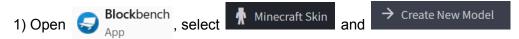
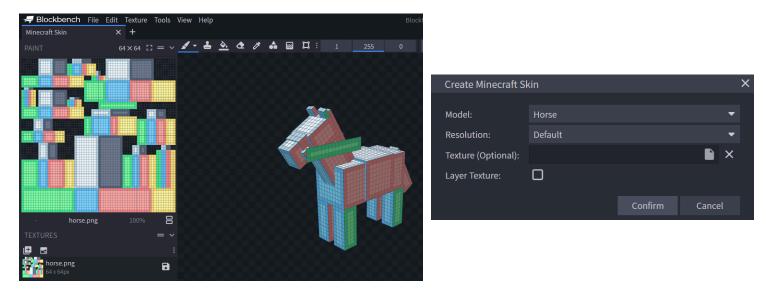
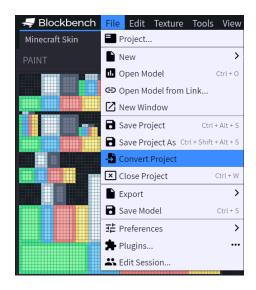
Let's Code a Modded Entity!

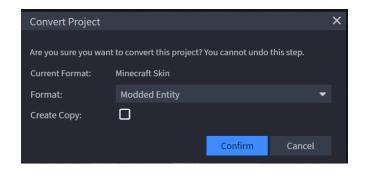


2) Chose any Model (for this tutorial we will be creating our own Horse Variant)

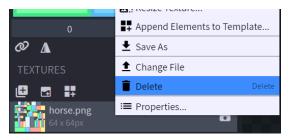


3) Select File >> Convert Project >> Format: Modded Entity >> Confirm





4) **Delete** the Texture (**Right-Click** on it and select **Delete**)



5) Click on Add Cube on the Right Side of the Screen



6) Select movement by using these Icons

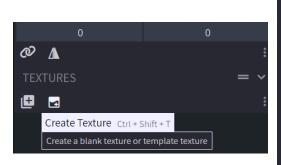


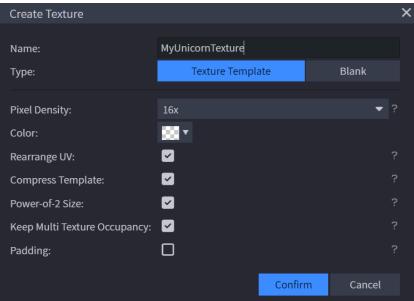
(Move, Resize, and Rotate)



I made a unicorn horn!

7) After creating the Model, we create its **Texture**



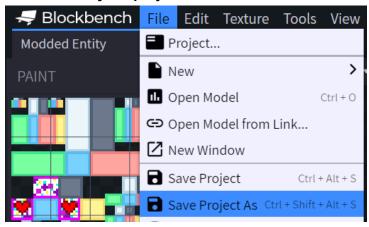




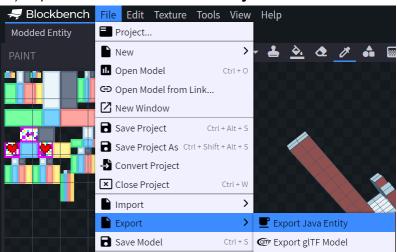


I decorated its saddle!

9) Save the Project (File >> Save Project As >> Name Your Project)
Please Save your project to the Downloads Folder!

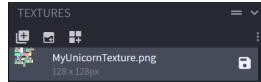


10) Export the Model as a Java Entity



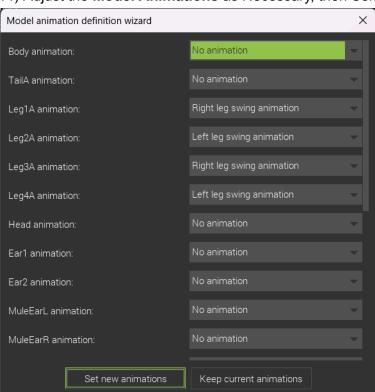
11) Save the **Texture** by clicking the





Move Back to MCreator!

- 12) Import the Entity Texture by selecting Resources >> Texture Files >> Import textures
 >> [Select your Entity Texture]
- 13) Import the Java 3D Model by selecting Resources >> 3D models and texture mappings
 >> Import Java 3D model...
 >> [Select your 3D Model File]
- 14) Adjust the Model Animations as Necessary, then Select Set new Animations



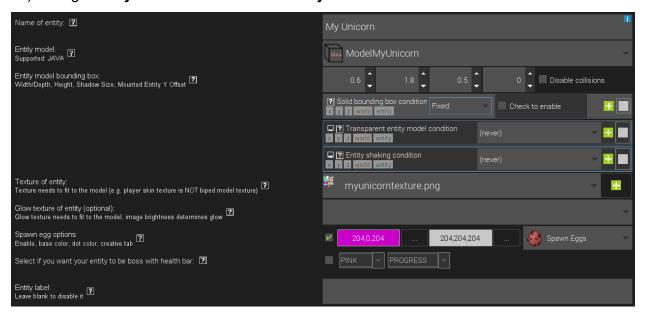
Now, we can create the Mod!

15) Click the "Green Plus Sign" and select

16) Name your tool (using "CamelCasing") and Create new Living entity



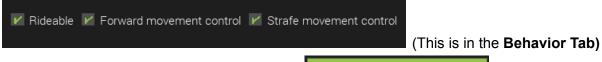
17) Change Entity model and Texture of entity to the correct files



18) Customize your mobs by using the tabs below:



For our Unicorn, let's make it Rideable and Controllable!



19) Finally save your Living Entity by clicking

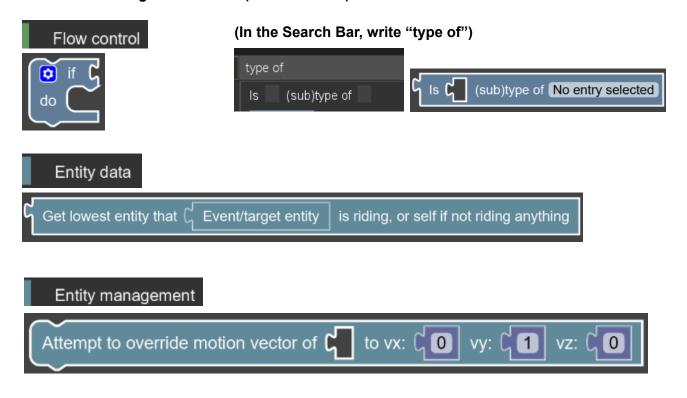
Save mod element

Now create a Jump Button!

20) Create a Procedure (like "UnicornJumpAbility") and give it the following Code

Objective: We want to give the Entity Upward (positive y-axis) Movement ONLY if we are riding the correct mob.

Step 1: Use an IF statement to check IF we are riding the CORRECT MOB Find the following Code Blocks (Puzzle Pieces)



Step 2: Put these pieces together!



This code means:

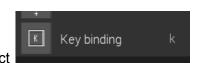
IF the entity we are riding IS a Unicorn Entity

THEN give the **Unicorn Entity** upward movement in the **Positive Y-axix** with a jump factor of **1** (Try changing the **vy**: to increase the jumping power!)

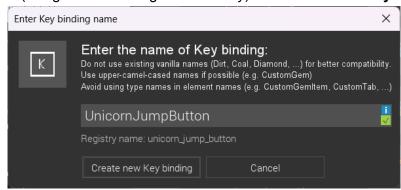
21) Once finished with the **Procedure**, select

Save mod element

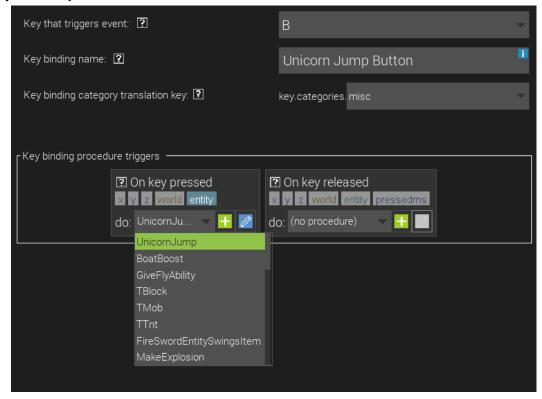




23) Name your tool (using "CamelCasing" if necessary) and Create new KeyBinding



24) Choose a Keyboard Key for the Jump Button and then give the On key pressed trigger your Jump Procedure



(I chose B as my Button)

15) Finally save your **Key Binding** by clicking

Save mod element

Time to play test!

16) Click on the in the top right corner of your screen and create a new world in CREATIVE MODE to test out your weapon!

Your Turn!

17) Try picking one of the other Events in the **Triggers** Tab of your **Living Entity** and create a new **Procedure** for it.

