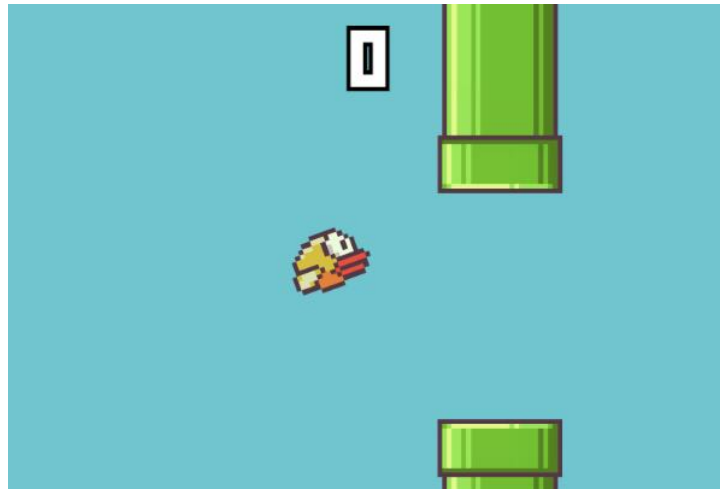**Total Marks: 9 marks**

Course: Internet Tools
Topic: React Framework

In this assignment, you will extend the game we created in HTML, CSS and JavaScript **in React**. **This time you will be writing code in React framework**. The code for the game is passed alongside the assignment.

Core Extensions:

1) **Dual Obstacles (Top and Bottom Pipes)**
   a. Create two obstacles (like the one I showed you in the class) moving together with a gap in between. Like one shown in this image. The gap should be enough to allow character to jump in between. Just to clarify, *I don't want you to make something like an image below. This image is just to give you an idea of how one UP obstacle and one DOWN obstacle looks like.*

2) **Horizontal Movement**
   a. Add **ArrowLeft** and **ArrowRight** to move the player horizontally.
   b. Prevent moving out of the game box.
3) **Scoring System**
   a. Print **Score** and Increase **it** when player successfully passes an obstacle pair.

Deliverables:

- Record the demonstration as a short video (1 – 3 minutes) and submit it along with your code.

- Run the react app in your PC.

- Show the game is working fine.

  - Move left and right to show you have implemented functionality

  - Jump to pass obstacles

  - Score should be increased in case you jump correctly.

- For the code, upload on Github and share the link with proper commits. If you don't have enough commits, **you will be given zero**. I will go and see history of how you wrote the code.

Note: Failure to follow the instructions will result in ZERO marks.