

# MC GPT

House Party Manager



MC GPT

한양대학교 정보시스템학과  
강준규 김지훈 박종수

# CONTENTS

01

DEVELOPMENT  
BACKGROUND

02

SERVICE  
INTRODUCTION

03

ARCHITECTURE

04

DEMO VIDEO

# MARKET ANALYSIS



HOUSE PARTY

House Parties  
are Trending After COVID



EXPENSIVE EATING OUT

Recent Rise in  
Customer Prices



STEADY DEMAND

Steady Demand for MTs

# PROBLEM

“

Too Many Aspects to Consider & Prepare for the Host

”





House Party and MT Manager  
Using a Mobile Application and Generative AI

# MAIN FEATURES



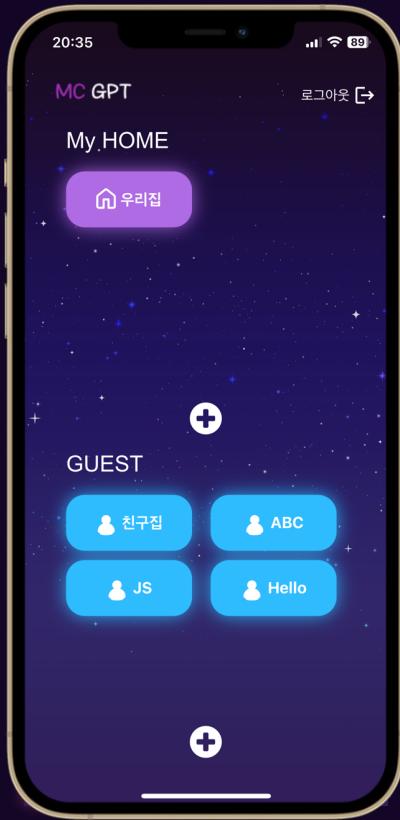
Space  
Management



Lighting  
&  
Appliance Control



AI based  
MiniGames

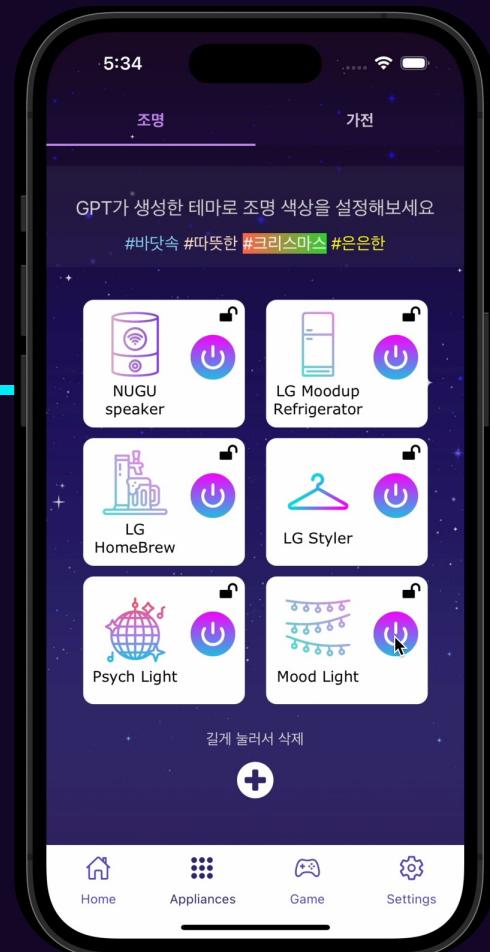


## 01. Space Management

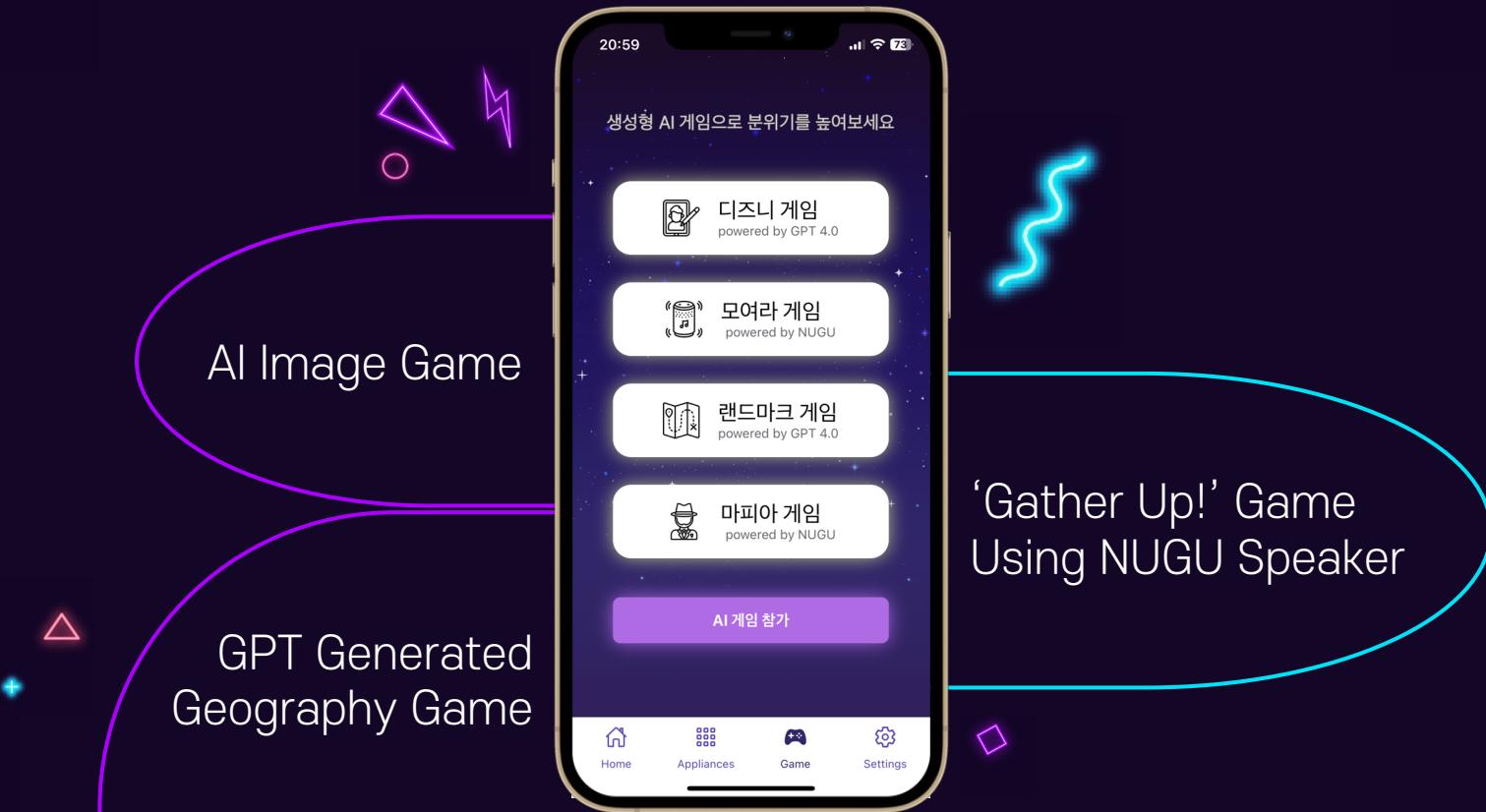
- Space Registration
- Space Entering via Codes
- Code Refresh

## 02. Lighting & Appliance Control

- ✓ Adjust Color or Brightness of Lights
- ✓ GPT based Color Suggestions
- ✓ Making Party Moods by controlling Appliances such as TVs or ACs



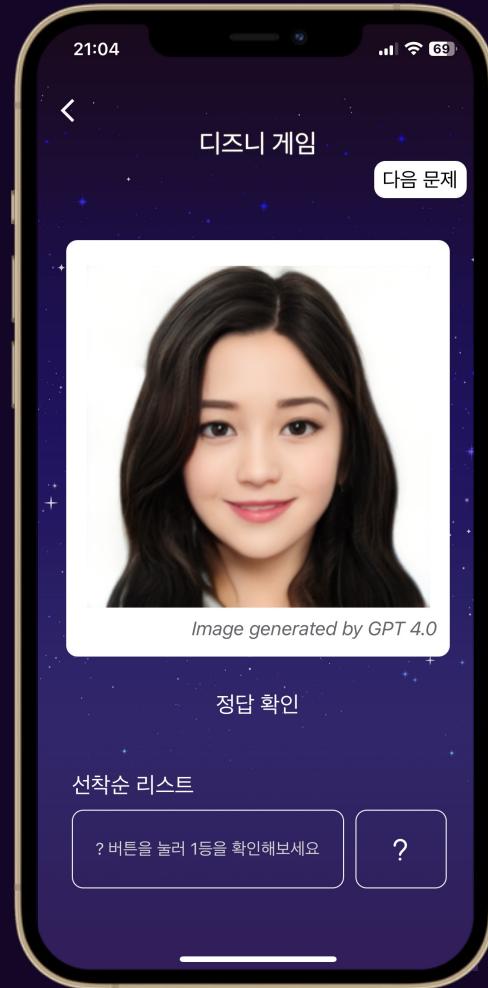
# 03. Generative AI Based MiniGames





## AI Image Game

Game identifying the real person from photo  
transformed into a cartoon-like image using the  
StyleGAN2 model implemented by PyTorch.





# GPT Geography Game

Game Identifying Landmark Names From Images

- 1) Receive Landmark coordinates using OpenAI API
- 2) Get StreetView Image from Google Maps API

Powered by  OpenAI

# 'Gather Up!' Game Using NUGU Speaker

Game grouping into teams of a certain number given by NUGU

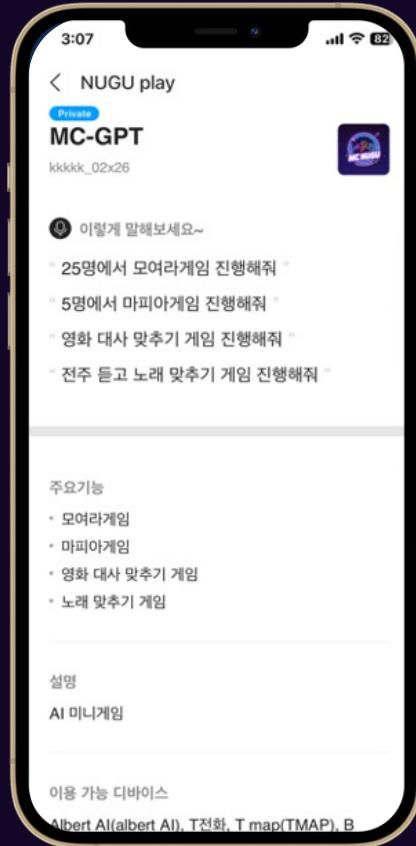
**3 Encourage students to quickly find and connect with the exact number of classmates you called out**

**GROUPS OF 3**

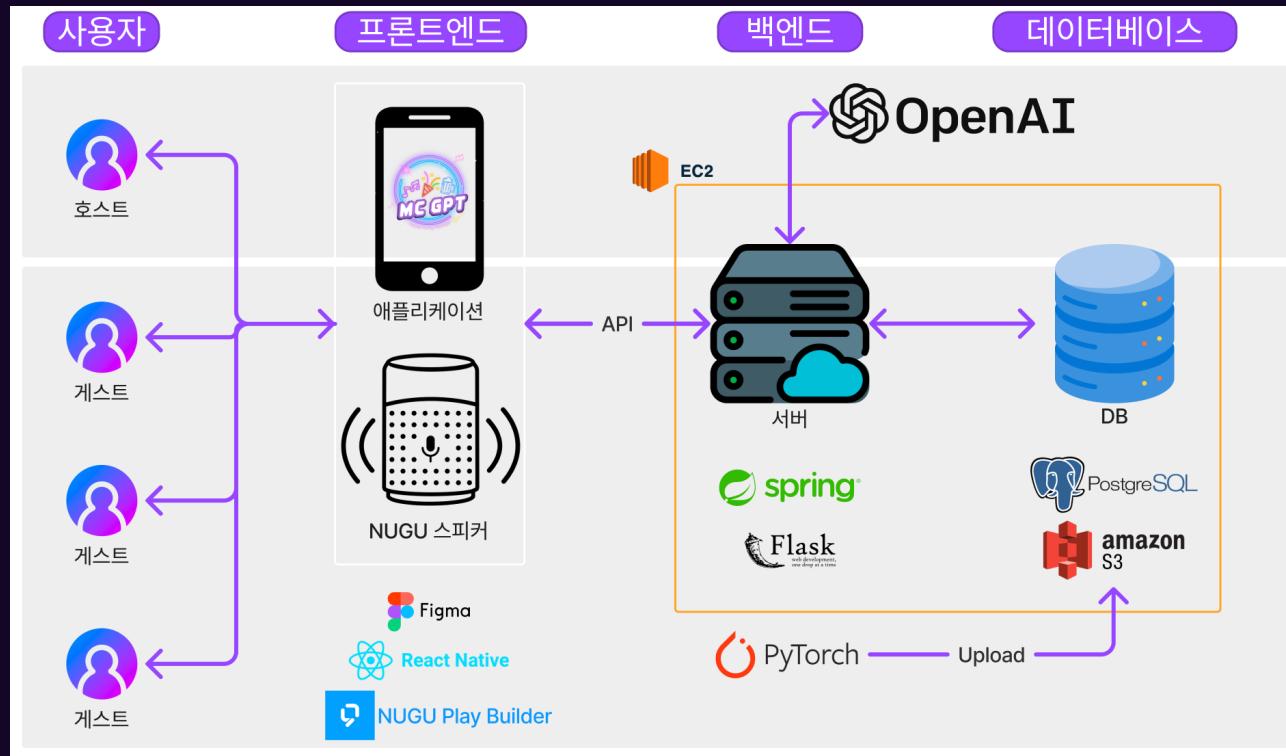
The illustration shows 12 student icons (6 red, 6 blue) arranged in groups of 3. There are four groups of three. The first group has one red icon in the center. The second group has two red icons in the center. The third group has one blue icon in the center. The fourth group has two blue icons in the center.

eSe EDUCATIONAL STAFF RESOURCE CENTER

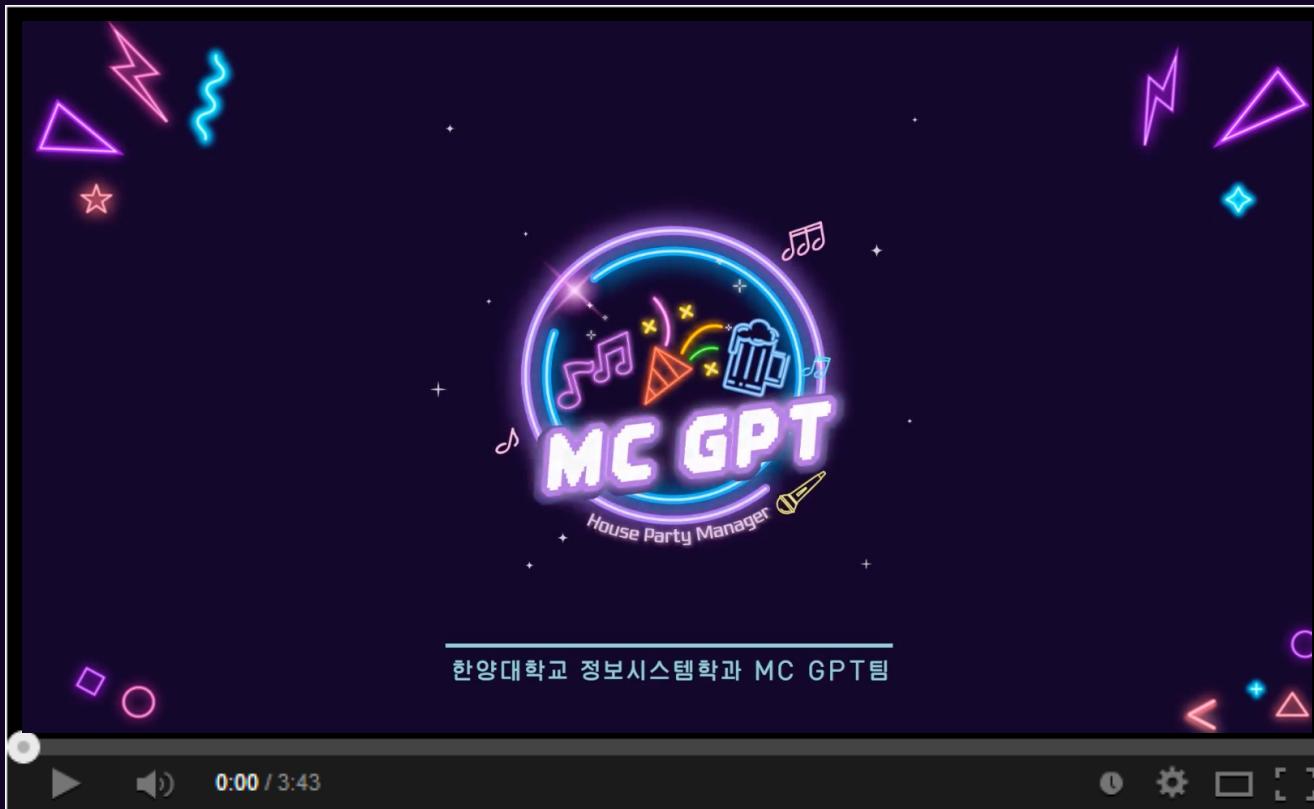
GIEPPUN.COM



# Service Architecture



# DEMO VIDEO



# CONCLUSION

MC GPT can Reduce the Burden of the Host Regarding Music, Lighting or Games





# FURTHER DEVELOPMENT

01

1. Opening the Game Tab for Users to
2. Register Games of Their Own

02

Community Features for Nearby Spaces to Interact

03

Entirely AI lead parties and MTs

♪ MC GPT ♪  
House Party Manager