

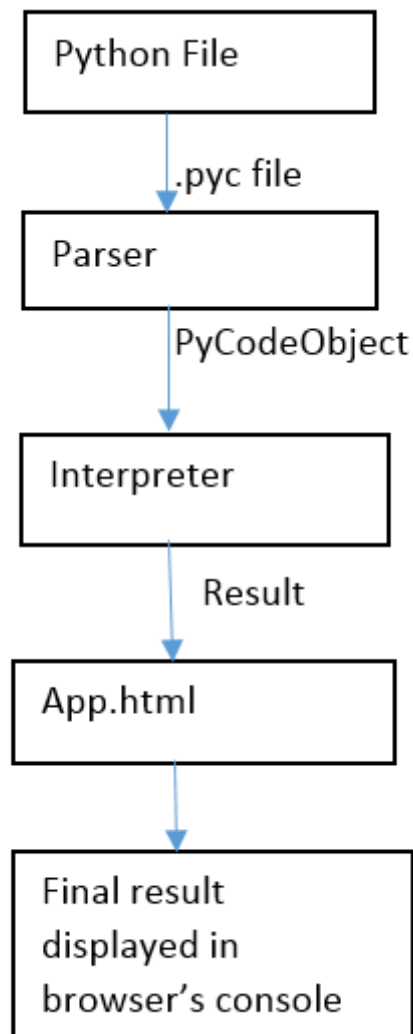
# TyPy: A Python Bytecode Interpreter for the Browser

Puja Mishra, Kate Silverstein

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## 1 Understanding the Requirements

The goal of this project is to implement a Python bytecode interpreter which is engine dependent and also can be hosted on a variety of browsers. So the high level picture of how we have implemented is shown below.



## **2 Design Approach**

### **2.1 Parser**

#### **2.1.1 Structure of a Python Bytecode File**

### **2.2 Interpreter**

#### **2.2.1 Stack-Based Interpreters**

### **2.3 Other Design Considerations**

#### **2.3.1 Client-Side vs. Server-Side Javascript**

## **3 Results**

### **3.1 Supported Functionality**

## **4 Future Work**

## **5 Conclusion**

## **6 References**