

--Full Website Write Up--

Here I will do my best to describe exactly how I want this website to work. If you have any questions after this please just skype me! I will do my best to explain everything as best I can, as well as assist you in any way possible. I want to make this an easy project for you to code.

You are the coder and as such I'm sure you may know of way better, and easier ways to code things than I could ever think of. By all means feel free to do anything that will enhance this project, as well as make coding it easier for you.

The Idea: A Completely Anonymous Bitcoin Gambling Site

The Theme: DiceWars

The idea comes from a game known as runescape. A long time ago users would trust rich players to host these so called dice duels. The host hold both users money and both users roll a dice. The user with the higher roll wins. The host keeps 10% of the profits for making sure no one gets scammed. (obviousl since there is no way to chargeback)

I want to re-create this game in the form of an online website.

If livetime pvp is possible that would be AMAZING. However I don't know how to implement or how hard it would be to code so I'm going to assume its not.

If that's then I'm sure the website would work like this:

A user opens my website. They immediately see a list of first six digits of a users bitcoin address, and the amounts they bet. They can either choose one from the list (maybe include sorting options) or make a new bet.

The bet screen will simply let them enter an amount of bitcoins they want to bet, and have a button labeled roll. When roll is pressed they will receive a random number between one and six (or maybe two and twelve) (as in they roll 2 dice). This number is their secret number.

If they clicked on a listed item it takes them to a screen to pay and once payed their "dice is rolled" AKA random number generated. It compares that number with the user who's list item they clicked and the higher number wins.

The system then looks for anyone else who bet this amount and matches them together. (obviously the higher number wins 90% and my website keeps 10%) If no other user has bet the same amount then the bet will be posted to the homepage.

That's the basic outline for the functionality of the website! Things that I would appreciate it for it to have but aren't necessary if it starts becoming more work for the pay are:

- A tab that shows results
 - The ability for players to bet against the house instead of each other (in other words it just instant generates a random number for the house and compares the two) (for impatient users) (however if they choose this option they should know the odds aren't 50/50 like normal they are 40/60 in favor of the house or something)
 - pretty design
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If you have never worked with bitcoin before blockchain.info has an excellent api has become the standard for many bitcoin gambling websites! However feel free to use whatever makes this project easiest for you.

--Original Quick Write Up--

I need a php script that:

- Lets two people bet a certain amount of bitcoins
 - both people roll a six sided dice
 - the winner takes 80-90% of the profit
 - my website keeps the rest for hosting the game
- The results need to be updated in live-time on the homepage.

--Easy Way To Implement PvP---

I had an idea for an easy way to implement pvp:

My idea was to make it like a currency exchange website, a user places a bet, dice rolls assigning them a secret number, a log is posted to the website saying how much they bid. another user who want to bid the same amount goes on and clicks on it and it charges that person the same amount, the dice rolls generating that person a random number, the two peoples numbers are compared and the higher number wins, if the roll was a tie then It re-rolls for both of them.

Obviously the "Dice roll" would just be a php script that produces a random number between 1-6

--Famous Bitcoin Gambling Site + Source—

<http://www.satoshidice.com>

This was just an example for the payment processor

As you can see the users don't need to make accounts or anything

That website is actually open source and you can take a look at their scripts here:

<https://github.com/sgornick/satoshidice>