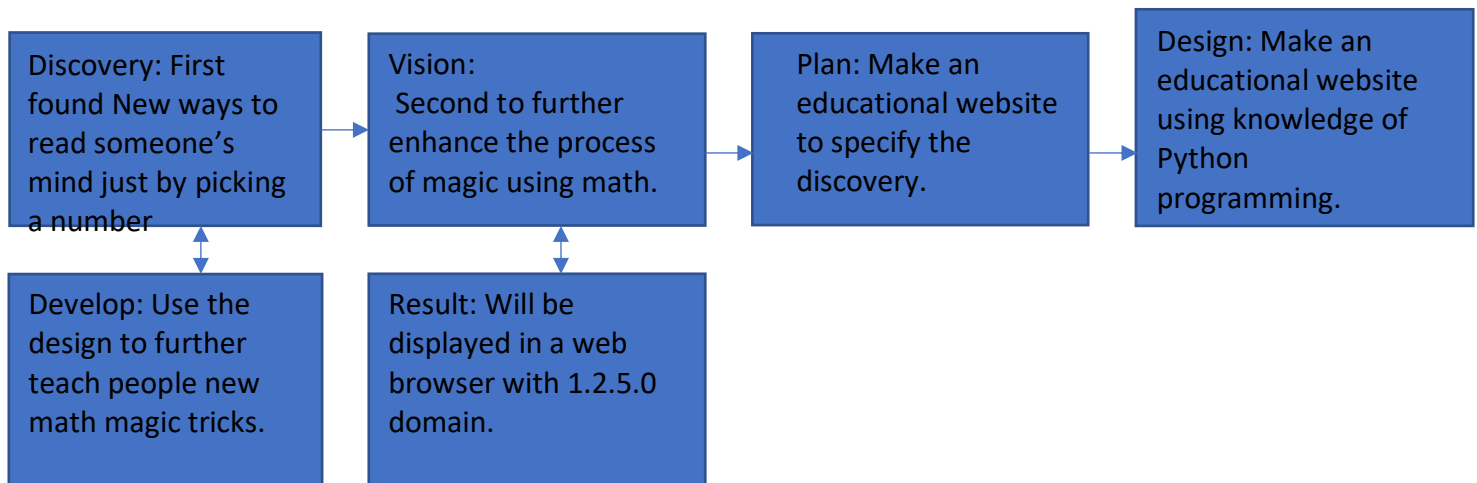


# Project Report- Shravan Srinivasan

Project Specification- My project will be based on a website creation in python using flash. For further specification I will focus on writing details for my website about a topic called "Number Game". The purpose of this website is to educate people on how to do magic based on mathematics where you pick a random number between 10 to 99 and to guess what number they have. People always want something unique especially in magic of math.

The format will be written into one big paragraph. One is the instructions of the game which demonstrates how you can do the thing as a whole. The second one is the formula of the number which is #no from 10 to 99 times 90 times 20 times 50 and finally divide by 11.25. ask them the result first. Then you secretly divide the first three numbers by 8 in your head and you get the result being their chosen number. The final sections will be about how I came into terms to making this trick.

## Solution Design-



Discussion of what was implemented and how it works- The front hand page of the page shows the title and the descriptions of the topic in a one big paragraph. The title of it is "NUMBER GAME". At the bottom are paragraphs of how the trick is done as a whole and the back hand of the project is shown using series of python code. The algorithm I used is

Evidence image of the front hand:

## NUMBER GAME

hello, people in this website i be giving you a number game tutorial on how you can guess someone based on reading their minds! Step one ask them to pick a random number between ten to ninty nine. Ex:twenty five Then step two apply the following formula : #no from 10 to 99 times 90 times 20 times 50 and finally divide by 11.25. ask them the result first. from the examples given it will look like 25x90x20x50 and finally divide by 11.25. **NOTE FROM HERE THE TRICK IS ALREADY OVER** because when they say out the result you can just take the three numbers and divide by 8 and it will be their chosen number. for the number 25 the result after division by 11.25 is 200000 at first they think that you only see that particular number and that the person think that you will never know what number they chose in the first place, but little did they know from that you can secretly take a calculator or divide mentally the first three digits and eliminate additional zeros by 8. you will be suprised that you indeed found out about their number.From that i would like to denounce that making this simple yet interesting website is good. I came about doing this tricks because of three big reasons such as proving the myth that reading people mind does not exist wrong, Entertain people by showing this trick, and most importantly learn to think outside the box.

Evidences of The Backhand codes:

For me to start my flask website I use `from flask import Flask` to start my web design and is a module for my extremely simple web making. `App=flask(__name__)` being the verification of my variables. To map or place my website server I use `@app.route('/')`. `Def hello_world():#` is a sample default which I act it as a body function and `hello_world` being the function names. Return is the whole body of the website of the paragraph. `If __name__ == 'main':`  
`App.run(debug=true)` helps run the app and `debug=true` is just for me to make sure whether the debug is on or off.

```
from flask import Flask #Here I am using Flask as an object to create my project of my descriptive website and
an imported modules called "Flask" which overall creates an app.
app = Flask(__name__)#Here I use the variable app to identify my website names.

@app.route('/')# I have used App routing which is used to map specific URL with associated function that
intends to perform some task. In other words, we can say that if we visit the particular URL mapped to some
particular function, the output of that function is rendered on the browser's screen which all in all tells what that url
return.
def hello_world():#Here I created a function called "Hello_world"
    return '<h2>NUMBER GAME<h2> hello, people in this website I be giving you a number game tutorial on how
you can guess someone based on reading their minds! Step one ask them to pick a random number between ten
to Ninty nine. Ex:twenty five Then step two apply the following formula : #no from 10 to 99 times 90 times 20
times 50 and finally divide by 11.25. ask them the result first. from the examples given it will look like
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number and that the person think that you will never know what number they chose in the first place, but little did
they know from that you can secretly take a calculator or divide mentally the first three digits and eliminate
additional zeros by 8. you will be suprised that you indeed found out about their number.From that i would like to
denounce that making this simple yet interesting website is good. I came about doing this tricks because of three
```

big reasons such as proving the myth that reading people mind does not exist wrong, Entertain people by showing this trick, and most importantly learn to think outside the box.'

# The above code shows the title "NUMBER GAME" and the description of it. on localhost port 5000 in a web browser when run with the python app.py command and the Flask library installed and also a methods to write a description using return and <h2> which is header 2.

```
if __name__ == '__main__':
```

```
    app.run(debug=True)
```

# The above code states that if `__name__ == "__main__"`: `app.run()` uses a method called `run()`. The condition `__name__ == "__main__"` ensures that the `run()` method is called only when `main.py` is run as the main program. The `run()` method will not be called if you import `main.py` in another Python module which overall runs the app. I used a primitive data types called boolean where i make sure that the debug is true. Turns out it is not defined which is neither true or false

## References:

1. <https://flask.palletsprojects.com/en/1.1.x/>
2. <https://www.fullstackpython.com/flask.html>
3. <https://realpython.com/tutorials/flask/>
4. <https://code-maven.com/hello-world-with-flask-and-python>
5. <https://www.freecodecamp.org/news/how-to-build-a-web-application-using-flask-and-deploy-it-to-the-cloud-3551c985e492/>
6. <https://www.thoughtco.com/math-tricks-that-will-blow-your-mind-4154742>
7. <https://www.learn-with-math-games.com/math-number-tricks.html>