FOSSDEV

Free & Open Source Software Development Problem

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"All of our code is open source, so it can be used for other projects. "

Do you remember the first application you launched when you were a kid?

The answer is simple isn't it - A GAME.

Now it's your chance to make a game of your own which you must have wondered at least once in a lifetime.

Let the journey begin …

Problem Statement

Objective

In this problem, a **BRICS** game. Given the time constraint, it may not be possible to develop a full edged game. But it should have some of the important features of the BRICS game. For that a snapshot of the game has been given in this document. However, the objective of the problem is to build a ready to use feature rich game on top of the code already provided to you.

Programming Language - Python (**www.python.org**)

Python is an agile programming which has developed rapidly In the last decade. It is an easy to learn and favours rapid development. It is a cool language with lots of help and support available online.

Version to be used - 2.6 or 2.7 (strongly recommended)

for people using linux:
- python 2.6 is preinstalled if not then use

```
sudo apt-get install python
```

for people using windows :
- install IDLE for 32 or 64 bit from:
  http://www.python.org/download/releases/2.6.6/
- run the setup

"1st yearites" are suggested to pair up with their seniors or they can use the Windows Lab of main cc for coding but let me warn you that restricted access can hamper your creativity and productivity.

Python is very easy to adapt to if you are familiar to C/C++/Java.

Libraries are called *'Modules'* in Python

A SPECIAL LECTURE FOR FOSSDEV WILL BE HELD VERY SOON SO IF YOU HAVEN'T GOT A BIT JUST MAKE SURE YOU BE THERE. TILL THEN VISIT THE LINK I PROVIDED, DOWNLOAD THE BOOK LEARNING PYTHON AND GO THROUGH IT.

Rules

1 Team size is 1-4 members, but you can approach anyone for ideas or help. However, all coding has to be done by the team.

2. Any form of code copying from the internet will lead to disqualification. However you can borrow ideas or some standard codes (if used site the references).

*3. You are advised to use **Pygame** for game development .But apart from that you are free to use any other module in python.*

4. If two or more teams are found using the same code as a whole or in parts, each of them will be disqualified.
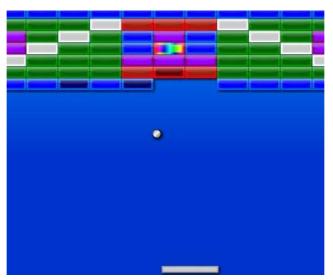
5. The submission will not be accepted without documentation (submitted along with the code) and presentation (held later). Further, their submitted code only would be tested during presentation.

6. Any change in the rules whatsoever will be informed to the teams beforehand.

7. The coordinators decision in each and every matter shall be final.

1. *Originality and creativity **(Very Imp.)***
2. *User Interface.*
3. *Properly commenting the code and maintaining uniformity in tabs and whitespaces.*
4. *The extensibility of your code, how easily it can be extended by anyone (not only you), to add more features. Features means anything you can think of that increases the scope of your software, or makes user's task easier.*
5. *You are free to use the GUI frameworks provided to you, or code entirely from scratch. It is clearly stated that neither using the given framework will be counted against you, nor will coding everything from scratch given any extra credit.*
6. *There needs to be a separate documentation for your final software (4 pages maximum), giving only essential details about the code structure (details of modules and functions used), how to use your software, and how to further extend it. Good documentation would be given extra credit.*
7. *It is possible that you code crashes for some special situation that you could not forsee. As long as this does not affect the general usability, as well as does not lead to loss of data, it will not be counted against you.*
8. *The teams would have to give a short presentation briefing about the features and showing a sample test on their code.*
9. *The judge's decision in each and every matter shall be final.*
10. *If the above parameters are modified you shall be informed.*

BRICS GAME