

Python Developer Test Question

1. Write a python program to print the below pattern (without using loop)

Hint: recursive and mod 2

sample output

i) if n=5

```
1
10
101
1010
10101
```

ii) if n=3

```
1
10
101
```

2. Design a UML class diagram for the scenario

Hint: Draw UML for relational database structure

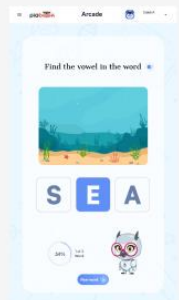
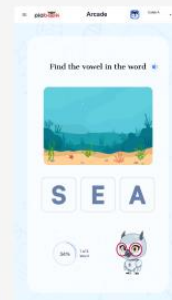
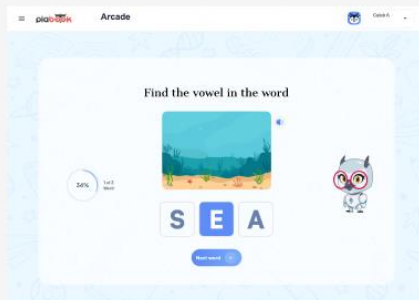
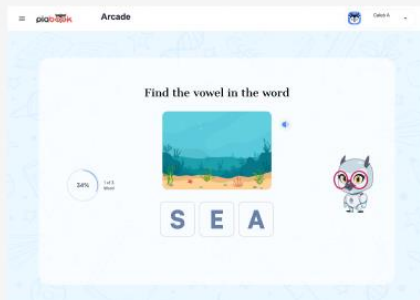
Patient can visit hospital site and booked for a doctor appointment or patient can call to hospital for appointment where a hospital staff can booked appointment for the patient.

During appointment booking Patient can see doctor name, degrees, and specialty and must provide patient name, address, phone no, appointment date and appointment slot. when a staff booking appointment, he/she should include his name and staff id.

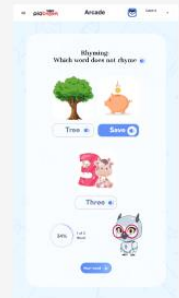
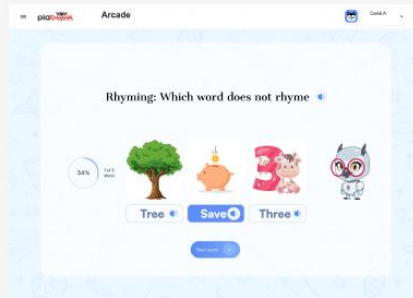
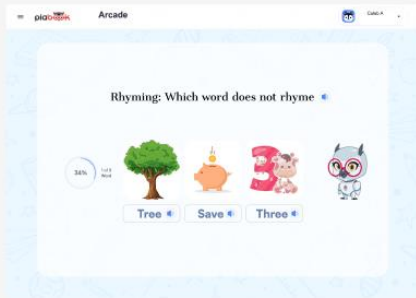
3. Write Django model that can store following game data

Hint: models for relational database structure

Consonant & Vowels: Find the vowels in the word



Rhyming: Which word does not rhyme



Syllables: How many syllables does it have

