Assignment Z: T Process Work: -TIME ADD. Idea: My idea for the 2D Interactive -Drawing is Similar to a point and click game. The idea is to have a bunch of colored dots layed out on the screen and the user must click these dots. Once all the dots are clicked the screen will display the full image. 1 Drawing Example 4 The image will use left mase dicks MID to circle on the dots on the Screen and will go away once you click them. I will be using a 400 x 400 canvas for this 20 image as I will not need anymore space their that. I really love looking at stars and space, I also really like point and click.

games as I have been playing Them Since I was a Kid. And this project will be doing both of those So I am really excited to work on it. Beginning Screen: -Make background black - Draw Circles with black outline (Stars) in these coordinates · (210,330,10)· (270,90,10)· (30,170,10) . (390, 150, 10) Final Screen: -Make background Royal Blue -Drawla Gircle for the moon . (320,80,60) - Draw circles for the moon craters ·(300,50,20)·(350,60,20)·(310,110,2d) ·(290,90,10)·(350,100,10)

- Draw GircleSIEllipses to represent the ground. Ellipse. (200, 375, 500, 100) - Redraw Graes (Stars) into new TID W Code Plan: for the beginning Screen I plan to have a function that will take for the stars that inside a loop T. M that has a counter that will add up 1 overline if you chick a Star. And if the gounter hits the commont of Sters on the Scheen remove beginning Screen and display the 1 sinal one I ran by this by Rephael and be gave me some insight for something I can try to do code wise. My idea 1 1 most likely Will not work. M 

Here is the information I was given by Kaphaël. Droydown of -> many (array) Clickable (77) - Thow exactly Equality -idisable/color 0 -> How Know all off? other ways 0 -> Counter 0 After working on some of the code he realized the Stors in 0 the beginning are a bit big. To change this on the next scree 0 0 I am going to make the radius 0 of the stars to be smaller and 0 also make the Star, he randomized 0 I needed to add the random function 0 0 Sovewhere in my code 0 0 0 To be able to deject the area the 3000 marger is in I needed for both x and y coordinates do = xmoustocertion - x coordinates which would both represent how, far the mouse is horizontally and vertically from the

That is used to see is the mouse is within the boundary of the Stal. But then we need to find out the total distance from move position We can use pythagear 100m d-J(x2-x1)2+(y2-y1)2 Where X, is XMouse Location

y, is yMouse Location

xz is X Coordinates[i] (Star location)

yz is y Coordinates[i] (Star location) So then we have d=Jis Mouse Position X On Star + is Mouse Position Then to Savareroux the Equation we just check in the if Skitzment of The mouse is in the star radius by Squaring the original radius distance From Center Of Stor L= Storkading Final Note: This project was really for but also had a lot of challenger with it, I think I might've went too

deep into my project idea as
during the cooling process I got
stuck and confised quite a bit
of times, but overall this was
quite the fun learning experience

Screen #1: Beginning to make 140 160 180 200 220 240 260 280 300 320 340 100 120 20 40 0 60 80 100 Each Star Will be the Same 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 ose It Sters. I Pixel Paper - 400 x 400 create a function for Graph Paper for Screen Coordinates count a Cour display

