Student's <i>NetID</i>	Student's Name_ e.g. JET861 Please write clearly; mal	Grader's	s Name	
CompSci 351-1	•		ect C Fall 20 J. Tumblin 11/1/2021	21
10% In-Class Interactive	e Demo shown on ZOOM. D	emonstrates multiple items l	listed on this page.	
5% Filenames, PDF repguide, >= 4 results pictures, + corre			including name, netID, title, goals, ung all its transforms (2pts).	user-
			y allows new users to quickly and eade, report, or authors' explanations.	asily
5% Ground-Plane Grid: to all distant horizons, and thus let In the world coordinate system who	us easily assess changes to can	nera position and aiming dire		llessly
10% ≥3 Solid, Separate, 3D shapes at separate, different gro	Jointed, Continually Flexing und-plane locations, with cont		_	
5% Large, Slowly-spinni viewable and easily lit from any de			ading methods. Sphere is easily effect of Gouraud/Phong shading.	
filled with an undistorted image fro	m a perspective camera with 3	30-degree vertical field-of-vi	owser window resizing always keep iew; no shape distortions, no blank a edit boxes, etc.; no browser 'slider b	areas
any direction without changing pos	ition: be able to move forward	/backward in the gaze direct	wpoint control: be able to aim camer tion, and 'strafe' sideways left/right WASD to move fwd/rev, strafe left/right	from
10% 3 or more obviously specified RGB values for ambient, HINT: use materials parameters gives	diffuse, specular and emissive	terms.	gid 3D parts. 'Phong' materials have	e
switch light on/off, and set separate	R,G,B values for each of the	ambient, diffuse, and specula	teractively set world-space position, lar light amounts. Surface illuminativill appear to shift as the camera mo	ion
10% Interactive switchin without stopping or disrupting the p			ires at least two to earn this credit)	
each of these, they can also select be crudely-shaped highlights: Phong s	etween Phong lighting and Bl hading yields rounded highligh	inn-Phong lighting; more me hts that can be smaller than to	raud Shading and Phong Shading; for ethods welcome. Gouraud shading triangles. Blinn-Phong lighting and rs for Gouraud and Phong shading)	
EXTRA CREDIT:				
2% extra credit: 3 or more (must include che 4% extra credit: A second (when correct, the 2% extra credit: geometric vs. z; sinusoidal v	user-selected distance depend pice between NONE, 1/dist, an 'headlight' light-source, co-le e specular highlights stay in the shape distortions in shaders, a waviness etc. will qualify, but	encies (ATT) for your light s d 1/dist ² , with dist calc'd at ocated at camera eyepoint, th e middle of any shiny sphere not reproducible by matrix tr simple scaling or displaceme	each vertex; must work correctly) hat users can switch on/off	ist
TOTAL POINT	S/100 (30% of fin	al grade)		