Student's NetID	Student's Name_ ers, 3 digits: e.g. JET861 Please write clearly; makers	Grader's Name	
	51-1 Grading She	eet: Project C	Fall 2022 J. Tumblin 11/09/2022
10% In-Class I	nteractive Demo. Demonstrates multip	le items listed on this page.	
	PDF report: All file-naming correct + es, + correct sketch of your program's sc	1 0	
	omplete On-screen User Instructions: ograms features and options, without an		
to all distant horizons, and	ane Grid: Project shows horizontal 'flood thus let us easily assess changes to can ystem where +z is 'up', the ground plane	nera position and aiming direction.	
	Separate, Jointed, Continually Flexing ferent ground-plane locations, with cont		
	vly-spinning Sphere at world-space original transfer or the spin of the spin		-
filled with an undistorted	wport Display fills top 66% of browser image from a perspective camera with 3 cm of the body a region to	0-degree verti ah field-of-yiew; To shap	distortions, no blank areas
any direction without cha	djustable 3D View Control: User intenging position: be able to move forward 'glass cyliner in end; moutel troy	/backward in the gaze direction, and 'str	rafe' sideways left/right from
	obviously different-looking Phong Ma pecified RGB values for ambient, diffuse		
Thong materials have sp		ersteivertin starter gode file "materia	ls_Ayerdi04.js"
switch light on/off, and se	re user-adjustable , non-directional 3D et separate R,G,B values for each of the a change when camera moves. (note that	ambient, diffuse, and specular light amo	unts. Surface illumination
	e switching between all available light pting the program or its on-screen displa		two to earn this credit)
each of these, they can als crudely-shaped highlights	nting/shading methods: Users can interase so select between Phong lighting and Blis: Phong shading yields rounded highlightly different specular highlights. (HINT	inn-Phong lighting; more methods welcomes that can be smaller than triangles. Bli	ome. Gouraud shading gives inn-Phong lighting and
EXTRA CREDIT:			
2% extra credit:	user-switched materials for ≥ one 3D pa 3 or more user-selected distance depend include choice between NONE, 1/dist, an A second, 'headlight' light-source, co-loc correct, the specular highlights stay in the geometric shape distortions in shaders, r nusoidal waviness etc. will qualify, but s Simple Texture Maps on surface of one	encies (ATT) for your light sources: d 1/dist ² , with dist calc'd at each vertex; ocated at camera eyepoint, that users can e middle of any shiny sphere as camera not reproducible by matrix transforms in simple scaling or displacement of selected	; must work correctly) a switch on/off moves) a Vertex Shader (e.g. twist ed vertices will not suffice)
TOTA	L POINTS/100 (30% of fin	al grade)	