Banking Application Report

The banking application is a simple command-line application that allows a user to interact with their bank account by performing different types of transactions such as checking the balance, depositing and withdrawing money, and viewing the previous transaction history.

Functionality

The application is built using Java and includes a `Bank_account` class that represents the user's bank account. The class has the following methods:

- `deposit(int amount)`: allows the user to deposit a specified amount of money into their account. If the amount is not zero, the balance is updated and the `previous_transaction` field is set to the deposited amount.
- `withdraw(int amount)`: allows the user to withdraw a specified amount of money from their account. If the amount is not zero, the balance is updated and the `previous_transaction` field is set to the negative of the withdrawn amount.
- `getprevious_transaction()`: displays the previous transaction that was performed by the user, i.e., either a deposit or a withdrawal. If the previous transaction was a deposit, the amount is displayed as positive, and if it was a withdrawal, the amount is displayed as negative. If there was no previous transaction, a message is displayed saying that no transaction has been performed.
- `ShowMenu()`: displays the main menu of the application that includes the different options that the user can choose from. The options include checking the balance, depositing money, withdrawing money, viewing the previous transaction, and exiting the application.

Usage

To use the application, the user needs to create a `Bank_account` object by providing their name and ID. Once the object is created, the `ShowMenu()` method can be called to display the main menu. The user can then select the desired option by entering the corresponding character from the keyboard.

Conclusion

The banking application provides a basic set of functionalities for a user to interact with their bank account. The application can be extended to include additional features such as transferring funds, setting up recurring payments, and generating reports.