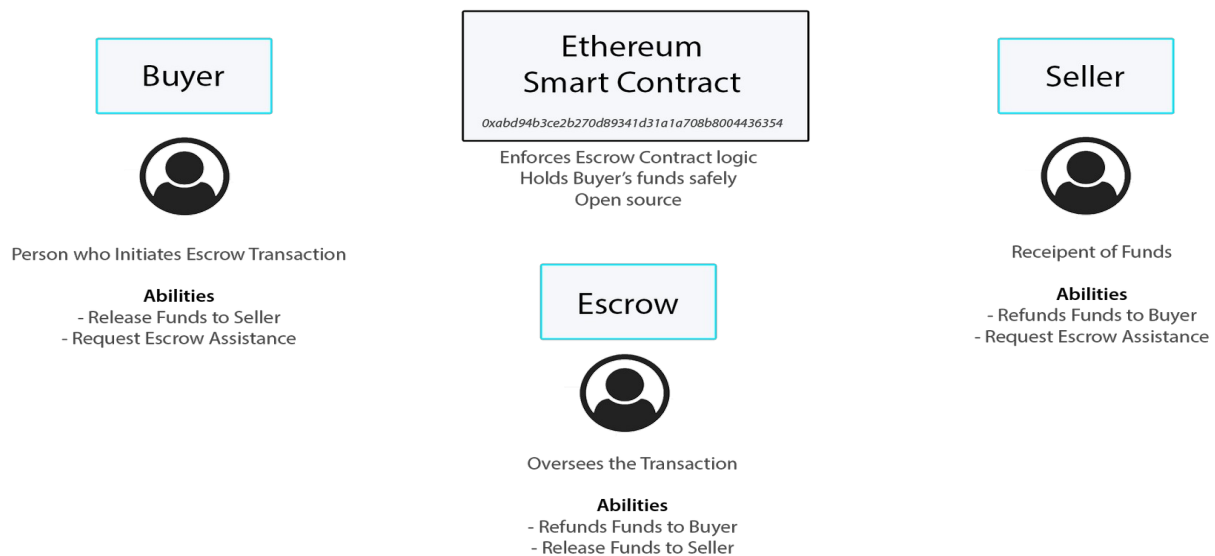


ESCROW

Escrow is the third party which holds the asset on the presence of two parties. Escrow will release the fund when certain conditions are met.

In this project only selected seller and buyer can perform the task, Seller uploading the book or pdf with price and this is stored in IPFS. while the buyer ready to buy book or pdf, First that buyer will send the amount of the book, The amount will store in smartcontract . The smartcontract will release the amount after /while the pdf downloading



FUNCTIONS()

- **createPdf()**

In this function, we created an item specifying the purpose and the amount capped for anyone who will take on this item. The function creates an Item, assigns an item to the creator's account, opens it up for interested providers, and emits a created event.

- **getPdf()**

The above function simply returns an array of the items in while giving product id.

- **confirmPayment()**

confirmPayment method. It's payable so it receives ether. Only the buyer can call it and it can only be called when there are no funds already in the escrow. Once called we set the current state to `await_delivery`.

- **confirmDelivery()**

confirmDelivery method allows the buyer to confirm that they actually received the item. Once again, only the buyer can call it. It can only be called in the "Awaiting Delivery" state. Once called it transfers the funds from the contract to the seller and marks the escrow complete.

- **ReturnPayment()**

This function refunds an owner his money if the item was disputed, only the Escrow account holder is permitted to operate this function.

FrontEnd working

The working of escrow project is user friendly. For Example, "A" is a seller and wants to sell his Book, "B" is a buyer who wants to buy "A"'s book so they will contact Escrow "C"(an arbiter) which hold the asset until "B" receives the book. When this condition will be met, Escrow will release the fund to "A". This solves the issue of trust and prevents any discrepancy. For running escrow dapp ,start the node :npm start, then go to <https://localhost:3000>. In this single page

First section "Add pdf", for uploading Pdf user should give id ,name , price of the pdf, and pdf file.

Second, Buyer comes to buy this pdf, buyer will id of the pdf, address of the pdf, and amount, While clicking "pay fee" button it will decrease the amount from buyer, and keep in the escrow contract .

Third, While the buyer clicking "download" button the amount from smartcontract will send to seller account.

