[Pizza Heist Code Walkthrough]

More details included in the code comments...

[Text Writer Files]

TextWriter.cs

```
using System.Collections;
using System.Collections.Generic;
using UnityEngine;
using UnityEngine.UI:
public class TextWriter : MonoBehaviour
   private static TextWriter instance;
   private List<TextWriterSingle> textWriterSingleList;
   private void Awake() {
       Time.timeScale = 1:
        instance = this;
        textWriterSingleList = new List<TextWriterSingle>():
   public static TextWriterSingle AddWriter_Static(Text uiText, string textToWrite, float timePerCharacter, bool invisibleCharacters, bool removeWriterBeforeAdd)
        if (removeWriterBeforeAdd)
           instance.RemoveWriter(uiText):
        return instance.AddWriter(uiText, textToWrite, timePerCharacter, invisibleCharacters);
   private TextWriterSingle AddWriter(Text uiText, string textToWrite, float timePerCharacter, bool invisibleCharacters) {
        TextWriterSingle textWriterSingle = new TextWriterSingle(uiText, textToWrite, timePerCharacter, invisibleCharacters);
        textWriterSingleList.Add(textWriterSingle);
        return textWriterSingle;
   public static void RemoveWriter Static(Text uiText) {
        instance.RemoveWriter(uiText):
   private void RemoveWriter(Text uiText) {
        for (int i = 0; i < textWriterSingleList.Count; i++) {
           if (textWriterSingleList[i].GetUIText() == uiText) {
               textWriterSingleList.RemoveAt(i);
```

Displays a string of text onto a UI text element, one character at a time, similar to a typewriter.

Used for all text elements throughout the game.

ChatRoom Files

Left to Right: ChatRoom.cs, ChatRoom2.cs, ChatRoom3.cs

```
eamRocketPizza > code > Pizza Heist Game > Assets > Script > C ChatRoom.cs
     public class ChatRoom : MonoBehaviour
         public Button startChatButton;
         public Image chatImage;
         public Image bossIcon;
         private Text messageText;
         private Text clickToContinue;
         private TextWriter.TextWriterSingle textWriterSingle;
         private int currentMessageIndex - 0:
        public float delay - 30f:
         private string[] messageArray;
         private void Awake() {
         messageText = transform.Find("message").Find("bossMessage").GetComponent<Text>();
         clickToContinue = transform.Find("message2").Find("clickToContinue").GetComponent<Text>();
             messageArray = new string[] {
             startChatButton.onClick.AddListener(OnStartChatClicked); //Event listener to start chat
             messageText.gameObject.SetActive(false);
             chatImage.gameObject.SetActive(false);
             bossIcon.gameObject.SetActive(false);
             clickToContinue.gameObject.SetActive(false);
```

```
eamRocketPizza > code > Pizza Heist Game > Assets > Script > ♥ ChatRoom2.cs
     public class ChatRoom2 : MonoBehaviour
         private Text messageText;
         private Text clickToContinue;
         private TextWriter.TextWriterSingle textWriterSingle;
         private string[] messageArray;
         private int currentMessageIndex = 0;
         public float delay - 10f:
         private void Awake() {
         messageText = transform.Find("message").Find("bossMessage").GetComponent<Text>();
         clickToContinue = transform.Find("message2").Find("clickToContinue").GetComponent<Text>();
         clickToContinue.gameObject.SetActive(false);
         messageArray - new string[] {
             "ksi7^%Bu we%$NSpw9 2&456".
              "It will detect irregular patterns and defend against anything malicious.",
              "Click on the 'Anti-Virus' folder, Hurry!"
             transform.Find("message").GetComponent<Button_UI>().ClickFunc = () => {
                 if (textWriterSingle != null && textWriterSingle.IsActive()) {
                     textWriterSingle.WriteAllAndDestroy();
                     ShowNextMessage();
```

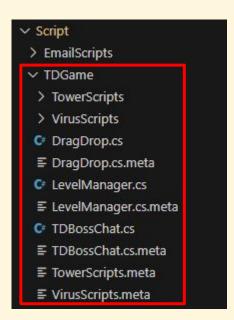
```
eamRocketPizza > code > Pizza Heist Game > Assets > Script > C ChatRoom3.cs
     public class ChatRoom3 : MonoBehaviour
        private Text messageText;
        private Text clickToContinue;
        private TextWriter.TextWriterSingle textWriterSingle;
        private string[] messageArray;
        private int currentMessageIndex - 0;
        public float delay = 5f;
        private void Awake() {
        messageText = transform.Find("message").Find("bossMessage").GetComponent<Text>();
         clickToContinue = transform.Find("message2").Find("clickToContinue").GetComponent<Text>();
        clickToContinue.gameObject.SetActive(false);
         messageArray = new string[] {
             "Your survived your first day on the job.",
            "I'll see you again tomorrow, bright and early.".
            transform.Find("message").GetComponent<Button UI>().ClickFunc = () => {
                if (textWriterSingle != null && textWriterSingle.IsActive()) {
                     textWriterSingle.WriteAllAndDestroy();
                     ShowNextMessage();
                ShowNextMessage();
```

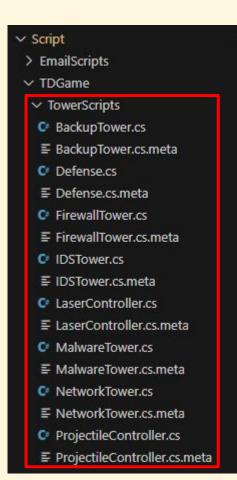
Calls the TextWriter function to print an array of text to print the messages as seen on the different Desktop scenes

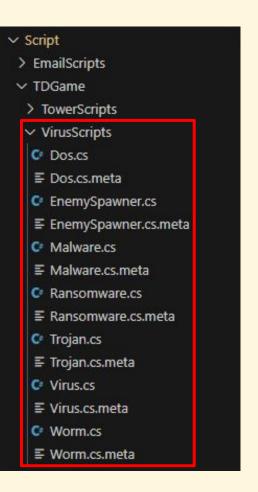
[Tower Defense Files]

Folders

All of the Tower Defense files are located in the "TDGame" folder. Tower and Virus files are in their respective folders.







Tower Files

Top: Defenses.cs, FirewallTower.cs

Bottom: MalwareTower.cs, NetworkTower.cs, IDSTower.cs

Creates the unique logic for the different towers.

```
[Header("References")]
public LayerMask enemyMask;
public Transform firingPoint;
public float firerate:
public float rotationSpeed:
public float targetRange:
public float fireCooldown:
public Transform occupiedSlot:
private AudioSource audioOrig;
    audioOrig = GetComponent<AudioSource>();
      public int shockDamage;
          partSys = GetComponentInChildren<ParticleSystem>();
          audio = GetComponent<AudioSource>();
```

```
using System.collections;
using Unitypedine;
using Unitypedine;

// FIREMALL TOWER CHILD CLASS]
// Purpose: A child class that only holds function for the firewall tower

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// Purpose: A child class
```

```
using System;
using System.Collections;
using System.Collections.Generic:
using Unity.Mathematics;
using UnityEditor;
using UnityEngine;
using UnityEngine.Pool;
using UnityEngine.XR;
public class MalwareTower : Defense
    private void Update(){ // malware tower's update method
        ClickEvent();
        if (target == null){
            FindTarget(); // find target
         RotateTowardsTarget(); // rotate turret
         if(!CheckTargetInRange()){ // check turret
            target = null:
            fireCooldown += Time.deltaTime; // firecooldown timer
            if(fireCooldown >= 1f/firerate){
                 Shoot(); // Shoot
                 fireCooldown = 0f;
```

```
using system.collections;
using system.collections.demeric;
using unityingine;
using unityingine;

// [BACOUP TOMER CHILD CLASS]

// Purpose: A child class that only holds function for the backup tower
public class Retworkcomer: Defense

public class Retworkcomer: Defense

private Particlesystem partsys;
public int shocknamage;

private void Start(){
private now and choource and do;
private void of Start(){
private void of Start(){
private void update(){
clickwent();
}

private void Update(){
clickwent();
}

findrapet();
return;

}

if(lonekTargetInRange()){
target = null;
}

slee(
fireCooldoum + Time.deltaTime;
fif(recooldoum > 1f/Firerate){
Shoct();
}

public void Shockpulse(){
fireCooldoum - 0f;
}
}

public void Shockpulse(){
colliders();
fireCooldoum - 0f;
}

public void Shockpulse(){
colliders();
forecact(collider() c in colliders){
virus virus = c.GetComponentcVirus>();
}
```

```
public int laserDamage:
private new AudioSource audio:
private void Start(){ // Get component at the start of the first frame
   audio = GetComponent<AudioSource>();
   partSys = GetComponentInChildren<ParticleSystem>();
private void Update(){
   ClickEvent();
    if (target == null)
       FindTarget();
    if(!CheckTargetInRange()){
        RotateTowardsTarget(); // Rotate target
        fireCooldown += Time.deltaTime; // Cooldown timer
        if(fireCooldown >= 1f/firerate){
           Shoot(): // Shoot
            fireCooldown = 0f;
```

Tower Files

Left to Right: ProjectileController.cs, LaserController.cs

```
using System.Collections.Generic;
    [Header("References")]
    [SerializeField] private Rigidbody2D rb;
    [Header("Attribute")]
   [SerializeField] private float projSpeed = 1f;
   [SerializeField] private int projDamage - 1;
   private Transform target:
   private Vector2 direction;
   void Start(){
       if (target == null){
           Destroy(gameObject,0.2f); // Default forward direction of the projectile
    void Update(){
      if(target != null)
           direction = (target.position - transform.position).normalized;
           RotateTowardsTarget();
       rb.velocity = direction * projSpeed;
   private void RotateTowardsTarget(){
       if (target == null) return; // Avoid trying to rotate if there's no target
       float angle = Mathf.Atan2( // Algorithm to track angle rotation towards target
       target.position.y - transform.position.y.
       target.position.x - transform.position.x)
       * Mathf.Rad2Deg - 90f;
```

```
using System.Collections;
using System.Collections.Generic;
using UnityEngine;
public class LaserController : MonoBehaviour
   private IDSTower IDSTower;
   public GameObject exploPref;
   private Dictionary (GameObject, float) enemyCooldowns = new Dictionary (GameObject, float)();
   public float hitCooldown = 0.5f; // Cooldown duration in seconds
   private void OnParticleCollision(GameObject other)
        if (other.CompareTag("Enemy"))
           if (enemyCooldowns.ContainsKey(other) && Time.time < enemyCooldowns[other])
           Virus virus = other.GetComponent<Virus>();
            if (virus != null)
               virus.TakeDamage(IDSTower.laserDamage);
               GameObject ex = Instantiate(exploPref, virus.transform.position, Quaternion.identity);
               Destroy(ex, 1f); // Destroy the explosion effect after 1 second
               enemyCooldowns[other] = Time.time + hitCooldown;
            Debug.Log("Enemy found and processed");
```

Handles the projectiles ejected from towers. Laser is only used for the IDS.

Virus Files

Virus.cs

```
using System.Collections;
using System.Collections.Generic;
using System.Threading;
using UnityEngine;
using UnityEngine.EventSystems;
public abstract class Virus : MonoBehaviour
    public Rigidbody2D rb;
    public SpriteRenderer spriteRenderer;
    // Start is called before the first frame update
    [Header("Virus Stats")]
    public int hitPoints;
    public int coinsWorth;
    public int damage;
    public float speed;
    public int waypointIndex = 0;
    public Transform target;
    private float origSpeed;
    private Color originalColor;
    private Coroutine slowEffectCoroutine;
    public virtual void Start()
        target = LevelManager.main.waypoints[waypointIndex];
        originalColor = spriteRenderer.color;
        origSpeed = speed;
    public IEnumerator WaitTimer(){
        yield return new WaitForSeconds(0.2f);
    protected virtual void Update()
        if(Vector2.Distance(target.position, transform.position) < 0.1f){</pre>
            waypointIndex++;
```

Parent class to all of the different viruses

Virus Files

Top: Trojan.cs, Worm.cs

Bottom: Ransomware.cs, Malware.cs, Dos.cs

Inherits from the parent class to create different unique viruses

```
public int numberOfDuplicates = 2; // Number of duplicates to spawn
public Sprite happySprite; // The sprite for the happy state
public int berserkHealth = 10; // Speed multiplier for berserk mode
                                                                                                                     explode = GetComponentInChildren<ParticleSystem>()
    spriteRenderer = GetComponent<SpriteRenderer>();
    animator = GetComponent<Animator>():
                                                                                                                     for (int i = 0: i < numberOfDuplicates: i++)
    spriteRenderer.sprite = happySprite;
                                                                                                                         Vector3 spawnPosition = transform.position + new Vector3(Random.Range(-0.6f, 0.6f), Random.Range(-0.6f, 0.6f), 0.6f);
    spriteRenderer.color = Color.vellow; // Set the color to yellow for happy
                                                                                                                         GameObject duplicate - Instantiate(virusPrefab, spawnPosition, Quaternion.identity);
    animator.Play("HappyWalk"):
public override void UseAbilties()
       spriteRenderer.sprite = angrySprite; // Change to the angry sprite
spriteRenderer.color = Color.red; // Change the color to red for angry
        speed = berserkSpeed:
                                                                                                                    waypointIndex - currentWaypointIndex:
       animator.Play("AngryWalk");
Debug.Log("Trojan is now berserk!");
```

```
using System.Collections;
using System.Collections.Generic;
using UnityEngine;
public class Ransomware : Virus
   public int taxAmount;
   public override void UseAbilties()
       if(waypointIndex == LevelManager.main.waypoints.Length){
           if(LevelManager.main.coins >= 0){
               LevelManager.main.coins -= taxAmount;
                if(LevelManager.main.coins <= 0)
                   LevelManager.main.coins =0;
   new void Update(){
       base.Update();
       UseAbilties():
```

```
using System.Collections;
using System.Collections.Generic;
using UnityEngine;

public class Malware : Virus
{
    // Start is called before the first frame update
    public override void UseAbilties()
{
        return;
     }

        new void Update(){
        base.Update();
}
```

```
public float stunRange;
public float stunDuration;
public float stunCooldown
private float nextStunTime:
private Dictionary (Defense, Coroutine> stunnedTowers = new Dictionary (Defense, Coroutine>();
   partSys = GetComponentInChildren<ParticleSystem>();
   nextStunTime = Time.time:
public override void UseAbilties(
        foreach (Collider2D collider in colliders)
           Defense tower - collider.GetComponent<Defense>();
               if (!stunnedTowers.ContainsKev(tower))
                   Coroutine stunCoroutine - StartCoroutine(StunTower(tower, stunDuration))
                   stunnedTowers.Add(tower, stunCoroutine):
                    partSys.Play();
        nextStunTime - Time.time + stunCooldown;
```

Virus Files

EnemySpawner.cs

```
using System;
    [SerializeField] private GameObject[] enemyPrefabs;
    [SerializeField] private int baseEnemyCount = 8;
    [SerializeField] private float spawnInterval = 0.75f;
    [SerializeField] private float enemiesPerSecondCap = 15f;
    [SerializeField] private float timeBetweenWaves = 2f;
    [SerializeField] private float difficultyScalingFactor = 0.35f;
    public static UnityEvent enemyDestroy = new UnityEvent();
    [SerializeField] private Button startWaveButton;
    [SerializeField] private Color originalColor; // Original color
    [SerializeField] private Color dullColor; // Dull color
    private Image buttonImage;
    private int currentEnemyWave = 1;
    private float timeSinceLastSpawn;
    private int enemiesAlive;
    private float eps; //enemies per second
    private int enemiesLeftToSpawn;
    private bool isSpawning = false;
    private Text wave;
        buttonImage = startWaveButton.GetComponent<Image>();
        wave = GameObject.Find("WaveText").GetComponent<Text>();
        if (startWaveButton != null)
            startWaveButton.onClick.AddListener(OnStartWaveButtonClicked);
```

Handles the spawning rate for viruses to appear

Game Files

Left to Right: DragDrop.cs, LevelManager.cs

```
using UnitvEngine:
public class DragDrop : MonoBehaviour, IBeginDragHandler, IDragHandler, IEndDragHandler, IPointerDownHandler
   [SerializeField] private GameObject prefabInstance;
   [SerializeField] private GameObject prefabCollider;
   private GameObject currentInstance;
   private Canvas canvas; //grab the component from canvas
   private Camera mainCamera:
   private Defense tower:
   private List<Transform> slotTransforms = new List<Transform>():
   private Text defDesc;
   private Text defName:
   void Start()
       canvas = GetComponentInParent<Canvas>();
       GameObject[] slots = GameObject.FindGameObjectsWithTag("Slots");
       foreach (GameObject slot in slots)
           slotTransforms.Add(slot.transform);
       mainCamera = Camera.main:
       defDesc = GameObject.Find("DefenseDescription").GetComponent<Text>();
       defName = GameObject.Find("DefenseName").GetComponent<Text>();
   public void OnBeginDrag(PointerEventData eventData)
       Debug.Log("OnBeginDrag");
       if (prefabInstance != null)
           currentInstance = Instantiate(prefabInstance);
           tower = currentInstance.GetComponent<Defense>();
           tower.enabled = false;
           Vector3 worldPosition;
           RectTransformUtility.ScreenPointToWorldPointInRectangle(
```

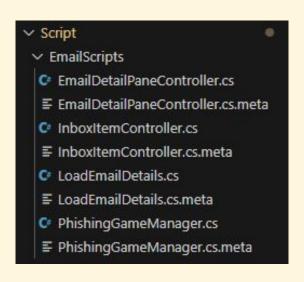
```
using System.Collections;
using System.Collections.Generic:
using System.Xml.Serialization:
using JetBrains.Annotations:
using Unity. Visual Scripting;
using UnityEngine;
using UnityEngine.SceneManagement;
using UnityEngine.UI;
using Image = UnityEngine.UI.Image;
public class LevelManager : MonoBehaviour
   public static LevelManager main;
   public Transform startPoint:
   public Transform[] waypoints;
   public LevelLoader transitionRef;
   [SerializeField] private Button fastForwardButton;
   [SerializeField] private Color originalColor; // Original color
   [SerializeField] private Color dullColor; // Dull color
   private Text healthText;
   private Text coinText:
   private Text GameState:
   private CanvasGroup cgroup;
   private CanvasGroup wavegroup;
   private CanvasGroup Chatcgroup;
   private CanvasGroup imgGroup:
   public int coins:
   public int health:
   private bool gameOver;
   private GameStateEnum currentState;
   private EnemySpawner enemySpawner;
   private bool isFastForwarding = false;
   [Header("Virus images")]
   [SerializeField] private Image images;
   [SerializeField] private Sprite malware;
   [SerializeField] private Sprite Ransomware;
    [SerializeField] private Sprite Dos;
   [SerializeField] private Sprite Worm;
   [SerializeField] private Sprite Trojan;
```

Handles the game functions by letting users drag and drop towers to placeholders and managing the different levels

[Phishing Email Files]

Folders

All of the Phishing Email files are located in the "EmailScripts" folder



PhishingGameManager.cs

Main controller for the game that controls the game flow and interactions between different game objects.

```
using System.Collections.Generic;
using UnityEngine.SceneManagement;
public class PhishingGameController : MonoBehaviour
   public LevelLoader ReplayTransition; // Level Loader for the game
public TextAsset emailsJson: // JSON file containing the emails
   public GameObject emailObjectPrefab; // Prefab for the email Inbox object
   public GameObject emailDetailsPrefab; // Prefab for the email details object
   public GameObject emailListPane: // Parent object for the email list, aka the container that will hold the email inbox objects
   public GameObject emailDetailsPane; // Parent object for the email details, aka the container that will hold the email details objects
   public GameObject gameEndPrefab; // Prefab for the game end object, aka the game over screen,
   public GameObject bossChatPrefab; // Prefab for the boss chat object, this will be used to display the boss's messages when the player guesses incorrectly
   public GameObject HeartPrefab; // Prefab for a life heart object
   public GameObject HeartContainer; // Parent object for the life hearts, aka the container that will hold the life heart objects
   public GameObject AnswerCorrectPrefab: // Prefab for the correct answer object
   [Header("Text Writer Setup")] //This will display a header in the inspector
   public Button continueButton; // Continue Button to proceed to the next message
   public string[] messages; // Array of messages to cycle through
   private int currentMessageIndex = 0; // Tracks the current message index
   private bool isTyping = false; // Tracks if the typewriter is currently animating
   private TextWriter.TextWriterSingle textWriterSingle;
    public Button menuButton; // computer menu button in taskbar
```

LoadEmailDetails.cs

Finds and loads email details to the EmailDetailPane

```
using System.Collections;
using System.Collections.Generic;
using UnityEngine;
using UnityEngine.UI;
 * - This Scripts is not used in the current version of the game. LinkInEmail is not used in the current version of the game.
public class LoadEmailDetails : MonoBehaviour
    public bool isPhishingEmail;
    public string senderName;
    public string senderEmail;
    public string subject;
    public string emailContent;
    public string linkInEmail:
    public GameObject emailDetailsPrefab;
    void Start()
        LoadEmailDetailstoPrefab();
```

InboxItemController.cs

Holds and controls the InboxItem game objects in the Inbox scene

```
using System.Collections;
using System.Collections.Generic;
using UnityEngine;
 * Description: Holds/Controls the InboxItem GameObjects in the Inbox scene.
 * Author: Brian Ramos Cazares
public class InboxItemController : MonoBehaviour
    public Email email; // The email that this InboxItem represents
    public void SetEmail(Email email) // Set the email that this InboxItem represents
        this.email = email; // Set the email
    public Email GetEmail() // Get the email that this InboxItem represents
        return email; // Return the email
```

EmailDetailPaneController.cs

Holds and controls the EmailDetailPane game objects in the EmailDetailPane scene

```
using System.Collections;
using System.Collections.Generic:
using Unity. Visual Scripting;
using UnityEngine;
using UnityEngine.UI;
public class EmailDetailPaneController : MonoBehaviour
    private Email email: // The email that this InboxItem represents
    public Button notPhishingButton; // The Not Phishing button
    public Button phishingButton; // The Phishing button
    public Email currentEmail; // The current email object
    public GameObject inboxEntry; // The related inbox entry GameObject
    public delegate void EmailAction(Email email, GameObject inboxEntry, bool isCorrectGuess);
    public void SetUp(Email email, GameObject associatedInboxEntry) // Set the email that this InboxItem will represent
        currentEmail = email; // Set the email
        inboxEntry = associatedInboxEntry; // Set the associated inbox entry
        notPhishingButton = GameObject.FindWithTag("NotPhishing").GetComponent<Button>(); // Find the Not Phishing button
        phishingButton = GameObject.FindWithTag("IsPhishing").GetComponent<Button>(); // Find the Phishing button
```

[Other Files]

NavController.cs

Loads the next scene

button_UI.cs

Handles the custom behavior set for the UI buttons, including triggering sound effects

```
using System;
   public class Button UI: MonoBehaviour, IPointerEnterHandler, IPointerExitHandler, IPointerClickHandler, IPointerDownHandler, IPointerUpHandler
       public Action ClickFunc = null;
       public Action MouseRightClickFunc = null:
       public Action MouseMiddleClickFunc = null:
       public Action MouseDownOnceFunc = null;
       public Action MouseUpFunc = null;
       public Action MouseOverOnceTooltipFunc = null;
       public Action MouseOutOnceTooltipFunc = null;
       public Action MouseOverOnceFunc = null;
       public Action MouseOutOnceFunc = null;
       public Action MouseOverFunc = null;
       public Action MouseOverPerSecFunc = null; //Triggers every sec if mouseOver
       public Action MouseUpdate = null;
       public Action<PointerEventData> OnPointerClickFunc;
           Custom.
           Change Color,
           Change Image.
           Change SetActive,
       public HoverBehaviour hoverBehaviourType = HoverBehaviour.Custom;
       private Action hoverBehaviourFunc Enter, hoverBehaviourFunc Exit;
       public Color hoverBehaviour_Color_Enter, hoverBehaviour_Color_Exit;
       public Image hoverBehaviour_Image;
       public Sprite hoverBehaviour Sprite Exit, hoverBehaviour Sprite Enter;
       public bool hoverBehaviour Move = false;
       public Vector2 hoverBehaviour Move Amount = Vector2.zero:
       private Vector2 posExit, posEnter;
       public bool triggerMouseOutFuncOnClick - false;
       private bool mouseOver;
       private float mouseOverPerSecFuncTimer;
       private Action internalOnPointerEnterFunc, internalOnPointerExitFunc, internalOnPointerClickFunc;
       public Sound Manager Sound mouseOverSound, mouseClickSound;
```

InputHandlerCopy.cs

Verifies input to pass specified constraints before proceeding to the next scene

```
using System.Collections;
using UnityEngine;
using UnityEngine.UI;
using System.Text.RegularExpressions;
using System:
public class InputHandlerCopy : MonoBehaviour
    [SerializeField] InputField inputField;
   [SerializeField] InputField userName;
    [SerializeField] Text resultText;
    [SerializeField] Button submitButton;
   public LevelLoader transitionLoad;
   Boolean login:
    public Image accessBar;
    public Text accessGranted;
    private void Awake() {
       accessBar.gameObject.SetActive(false);
        accessGranted.gameObject.SetActive(false);
        private void Start()
        submitButton.onClick.AddListener(ValidateInput);
    public void ValidateInput() {
        string input = inputField.text;
        login = false;
        if (input.Length < 12 || input.Length > 24)
           resultText.text = "Password must be between 12 and 24 characters.";
        if (!Regex.IsMatch(input, "[A-Z]"))
           resultText.text = "Password must contain at least one uppercase letter.";
```

CutSceneHandler.cs

Handles the animations and sound effects used for the cutscene sequences

```
using System.Collections;
using System.Collections.Generic;
using UnityEngine;
public class CutsceneHandler : MonoBehaviour
    public Animator[] anim;
    private AudioSource woosh;
    // Start is called before the first frame update
    void Start()
        woosh = GetComponent<AudioSource>();
        StartCoroutine(waitAnimation());
    private IEnumerator waitAnimation(){
        for(int i = 0; i <anim.Length; i++){</pre>
            anim[i].SetTrigger("Slide");
            woosh.Play();
            if(i == anim.Length-1){
                yield return new WaitForSeconds(0.1f);
                anim[i].SetTrigger("Floating");
            yield return new WaitForSeconds(2f);
```

AnimationHandler.cs

Handles the animation for specified components

```
using System.Collections;
     using System.Collections.Generic;
     using UnityEngine;
     public class AnimationController : MonoBehaviour
         [SerializeField] Animator anim;
         // Start is called before the first frame update
         void Start()
             anim = GetComponent<Animator>();
         void Update()
20
```

GameEndController.cs

Handles the game ending

```
using System.Collections;
using System.Collections.Generic;
using UnityEngine.SceneManagement;
   public Button ReplayButton;
   public Button ReturnButton;
   public LevelLoader transitionRef;
   public string returnSceneName;
    void Start()
       AddListenersToButtons();
   void Update()
    void AddListenersToButtons()
       ReplayButton.onClick.AddListener(OnReplayButtonClicked);
       ReturnButton.onClick.AddListener(OnReturnButtonClicked);
       Debug.Log("Listeners added");
    public void OnReplayButtonClicked()
       Debug.Log("Replay button clicked");
       transitionRef.LoadNextLevel(SceneManager.GetActiveScene().name);
```