어빌리티 태스크 구현

```
플랜D 기획서 [공식류] : 공격시 확률로 n초간 기절 부여. 행동불가 n초.
♥Unity 스크립트(자산 참조 3개)[참조 0개
public class AbnormalStateAbilityTask_01_Stun : AbilityTask, IKinematicObjectAccessable
   #region Fields
   [SerializeField] private int characterStunAnimationId = -1;
                                                                 // Player.Motion.Type or Monster.Mob.Motion.Type or Monster.Boss.Motion.Type
   [SerializeField] private int characterIdleAnimationid = -1;
                                                                 // Player.Motion.Type or Monster.Mob.Motion.Type or Monster.Boss.Motion.Type
   private KinematicObject kinematicObject;
   private ProcessAbnormalState_01_Stun cachedProcessStun;
   private float cachedDuration;
   #endregion
   #region Methods
   참조 3개
   public KinematicObject KinematicObject { get => kinematicObject; set => kinematicObject = value; }
   #endregion
   참조 2개
   protected override void OnInitialize()
       cooldownTime = -1.0f;
       if (kinematicObject is IDamageable damageable)
           damageable.DamagedDelegate += OnDamage; // If damaged, call SheduleEvent().
```

공격 받을 시 확률로 n초간 기절 부여. 행동 불가 n초.

```
protected override void OnInitialize()
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    cooldownTime = -1.0f;

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    {
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}
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```
private void OnDamage(IDamageable inDamageable, BigInteger inDamage, Color inDamageNumberColor, UnityEngine.Vector3 inHitDirection, float inKnockback, IDamageCalcSource
   if (cachedProcessStun != null)
       return;
   if (inAttackerDamageCalcSource == null)
       return;
                                                                                                                      stun_when_attack 속성을
   if (inAttackerDamageCalcSource.GetOwner() is IUnitStatAccessable unitStatAccessable)
      if (unitStatAccessable.UnitStat.modules.ContainsKey(Common.Const.eModuleType.stun_when_attack))
                                                                                                                      지니고 있어야 함
           var moduleList = unitStatAccessable.UnitStat.modules[Common.Const.eModuleType.stun_when_attack];
           for (int index = 0; index < moduleList.Count; index++)</pre>
               (double, double, double) values = moduleList[index];
               double probability = values.Iteml;
               double duration = values.Item2;
               float randomValue = UnityEngine.Random.Range(0.0f, 100.0f);
               if (randomValue <= probability)</pre>
                   cachedDuration = (float)duration;
                 Activate();
                                                               ScheduleEvent 호출
                   break;
```

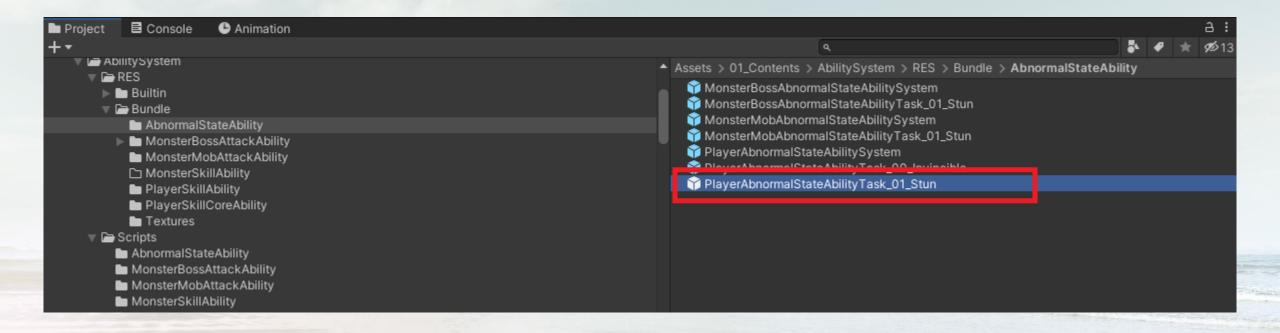
공격 받을 시 확률로 n초간 기절 부여. 행동 불가 n초

```
참조 2개
protected override Simulation.Event ScheduleEvent()
{
    cachedProcessStun = Simulation.Schedule<ProcessAbnormalState_01_Stun>();
    cachedProcessStun.KinematicObject = kinematicObject;
    cachedProcessStun.runningTime = cachedDuration;
    cachedProcessStun.characterStunAnimationId = characterStunAnimationId;
    cachedProcessStun.characterIdleAnimationId = characterIdleAnimationid;
    return cachedProcessStun;
}
```

공격 받을 시 확률로 n초간 기절 부여. 행동 불가 n초.

```
플랜D 기획서 [공식류] : 공격시 확률로 n초간 기절 부여. 행동불가 n초.
   IKinematicObjectAccessable
 #region Fields
 public float runningTime;
ivate async UniTaskVoid ProcessAsync()
                                                                                                                         Stun 플래그 설정. Behavior Tree 조건 노
 if (kinematicObject is IAbnormalStateDataSourceAccessable abnormalStateDataSourceAccessable)
                                                                                                                          드(attack, move ...) 에서 사용
                                                                                                                          캐릭터 Stun 애니메이션 호출
 if (kinematicObject is IHighLevelSpineAnimationPlayable HLAnimationPlayable && characterStunAnimationId != -1)
    HLAnimationPlayable.PlayAnimation(characterStunAnimationId);
 if (kinematicObject is INavMeshAgentAccessable navMeshAgentAccessable)
                                                                                                                ······· 혹시 모르니 NavMeshAgent 도 끔
    navMeshAgentAccessable.NavMeshAgent.enabled = false;
 GameObject vfxDebuffCloneObj = ObjectPoolManager.Instance.Spawn("01_Contents/Spine/RES/Bundle/03_effect/06_condition/Vfx_Debuff")
 if (vfxDebuffCloneObj != null && vfxDebuffCloneObj.TryGetComponent(out vfxAbnormalStateAnimationController))
    if (cancelTokenSource != null)
       cancelTokenSource.Cancel();
       cancelTokenSource = null;
                                                                                                               ...... 머리 위에 빙글빙글 이펙트 출력
    cancelTokenSource = new CancellationTokenSource();
    if (vfxAbnormalStateAnimationController.IsInitialized == false)
        await UniTask.NextFrame(PlayerLoopTiming.Update, cancelTokenSource.Token);
    vfxAbnormalStateAnimationController.PlayAnimation(VfxAbnormalState.Id.Stun);
    elapsedTime = 0.0f;
    while (elapsedTime < runningTime)
                                                                                                                         빙글빙글 이펙트가 머리 위에 계속 있도록
        if (vfxAbnormalStateAnimationController != null)
           vfxAbnormalStateAnimationController.transform.position = kinematicObject.transform.position;
        await UniTask.NextFrame(PlayerLoopTiming.Update.cancelTokenSource.Token)
```

Stun 어빌리티 태스크 프리팹 생성



PlayerAbnormalStateAbilitySystem 에 등록

