

--- Handle Jump events

```
function Jump:CheckJump(hum, humanoid, moveVector, jumpKeys, character)
```

-- Initiliaze values

```
local jumpType = ""  
local jumpVect = Vector3.new(0,0,0)  
local jumpCount = 0  
local startPos = Vector3.new(0,0,0)
```

-- Normal Jump

```
if jumpKeys.space and not character.jumpStatuses.doubleJump then  
    if not character.jumpStarted.doubleJumped and not character.jumpStarted.dashed then  
        jumpType = "normalJumped"  
        character:DoNormalJump(hum, character, moveVector.Unit)  
    end
```

-- Double Jump

```
elseif jumpKeys.space and character.jumpStatuses.doubleJump then  
    if character.normalJumpCount < character.maxNormalJumpCount then  
        jumpType = "doubleJumped"  
        jumpVect, jumpCount = doubleJumpEvent:Invoke(hum, character, moveVector.Unit)  
        character.currentNormalJumpCount = jumpCount  
    end
```

-- Dash Jump

```
elseif jumpKeys.shift and not character.jumpStarted.dashed and character.jumpStatuses.dashJump  
then  
    jumpType = "dashed"  
    jumpVect, startPos = dashEvent:Invoke(hum, humanoid, moveVector.Unit, character)  
    character.dashStartPos = startPos
```

-- Super Jump

```
elseif jumpKeys.ctr and not character.jumpStarted.superJumped and  
character.jumpStatuses.superJump then  
    jumpType = "superJumped"  
    jumpVect = superJumpEvent:Invoke(hum, humanoid, moveVector.Unit, character)  
end
```

-- Set jumping values

```
if jumpType ~= "" then  
    character.jumpStarted[jumpType] = true  
  
    hum:ChangeState(Enum.HumanoidStateType.Jumping)  
  
    if jumpVect ~= Vector3.new(0,0,0) then  
        character.savedJumpVelocity = jumpVect  
    end  
    -- Save velocity to base character class  
    character.savedNormalVelocity = Vector3.new(character.savedNormalVelocity.X, 0,  
    character.savedNormalVelocity.Z) + character.savedJumpVelocity
```

```
end
```

```
end
```