

Challenge: Add an offer to buy feature on an NFT marketplace

Description

The challenge is to add an offer to buy feature on an existing marketplace. The marketplace code to start with is provided to you in the repo below.

<https://github.com/dQuadrant/cardano-marketplace>

“**Offering**” is a feature that allows users to lock their nft or ada and request another nft. User owning the nft can then respond to the offering.

The owner of the NFT can accept or do nothing to reject the offer.

If the NFT owner accepts the offer, the swap happens. The buyer received the desired NFT and the seller receives the offered NFT(s).

If the NFT owner does nothing, there is no swap, no action, no gas spent.

The offerer can also cancel the offer at any time. Canceling the offer would return the NFT or Ada back to the original owner wallet.

Case 1: No fee

In this case, the marketplace does not take any fee for the offer and finalization of the offer.

Case 2: A fixed fee (X Ada)

In this case, the marketplace charges a certain fixed fee (X Ada) for the sale to happen. This fee is paid by the offerer and is included as a part of placing the NFTs on offer.