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COURSE: CP108 PLUTUS/HASKELL I

PROBLEM STATEMENT: Most African governments are trying different measures to eliminate corruption, bad governance, mismanagement and lack of accountability in their countries but these efforts are mostly unsuccessful. As a tool for change, blockchain can help in solving some of these governance issues plaguing Africa.

TASK: With this in mind, think of a way you can implement a smart contract that can help eliminate any of these ills, then implement it using Plutus.

POSIBLE SOLUTION: Through the creation of smart contracts that allow intermediation (Escrow Smart Contracts) between donor entities of funds for community projects executed by local organizations, it will be possible to guarantee the fulfillment of requirements and conditions so that the amounts are released in agreed periods of time, and according to the points previously agreed between the parties.

THIS SOLUTION ALLOWS:

1. Approve funds for projects when the project executors have the minimum requirements necessary to manage the funds.
2. Transparency in the management of public funds or donations is achieved.
3. It allows to monitor the transactions and to know how the funds are spent.
4. Eliminates intermediaries and reduces bureaucracy.

Script: The "Escrow Finance Final Project.hs" can be used for this exam and can be tested at the Plutus Playground;

https://playground.plutus.iohkdev.io/