```
IPlayerNotifier
 + virtual void Attach
   (IEnemyObserver *EnemyInterface)=0
 + virtual void Detach
   (IEnemyObserver *EnemyInterface)=0
 + virtual void Notify()=0
              AMainPlayer 4 6 1
+ TArray< AAbstractItem
   * > PickUpItems
+ TSubclassOf< UCommandWidget
  > CommandWidgetClass
+ TSubclassOf< UPlayerHUD
  > PlayerHUDWidgetClass
+ UPlayerHUD * PlayerHUDWidget
+ TSubclassOf< UServerWidget
  > ServerWidgetClass
+ UServerWidget * ServerWidget

    + FSetStats SetStats

+ FDifficultyModeSet
  SetDifficultyModeDelegate
+ FOnCharacterJoinSession
  On Character Join Session
+ FAnimNotify_Jump AnimNotify_Jump
+ TArray< IEnemyObserver
   ' > EnemyObservers
# UCameraComponent *
  CameraComponent
# float InteractDistance
# bool bContinuable
# FVector PreviousActorLocation
# FRotator PreviousActorRotation
# FVector WeaponChooseLocation
# FRotator WeaponChooseRotation
# bool bShowCrosshair
# TArray< AWeaponClass
   ' > PickedWeapons
# float TurnRate
# float LookUpRate
# float MouseSensivity
# TSubclassOf< AWeaponClass
  > AwmClass
# TSubclassOf< AWeaponClass
  > M16A4Class
# TSubclassOf< AWeaponClass
  > Ak47Class
# TSubclassOf< AWeaponClass
  > M870Class
# TSubclassOf< AWeaponClass
  > Hk416Class
# TArray< FString > Player
  WeaponSocketsName
# AWeaponClass * EquippedWeapon
# IWeaponInterface *
  EquippedDifficultyWeapon
# FString SPlayerName
```

FString SCity
bool IsInGodMode

float Health
int HealthState
float Armor
int PlayerIndex

Widget

FBehaviorSet BehaviorSet

TSubclassOf< UUserWidget> CrosshairWidgetClass# TSubclassOf< UWeaponMenu

UWeaponMenuWidget * WeaponMenuWidget

virtual void SetupPlayer

 + virtual void Tick(float DeltaSeconds) override
 + void OnBeginOverlap (UPrimitiveComponent

&SweepResult)
+ void MoveForward(float

+ void MoveRight(float

+ virtual void Jump() override

+ void SetHealth()+ void SetArmor()

Rate)

+ UCameraComponent * GetCameraComponent()

+ void SetHealthArmor()
+ void ActivateBuffs (const TScriptInterface < IHandler > &Handler)
+ void Server_Turn(float

+ void Multicast_Turn (float Rate)

+ void Server_LookUp (float Rate)

(float Rate)
+ void Interact()

+ void Multicast_LookUp

+ void ContinueGameplay()+ void ProcessHitRack()+ void ProcessHitWeapon

 + void RotatePositive (AActor *Actor)
 + void RotateNegative (AActor *Actor)

 + void ProcessHitCube (AActor *HitActor)
 + TArray< AWeaponClass
 * > GetAllPickedWeapons()

+ void Server_Shoot(FVector StartTrace, FVector EndTrace)

 + void Multicast_Shoot (FVector StartTrace, FVector EndTrace)
 + void GetDamage(int Damage)

+ void AddHealth(float HealthPoints)
+ void AddArmor(float ArmorPoints)
and 34 more...
AMainPlayer()

virtual void BeginPlay

void SetDifficultyMode
 (const FString &Difficulty)

void CreateServerWidget()
void CreateHUDWidget()
void CreateMainMenuWidget()

() override

+ void Shoot()

(AWeaponClass *WeaponActor)

+ void OnCommandWidgetClosed()

Scale)

Scale)

Widget > WeaponMenuWidgetClass
UUserWidget * CrosshairWidget

TSubclassOf< UMainMenuWidget > MainMenuWidgetClass
UMainMenuWidget * MainMenu

*OverlappedComponent, AActor *OtherActor, UPrimitive

Component *OtherComp, int OtherBody Index, bool FromSweep, const FHitResult

InputComponent(class UInputComponent *PlayerInputComponent) override