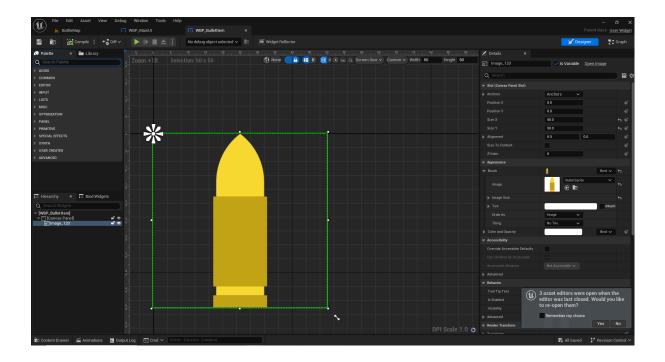
C++: 총알 UI

```
// 태어날 때 플레이어가 가진 총알의 최대 갯수만큼 표현하고싶다.
// 총을 쏘면 하나씩 제거하고싶다.
// 재장전하면 다시 다 채우고싶다.
```

MainUI에 띄울 WBP_BulletItem 만들어주기



MainUI.h

```
UPROPERTY(EditDefaultsOnly, meta = (BindWidget))
class UUniformGridPanel* grid_bullet;  Unchanged in assets

UPROPERTY(EditDefaultsOnly)
TSubclassOf<class UUserWidget> bulletUIFactory;  Unchanged in assets

void ReloadBulletUI(int32 maxBulletCount);
void AddBulletUI();
void RemoveBulletUI(int32 index);
```

나중에 컴파일하고 bulletUlFactory 채워주기

MainUI.cpp

player.h

```
UPROPERTY(EditDefaultsOnly)
int32 maxBulletCount = 21;  Unchanged in assets
int32 bulletCount = maxBulletCount;

UPROPERTY(EditAnywhere, BlueprintReadOnly, Category = Input, meta = (AllowPrivateAccess = "true"))
UInputAction* ReloadAction;  Unchanged in assets

void Reload(const FInputActionValue& Value);
};
```

player.cpp

.

```
Super::BeginPlay();

//Add Input Mapping Context

if (APlayerController* PlayerController = Cast<APlayerController>(Controller))
{

    if (UEnhancedInputLocalPlayerSubsystem* Subsystem = ULocalPlayer::GetSubsystem<UEnhanced
    {

        Subsystem->AddMappingContext(DefaultMappingContext, 0);

    }

mainUI = CreateWidget<UMainUI>(GetWorld(), mainUIFactory);
mainUI->AddToViewport();
mainUI->SetActiveCrosshair(false);

//총알 비를 최대 총알 갯수만큼 생성해주고싶다
for(int32 i=0; i<maxBulletCount;i++)
{
        mainUI->AddBulletUI();
    }

mainUI->AddBulletUI();
```

```
Evoid ANetTPSCDCharacter::Fire(const FInputActionValue& Value)

{
    //내가 총을 가지고 있지 않다면 바로 종료
    if(!bHasPistol || !grabPistol)
        return;

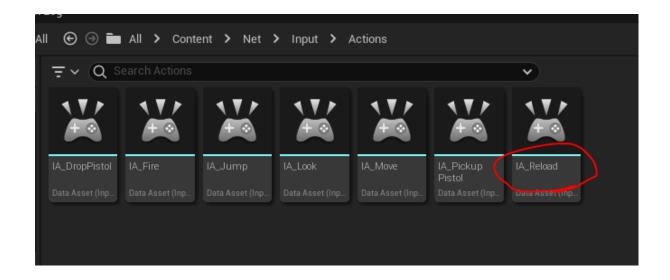
    //bulletCount가 0 이하라면 바로 함수 종료
    if(bulletCount <= 0)
    {
        return;
    }
    //1개 차감하고
    bulletCount--;
    //총알 UI를 갱신하고 싶다
    if(mainUI)
    {
        mainUI->RemoveBulletUI(bulletCount);
    }
```

//총알 재장전

```
ANetTPSCDCharacter::Reload(const FInputActionValue& Value)
bulletCount = maxBulletCount;
if(mainUI)
{
    mainUI->ReloadBulletUI(maxBulletCount);
}
```

우클릭→ input Action

디폴트 설정에서 키 값 맵핑해주기



```
ANetTPSCDCharacter::SetupPlayerInputComponent(UInputComponent* PlayerInputComponent)

// Set up action bindings
if (UEnhancedInputComponent* EnhancedInputComponent = Cast<UEnhancedInputComponent>(PlayerInputComponent)) {

// Jumping
EnhancedInputComponent->BindAction(JumpAction, ETriggerEvent::Started, this, &ACharacter::Jump);
EnhancedInputComponent->BindAction(JumpAction, ETriggerEvent::Completed, this, &ACharacter::StopJumping);

// Moving
EnhancedInputComponent->BindAction(MoveAction, ETriggerEvent::Triggered, this, &ANetTPSCDCharacter::Move);

// Looking
EnhancedInputComponent->BindAction(LookAction, ETriggerEvent::Triggered, this, &ANetTPSCDCharacter::Look);
EnhancedInputComponent->BindAction(PickupPistolAction, ETriggerEvent::Started, this, &ANetTPSCDCharacter::DropPistenhancedInputComponent->BindAction(FireAction, ETriggerEvent::Started, this, &ANetTPSCDCharacter::DropPistenhancedInputComponent->BindAction(FireAction, ETriggerEvent::Started, this, &ANetTPSCDCharacter::DropPistenhancedInputComponent->BindAction(FireAction, ETriggerEvent::Started, this, &ANetTPSCDCharacter::Pire);

(EnhancedInputComponent->BindAction(ReloadAction, ETriggerEvent::Started, this, &ANetTPSCDCharacter::Reload);
}
```

