Documentation

**Endpoint URL:https://ice2api.azurewebsites.net/swagger/index.html**

**HTTP method :**

var summaries = new[]

{

"Apple", "Mango", "Beach", "Chair", "Dance", "Earth", "Fairy", "Ghost", "Happy", "Igloo"

, "Jeans", "Lemon", "Music", "Ocean", "Peach", "Queen"

, "River", "Smile", "Tiger", "Umbra", "Vital", "Water"

, "Youth", "Zebra", "Alarm", "Brave", "Cloud", "Dream", "Fruit", "Green"

};

string genWord = "";

app.MapGet("/GenerateWord", (HttpContext httpContext) =>

{

Random rnd = new Random();

int num = rnd.Next(0, summaries.Length);

genWord = summaries[num];

return genWord;

})

.WithName("GetGenerateWord")

.WithOpenApi();

app.MapPost("/CheckWord", (string word) =>

{

List<char> correctLetters = new List<char>();

List<char> correctPosition = new List<char>();

string result = "";

if(word != genWord)

{

for (int i = 0; i < word.Length; i++)

{

if (word[i] == genWord[i])

{

correctPosition.Add(word[i]);

}

else if (genWord.Contains(word[i]))

{

correctLetters.Add(word[i]);

}

}

if(correctPosition.Count != 0 && correctLetters.Count != 0)

{

result = "Correct position = ";

for (int i = 0; i < correctPosition.Count; i++)

{

result += correctPosition[i] + ", ";

}

result += "\nCorrect letters = ";

for (int i = 0; i < correctLetters.Count; i++)

{

result += correctLetters[i] + ", ";

}

}

else

{

result = "Nothing correct";

}

}

else

{

result = "Correct";

}

return result;

})

.WithName("PostCheckWord")

.WithOpenApi();

app.Run();

**Request parameter**: String word

**Response Format:**

Example of outputs

Green letters= b, r, a,;

Yellow letters= m, b,

Correct

Nothing correct

**Example request and responses:**

Word = “Green”

**Error handling:**

if(word.Length < 5 || word.Length > 5)

{

result = "Error";

}