

An abstract composition on a dark gray background. It features several diagonal lines: a white line in the upper left, a light gray line in the lower left, and a bright pink line in the lower right. The word 'Substrate' is written in a bold, orange, sans-serif font, and the word 'River' is written in the same style below it.

Substrate

River

Kitty Auction-001

Introduction to Kitty Auctions

<https://substrate.dev/substrate-collectables-workshop/#/Extras/Auction/introduction>



English auction

英式拍卖:

在新的出价提高价格，直到拍卖在一个固定的时间结束，谁出价最高的帐户赢得拍卖。



具体如下:

- 猫的主人（拍卖者），设定3个参数:
 - The kitty id
 - The minimum bid (the base price for the kitty) - 报价
 - An expiration time (as a block number) - 结束时间
- 竞拍者，设定2个参数:
 - The kitty id
 - The price they want to bid for that kitty

<https://en.wikipedia.org/wiki/Auction#Types>



拍卖的结果

出价最高的账户将在拍卖结束时获胜，即我们的Chain当前块数达到拍卖截止时间(以块为单位)。

- 竞拍获胜者支付代币给kitty所有者，
- Kitty的所有者将kitty转让给出价最高的竞拍者来完成拍卖。

我们将从storage中清理所有的竞拍和拍卖。

<https://en.wikipedia.org/wiki/Auction#Types>



Your will learn

What is the concept of time on chain?

链上时间

How do I create an escrow system using reserve balance?

使用准备金，创建一个托管系统

How do I implement a process that needs to be done at the start or end of a block?

如何在块开始或结束时执行需要实现的流程？



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Thanks