

Department of Computer Science

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REVISION FORM

Title of Senior Project	Alerto+: A Mobile Reporting Application Integrated with Real-Time Web Dashboard for Community Issue and Barangay Response in the Bicol Region
Proponents	Alleona Divine M. Asis & Charies Ann A. Hao
Type of Defense	Graded Defense 1
Defense Date	July ____, 2025

List all comments/recommendations of the panel members reflected in the recommendation sheet and discuss the actions taken to address them. Reflect the page numbers as reflected in the revised manuscript.

Recommendation(s)	Action(s) Taken	Page(s) in the revised manuscript
If reporting is based on where you are on the map, how will you deal with an incorrect or inaccurate map? <ul style="list-style-type: none">- maybe allow the overriding of auto-selection of barangay where to report? but then how will you restrain prank reports?	Created Reporting Rules for both anonymous and signed-in users to indicate the capabilities of each type of user. For restraining prank/fake reports, the proponents also devised Abuse Control Rules for Reporting, to indicate limits and provide warnings for false report submissions. For the report itself, the proponents also required users to submit media proof to lessen the chances of fake reports.	pp. 24 - 25, 31 - 34, 36
Determine constraints of user registration/verification and justify your constraints.	Created business rules for user registration for users who want to sign-up for an account.	pp. 32 - 34
Have concrete documentation on how to handle prank or excessive reports. Example: blocking rules for fake reporters. <ul style="list-style-type: none">- Consider multiple reports. But what if there's only one report?	Created Blocking and Abuse Control Rules for Reporting to handle fake reporting, and for the excessive reporting issue, the proponents designed reporting limits.	pp. 33, 37 - 38

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Identify what type of incidents are to be reported to barangay.	Researched and interviewed barangay officials to get an idea of what incidents and community issues are generally reported to them. Made an Incident Types Table to properly identify the reports that can be made for incident reporting.	p. 35
Perform a barangay statistics study, e.g., how many barangays are there in the Philippines? How many have internet access?	Researched for barangay statistics in the Philippines and included it in the project context.	p. 3
Design your system to be customizable and adaptable to other barangay.	<p>Redesigned system to be customizable in terms of barangay profiles, where each barangay may edit their own barangay profiles and add contact numbers of barangay officials/staff. Additionally, the proponents designed the system to have isolated dashboards for each barangay, where every barangay may customize their dashboard based on data regarding reports, requests, and other consolidated essential information.</p> <p>The system was also designed to become versatile by making the system generalized so that it can be used in any barangay and LGU, where LGUs can add barangays and add authorized users to access dashboards.</p>	pp. 29 - 31
Add LGU access to system reports.	Gave LGU access to a dashboard in the system design for easy access of barangay reports for monitoring purposes of the Local Government Unit.	pp. 30 - 31
Add the following module: A. Allow the Brgy. Officials to broadcast messages or announcements, e.g., typhoon & flood announcements, ayuda, brownout,	Integrated the recommended modules into the proposed system.	pp. 4 - 5, 24 - 43

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<p>etc.</p> <p>B. Users/Residents will be notified when there are messages/ announcements from their home barangays.</p> <p>a. Users/Residents can follow other barangays and see their public announcements.</p> <p>C. Users/Residents can submit requests for certain documents or certificates in advance.</p> <p>a. Research & provide a list of all documents the Barangay issue to residents.</p> <p>D. Brgy. officials will be notified of document requests, and can provide feedback such as accepted, re-schedule, rejected, ready for pick-up, etc.</p>		
<p>Add in the profile of users if they are a verified resident in their chosen home barangay. Verifications will be done by the Brgy Official user.</p> <ul style="list-style-type: none">- Brgy. official user	<p>The proponents redesigned the system so that after a user finished signing-up for an account, that action would be the trigger to send a verification request to the barangay that the user indicated in their home barangay section. The only possible status for the verification request would be Accepted and Rejected; if the barangay</p>	<p>pp. 32, 37</p>

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will be notified of verification requests and can respond to it.	official gave a Rejected status, the user may retry sending another verification request along with complying with the reason that the official stated for the rejection.	
Allow cancellation of reports within one minute after submission.	Added a cancel button next to the submission button before submitting a report in the interface of the mobile application. The submission button includes a countdown animation for one minute before it is submitted to the database. If the incident to be reported is urgent, the user needs to tap the submit button so that the report will be submitted immediately.	p. 33
Provide supporting documents for each type of report that can be made (e.g., sample report with private data blurred/erased).	During conducted interviews with barangay officials and staff, the proponents were able to get some sample reports of incidents that were included in the proposed list of incident and incident types, although the proponents were unable to get samples about the other sensitive incidents, they have confirmed that those listed in the Incident Types Table are issues that are reported to the barangay.	pp. 67 - 73
Allow creation of other/unique types of report that may not belong to any of the pre-identified types.	Included an "Other" category in the table for Incident Types so that if the incident to be reported does not fit within the pre-identified categories, the user may still submit the report. The same was applied to the document requesting process.	pp. 28, 35
Consider non-permanent blocking, or expiration of penalties over a few years (for not so abusive users).	Revised the Blocking and Abuse Rules to have temporary bans that are period-based.	p. 38

I have reviewed the revisions made by the individual/group as reflected in the table above.



Signature of Adviser Over Printed Name