

Progress Report :

1. Successfully defined the ethics this project needs to address. To be specific, addressing the people's freedom of accessing information and a code of conductivity.
2. Started documenting the paper progressively.
3. Implemented the laws and orders the group needs to address for ethical standards.
4. Created the Introduction (Specific, General, and Solution) of the documents.
5. Has set clear goals for the project(what needs to be done, schedule on making the project).
6. Discussed the needs and prerequisites of the project.
7. Stated reviewing related literature to strengthen the project's reliability.
8. Successfully explored the needs and the things the project needs to accomplish and its functionality.
9. Clearly defined the implementation of CRUD and the way of conduct on addressing the project.
10. Successfully visualized its functionality and its future use for the public.
11. Progressively coding and debugging in an attempt to address CRUD properly.
12. Planned the required IDE and compiler that will be used among the group.
13. Planned how the project will be executed and work step by step through outlining ideas for the project.
14. Finished Objectives.
15. Started final recommendations.
16. Visualized flow chart and pseudocode execution .

Contribution:

Feria - Leading the Group, Making of the specific problem, and solutions about our general problem, Contributed on the creation of code outline, Progressively documenting paper, Contributed on creating and reading the RRL to produce ideas, Project Discussion and planning, Contributed on Objectives, Sharing of ideas of the code execution.

Demain - Specific problem and Solution part of Introduction, Implementation of the project, Contributed on research of RRLs, Contributed on the creation of code outline, Progressively documenting paper, Searching RRL's

Mendoza - Idea in implementation of CRUD system, Additional information for the specific problem, Making of the specific problem and solutions about our general problem, Idea of what is gonna be our general problem, Sharing of idea, Contributed on the creation of code outline, Progressively documenting paper, Searching RRL's, Contributed on Objectives, Sharing of ideas of the code execution.

Lara - Title writing, Implementation of the solution and project, Additional findings and references on the specific problem, Contributed on the creation of code outline, Searching RRL's, Contributed in CRUD implementation, Contributed on Objectives

Documentation:

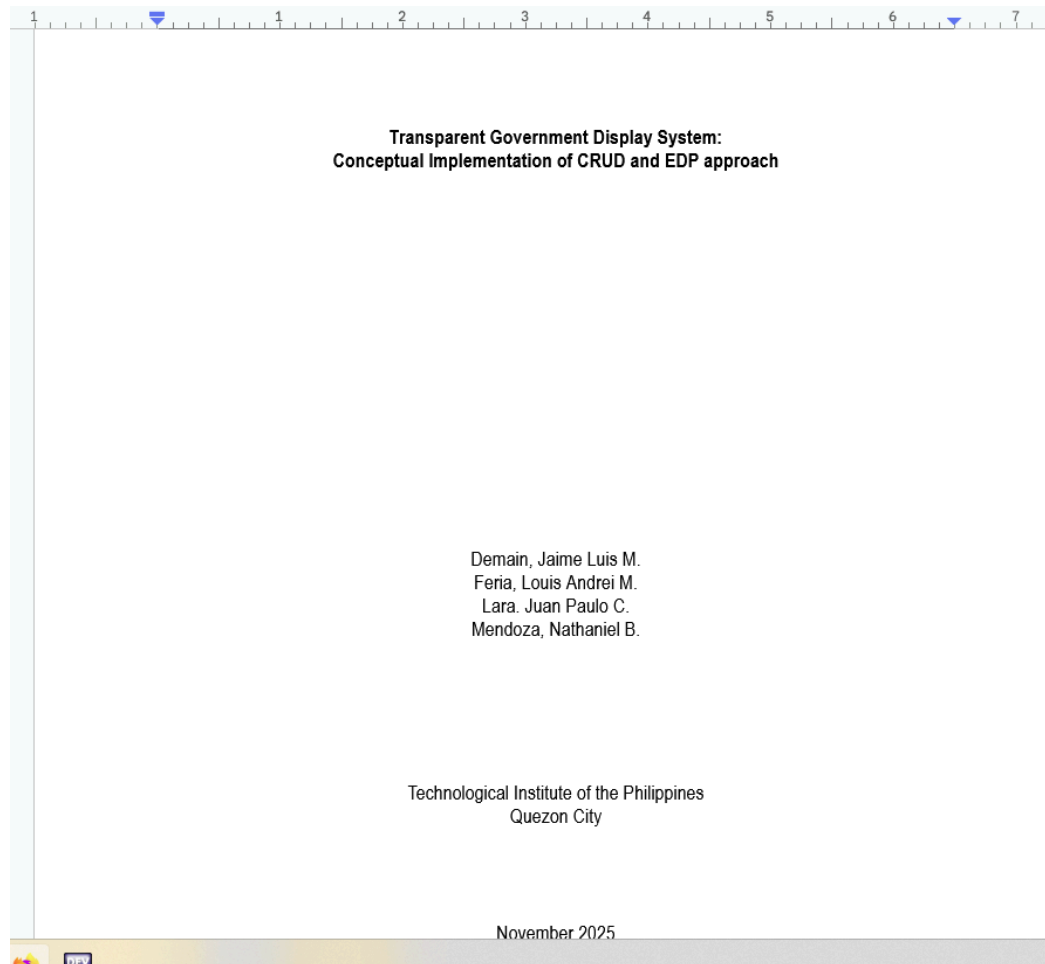


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Introduction

a. General Problem

The lack of transparency in government has become a major challenge in today's society as it obscures evidence which indicates the truth. These issues in the government lead to the misuse of funds, corruption, and the failure to meet project and budget goals. This makes the situation unbelievable for taxpayers, as they find it difficult to understand where the money is being spent, resulting in government corruption and mismanagement. Furthermore, the lack of transparency conflicts with public distrust. People become more concerned because government spending may lack the necessary oversight, especially when funds are transferred outside of regular budget cycles, especially when there are no consistent or open financial records (Farazmand et al., 2022). Furthermore, the credibility of the published projects is one thing that most people find suspicious.

b. Specific Problem

Difficulties in tracking the usage of taxes, a lack of consistent records, and if it were to be based on hearings that there's barely any evidence presented at all, which leads to an inability to see the records. Due to this general problem that the whole country is facing, these specific issues are likely to be agreed upon by most citizens. It is the visibility of track records of funds on where it is being used that will bring transparency for the citizens, since this kind of problem is quite important not only for the taxpayers/citizens but also for government officials, as well, since not only it can be used not only to present the usage logs but also to present as evidence for future uses. Additionally, research highlights that the failure of transparencies often arise from "transparency anti-pattern" which makes something look transparent on the outside but actually hides and blocks information on the inside that makes it questionable as it consists of incomplete and delayed documentation and information (Zuijderwijk et al., 2025). On the other hand, the study of (Abhishek et al., 2022) propose technological solutions, like blockchain-based fund tracking systems, which could make financial records tamper-proof and traceable, this suggests that it should be transparent and traceable in addition to approach of Republic Act No. 6713 and Executive Order No. 2 2016 in the Philippines.

c. Solution

Through the approach of Republic Act No. 6713 and Executive Order No. 2 2016, an accessible system for Filipino citizens containing publicly disclosed documents and records can allow for government transparency and public trust. This system will only contain information about the usage logs of the funds on where it is being used so that it will not violate any laws. With this feature, the public will be able to keep updated to the actions that are being taken with the funds, ensuring that the taxes they are paying are going for the greater good.

The Project

This system will present the overall spending of the government. In this way, we can address its transparency problem to create public trust. Detailing where the funds are being allocated and the specific projects they support with the usage of tax. Through this system, all the information about this project will be presented to the citizens for them to track and observe the government's use. Therefore, they would not be worried about corruption. The Dashboard contains the projects that were made in the past month to now, and they can also see the logs of the old files that can be used against someone who disobeyed the law. Alongside with the made dashboard, they can observe and see details like: Release statement of the project, which company or government place is the owner or the one leading it, provides a short article regarding why its being implemented and detailing its beneficiaries, the total budget data and how much was already spent to the project, and lastly, the soft copy of the project for formalities. This Dashboard is available for all citizens to see, even the government officials.

For managing the system itself, like implementing new information and announcements, there's a sign-in feature where dedicated personnel can log-on to. They can add, edit, and delete all the information inside the system. Logging in with a verified account will give you privileges to edit all the information inside the system, making updates with certain information and adding more if new projects are released for people to see.

Objectives

The main objective for this project is to display the funds usage for citizens to see, so that the people are aware of where it is being used. Specifically, the project aims to:

1. Develop a management system that:
 - a. Integrates a log-in feature to access information.
 - b. Read user credentials and privileges
 - c. Displays and creates all project information such as, budget used, and information
 - d. Deletes outdated projects BUT stores it in the archive.
2. Test and evaluate the system's accuracy.

Conclusion

Recommendation:

Through the making of this project, the students had some recommendation to fully maximize its potential, specifically the should at least:

1. Consist a Graphic User Interface system for better user experience and beginner friendly..
2. Would also consist of user login for the citizens as well.
3. The Security System among accounts has vulnerabilities.
4. Consists of a larger data base as it is only a prototype.
5. More user interaction and tabs for deeper information regarding the project. (Example : Lists people that are connected to the project)

Justification Reference:

- *An act establishing a code of conduct and Ethical Standards for public officials and employees, to uphold the time-honored principles of public office being a public trust, granting incentives and rewards for exemplary service, enumerating prohibited acts and transactions and providing penalties for violations thereof and for other purposes. (1989). In Republic Act NO. 6713 [Legal document]. https://www.ombudsman.gov.ph/docs/republicacts/Republic_Act_No_6713.pdf*
- *Duterte, R. R. & Philippines. (2016). Executive Order No. 02, s. 2016. In MALACAÑANG PALACE. https://www.pdic.gov.ph/files/foi/Annex_A-EO_2_FOI.pdf*
- *Ombudsman of the Philippines. (1989). Republic Act No. 6713: Code of conduct and ethical standards for public officials and employees. https://www.ombudsman.gov.ph/docs/republicacts/Republic_Act_No_6713.pdf*
- *The 1987 Constitution of the Republic of the Philippines, Article XI: Accountability of Public Officers. (n.d.). Office of the Ombudsman (Philippines). https://www.ombudsman.gov.ph/docs/republicacts/Article_XI_1987_Philippine_Constitution.pdf*

Other research reference:

- Abhishek, A., Rao, S., & Sinha, R. (2022). *Towards devising a fund management system using blockchain*. *arXiv preprint arXiv:2211.03613*. <https://arxiv.org/abs/2211.03613>
- Farazmand, A., Kim, S., & Rafiq, A. (2022). Corruption, lack of transparency and the misuse of public funds in times of crisis. *Public Organization Review*, 22(4), 901–915.
<https://doi.org/10.1007/s11115-022-00651-8>

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- Zijderwijk, A., Al Mushayt, O., & Janssen, M. (2025). *TAPAS: A pattern-based approach to assessing government transparency*. *arXiv preprint arXiv:2505.16413*.
<https://arxiv.org/abs/2505.16413>