

Searwork No. 6.1	
Problem Identification	
Course Code: CPE007	Program: Computer Engineering
Course Title: Programming Logic and Design	Date Performed: October 14, 2025
Section: CPE11S1	Date Submitted: October 14, 2025
Name(s): Feria, Lara, Mendoza, Demain	Instructor: Engr. Jimlord Quejado
Output	
<p>I. General Problem</p> <p>Transparency has been a major conflict in today's society as it lacks evidence which indicates the truth. These issues 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) .</p>	
<p>II. Specific Problem</p> <p>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.</p>	
<p>III. Solution(s)</p> <p>Through the approach of Republic Act No. 6713 and Executive Order No. 2 2016, a website accessible for Filipino citizens containing publicly disclosed documents and records can allow for government transparency and public trust. This website will only contain information about the usage logs of the funds on where it is being used so that it cannot 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 of this country.</p>	
References	
<p>Justification Reference:</p> <ul style="list-style-type: none"> - <i>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].</i> <p>https://www.ombudsman.gov.ph/docs/republicacts/Republic_Act_No_6713.pdf</p>	

- *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

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>
- Zuijderwijk, 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>

Conclusion

Concluding this activity, we were able to identify the active problems that our country is facing right now, that's why our project's idea is specifically made to address this kind of concerns, with that being said, we also had some learnings regarding this project:

In this activity project, we learned that with the use of different systems, you can make different solutions to various problems, which I think is a smart move since it can really help you to lessen your work. And nowadays, technology is evolving at a rapid speed, so with the use of this, we were able to find a way that I think is one of the solutions to the problem of transparency of government officials to the public. Through this project, we also learned that this idea/project is doable since it is supported by the Republic Act and an executive order giving more credibility to this project, since at the stage of brainstorming solutions, we was skeptical at first about whether it is really possible to access this kind of information to the government.

Concluding this activity, we learned the ways systems, specifically CRUD (create, read, update, and delete) can be used for a wide variety of applications as solutions to many real world problems, which in this case is a publicly accessible government site containing fund and tax records. This solution aims to support transparency in the government's use of taxes and funds in ways that could benefit its citizens and gain public trust from doing so. Since this system involves government sites to host documents, officials to operate and publish information, and citizens as public viewers, it contains a log-in system and choices of transactions (CRUD). Because there are

During the activity, we were able to accomplish and find related literature that will support our project for us to implement accountability and prevent corruption in terms of their fund management. As we look through the related sources, there are also other countries that are struggling in terms of transparency and not just the Philippines so that it suggested ways

and promote in creating verifiable financial and funds records for its people to keep on track on where its taxes is being used for so that it can ensure fund usage and builds trust between its government and its people. Therefore, we can say that implementing this project would be a great help and usage as this country is facing this type of crisis and issue.