**Problem Statement:** In this task, you’ll be hunting down robots for an online auction business in this challenge. Human bidders on the site are getting increasingly dissatisfied with their inability to win bids when compared to their software-controlled competitors. As a result, usage among the site's core customers is declining.

To re-establish client satisfaction, site owners must remove computer-generated bidding from their auctions. Their attempt to construct a model to identify these bids using behavioral data, such as bid frequency over short time periods, has proven insufficient..

**Problem Definition:** The purpose of this project is to identify online auction bids made by "robots," allowing site owners to simply designate these individuals for removal from their site in order to avoid unfair auction behavior.

Online auctions are auctions made over websites. Thanks to the Internet, holding an auction has become much easier; People began to be able to participate in the auction by looking at the photos of the product from home, without going to the auction area. People started to sell their products more easily. The main reason for this is that since the physical boundaries have disappeared, people from all over the world have started to participate in auctions without being stuck with variables such as time and place. The largest online auction site is eBay, which was set up to facilitate the trade of goods between individuals.

But there is a handicap that makes it very difficult to use online auctions. Since these auctions are online, artificial intelligence and bots pretending to be humans are able to participate in these auctions. Because of these robots, people began to be unable to buy the products they wanted by auction. These robots, which are generally used by product sellers, prevent buyers from buying these products at reasonable prices by making high offers on the products of the sellers. For this reason, buyers understand that they cannot buy the products and leave the site by having bad experiences.

In order to detect these robots, we must analyze the data and identify the suspects with the following conditions.

* If a user is making offers like crazy, it makes them suspicious.
* The time elapsed between the last bid and the user's bid. Both the minimum value and the average value of this data will be taken. If it is suspiciously low, it will become suspicious.
* The number of countries that the user has made offers from is also one of the features that will attract suspicion.
* How many different ip addresses the user has is also one of the issues to be examined.
* It should also be examined how many different URLs the user uses. Suspicious cases should be flagged.
* What type of items the user is making offers to should also be marked, and if they are making wild offers in the same category, they should be examined.
* It is also important to note how many different devices the user offers. Bot systems usually log in from more devices. This is one of the cases that raises suspicion.
* By determining the devices that users log in, the devices that bots log in can be determined and determined as suspicious.

If too many suspicious situations arise from these evaluations, the user may be considered a robot and removed from the site.