

Assignment 2 Part C

100 pts

This assignment is the third part of a three-part assignment that will teach you about Web service abuse. For this assignment, you will need to overcome additional anti-spam defenses to post spam to a bulletin board Web site we operate, and which we give you official permission to spam.

1 Target Web Service

Bord is a Web site that allows anyone to post comments on a publicly-visible bulletin board. Each of you will be attacking your own instance of the Bord site at:

`http://bord.ece498kl-fa2018.org/netid/v5`

where *netid* is your Net ID. Note that this is a separate partition of the Bord site from Assignments 2A and 2B.

2 Problem 5: CAPTCHAs

As in Problems 1–4, you must post 1,000 messages promoting your Web site from Assignment 1 to your instance of Bord at `http://bord.ece498kl-fa2018.org/netid/v5/` (where *netid* is your NetID). This version of Bord has all of the anti-spam measures of the previous versions, as well as a new defense: posting a message requires solving a CAPTCHA.

While Bord version 5 fixed the password database exposure bug, you suspect that some of the accounts from Problem 4 will still work in this instance of Bord.

You may use any CAPTCHA-solving service you wish to help you solve CAPTCHAs. *We will add \$1.10 in credit to any service that accepts Bitcoin.* Simply send your TA the payment address, as described in the example below.

One service you could use is AntiCaptcha (<https://anti-captcha.com>). Begin by signing up for an account. *Note that you do not need to use your real email address when signing up for AntiCaptcha.* Once you have an account, navigate to the *Add Funds* page (under *Finance*), then click *Bitcoin* to add funds using Bitcoin. In the popup, select *Direct payment to our Bitcoin address with 10%-20% bonus*, which will be the only option available. Type \$1 into the text box and click *Pay*. You will see a Bitcoin address as shown in Figure 1. Email this address to your TA and we will credit your account with \$1.10, which will be enough to solve 1,100 CAPTCHAs at AntiCaptcha. *This problem is worth 100 points.*

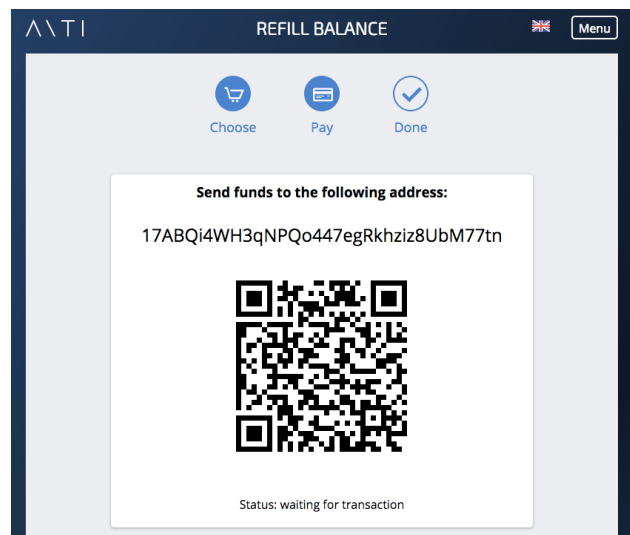


Figure 1: Refilling your AntiCaptcha account using Bitcoin.

3 Submitting Solutions

You do not need to submit anything for this assignment. You will be graded on the contents of your Bord site instances. If you would like to use one or more of your three 24-hour extensions, *you must email the instructor and the TA*; we will then check your site at the end of the extension. You may *not* discuss your solution with other students until three days after the assignment deadline.