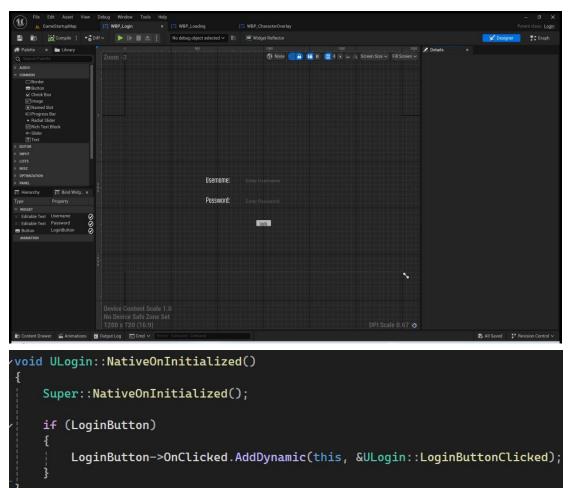
演示视频:

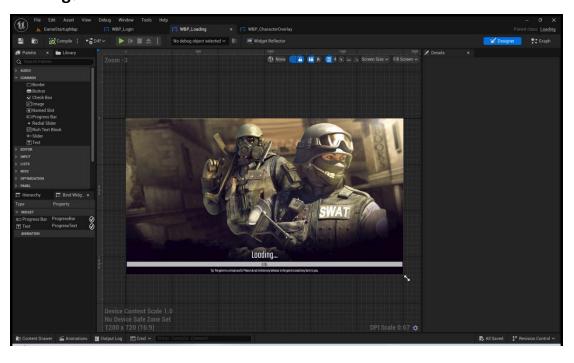
https://www.bilibili.com/video/BV1HCcte3Efs/?spm_id_from =333.1387.homepage.video_card.click&vd_source=f9ab6cfb3a 9dcd7822b3ada50a02c2ae

Login:

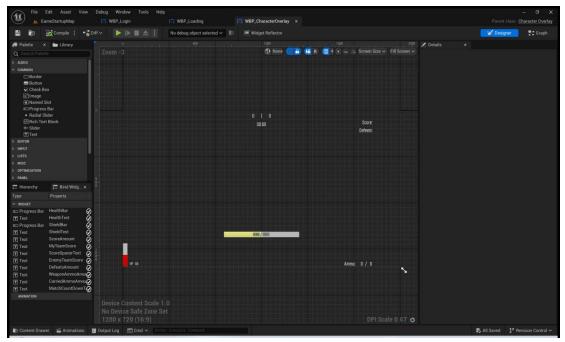


```
void ULogin::MenuSetup()
    SetVisibility(ESlateVisibility::Visible);
    bIsFocusable = true;
    UWorld* World = GetWorld();
     if (World)
         PlayerController = PlayerController == nullptr ? World->GetFirstPlayerController() : PlayerController;
          if (PlayerController)
              FInputModeGameAndUI InputModeData;
              InputModeData.SetWidgetToFocus(TakeWidget());
PlayerController->SetInputMode(InputModeData);
              PlayerController->SetShowMouseCursor(true);
void ULogin::MenuTearDown()
    UWorld* World = GetWorld();
if (World)
         if (PlayerController)
              FInputModeGameOnly InputModeData;
PlayerController->SetInputMode(InputModeData);
PlayerController->SetShowMouseCursor(false);
    if (LoginButton && LoginButton->OnClicked.IsBound())
         LoginButton->OnClicked.RemoveDynamic(this, &ULogin::LoginButtonClicked);
```

Loading:



In Game:



在 PlayerController.cpp 中写诸多函数修改 HUD 中血量、子弹、得分等等。在需要修改时通过 PlayerController 调用即可。

关于准心,HUDPackage 中的 CrosshairSpread、bHit、HitScale 分别表示准心扩散多大、是不是击中、击中准心的 Scale。

```
FVector2D WaldSpeedRange(0.f, Character->GetCharacterMovement()->MaxWalkSpeed);
FVector2D CrosshairSpreadRange(0.f, 1.f);
FVector Velocity = Character->GetVelocity();
Velocity.Z = 0.f;
CrosshairVelocityFactor = FMath::GetMappedRangeValueClamped(WaldSpeedRange, CrosshairSpreadRange, Velocity.Size());
if (Character->GetCharacterMovement()->IsFalling())
     CrosshairInAirFactor = FMath::FInterpTo(CrosshairInAirFactor, 1.f, DeltaTime, 10.f);
else
     CrosshairInAirFactor = FMath::FInterpTo(CrosshairInAirFactor, 0.f, DeltaTime, 10.f);
if (bCanReduceCrosshairShootFactor)
     CrosshairShootFactor = FMath::FInterpTo(CrosshairShootFactor, 0.f, DeltaTime, 5.f);
HUDPackage.CrosshairSpread = CrosshairVelocityFactor + CrosshairInAirFactor + CrosshairShootFactor;
   (HitCrosshairScale <= 0.95f)
     HUDPackage.bHit = false;
else
     HitCrosshairScale = FMath::FInterpTo(HitCrosshairScale, 0.8f, DeltaTime, 10.f);
    HUDPackage.bHit = true;
HUDPackage.HitScale = HitCrosshairScale;
HUD->SetHUDPackage(HUDPackage);
```

会在 ProjectileBullet.cpp 的 OnHit 函数中根据 OtherActor 的类型,决定要不要给出准心击中反馈,如果需要,直接将 CombatComponent 中的 HitCrosshairScale 设置为 2.5 即可。