

ISK Assessment 3 Feedback for Declan and Earvin

Bank User Management System

1. Usefulness of the Created Work

- Structure and Clarity: The README file is well-structured, and it covers the basic aspects such as features, installation, and usage. However, there are some areas that could be improved to enhance the overall clarity and usefulness:
 - Features Description: The "Features" section is helpful but lacks details. Consider adding a more detailed breakdown of each feature, for example, describing how the registration process works or the conditions for compounding interest. Adding a brief explanation of what makes each feature unique or beneficial would make the section more engaging.
- Installation and Usage Instructions: The instructions are clear and direct, but they could benefit from more detailed steps:
 - Dependencies: It would be useful to include a step-by-step guide on installing the dependencies. For instance, add a command to install the `colored` library:

```
pip install colored
```

- Virtual Environment: Suggest including a recommendation for setting up a virtual environment to avoid potential version conflicts. This is especially useful for beginners who may be unfamiliar with Python project setup:

```
python -m venv env  
source env/bin/activate # On Windows, use 'env\Scripts\activate'
```

- This ensures users can safely install dependencies without affecting their system Python setup.
- Example Commands and Usage Instructions: The examples provided are good, but adding visual aids such as sample terminal output would make it easier for users to understand what they should expect. It would also help to provide more context for the example commands:

- For instance, explain the concept of "user index" and "account index" in a bit more detail to ensure all users understand what these inputs represent.
- Error Handling and User Guidance: Consider adding a section that explains common errors and how to resolve them, such as incorrect user indices or insufficient balance for withdrawal. This would enhance user experience and reduce confusion when users encounter issues.

2. Ethical Considerations and Standards

- Data Privacy: Although this is a bank management system, there is no mention of how user data is managed. Since financial data is highly sensitive, it would be beneficial to include a section on data privacy:
 - Explain whether user information is stored, and if so, how it is stored securely (e.g., using encryption).
 - Mention that no personal financial data is shared and that user information is only stored locally.
 - Suggest adding a disclaimer explaining that this is a simple educational project and should not be used for real financial transactions to avoid any ethical misuse.
- Security Concerns:
 - There is no mention of authentication or authorisation for user accounts, which is critical for a bank management system. Even if this is an educational project, it would be good practice to mention that security features are not implemented and should be considered for real-world applications.
 - Highlight that proper authentication and secure password storage (e.g., hashing) would be necessary in a real banking system to prevent unauthorised access.

Suggestions for Improvement

1. Expand Features Section: Add more details about how each feature works and the benefits it offers to the user.
2. Include Security Disclaimer: Make it clear that the application is for educational purposes and does not include robust security features, so it should not be used for managing real financial information.
3. Provide Installation Steps for Dependencies: Include detailed steps for setting up dependencies, including installing `colored` and creating a virtual environment.

4. Add Visual Aids: Include screenshots or sample terminal outputs for key steps in the "Usage Instructions" and "Example Commands" sections to make the guide more accessible.