volume of reports.					
36. BullyProof offers the same features as other applications but is easier to use, with a simple and intuitive design that helps users complete tasks quickly and efficiently.					