***PHP Assignment – Investing.com***

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**Date: 10/07/2019**

**You need to build in PHP7 a “Chaos Server” with an html page with 3 buttons:**

**The chaos server will expose just one endpoint – “/response”. It will return 3 types of http responses – 200, 401 and 500, depending on the “chaos mode”**

**in which the server’s state is currently in**

**The html page will have 3 buttons: “normal”, “degraded” and “failure”.**

**Clicking on each button will change the “chaos mode” of the server according to the following:**

**1.normal – 100% of requests will result in 200 http responses**

**2.degraded – 50% of requests will result in 200 http responses, 25% in 401 http responses and 25% in 500 http responses**

**3.failure – 5% of requests will result in 200 http responses and 95% of requests will result in 500 http responses**

**The test client will run 100 times on each call (php test.php) and probe the /response endpoint.**

**It will output (to the html page) the real percentage of the different http statuses from the server.**

**You need to:**

**1.Code the above program(s)**

**2.Write a basic README that explains how to run and setup everything**

**3.Commit and push the code to your github**

**Advanced section: implement the “Chaos server” with dynamic modes that**

**defined in a json configuration file. So for example, if I have this json config:**

**{**

**“normalA”: {**

**“200”:95**

**“201”: 3**

**“301”: 2**

**},**

**“normalB”: {**

**“201”:95**

**“202”: 5**

**},**

**“degraded”: {**

**“200”: 40,**

**“201”: 40,**

**“500”: 10,**

**“501”: 10**

**}**

**}**

**Then I’ll see in the admin panel those modes, and the server will be able to work using those modes**

**Good luck!**