		COM3503: 3D Computer Graphics Assignment
Lecturer: Dr Steve Maddock		
Student name:		acb19rx_Ruiqing_Xu
		The aspects below were considered when arriving at the final mark in each category.
Out of	**Mark**	**Working program (80)**
20	17	Modelling: robot - it is the hierarchical nature that is important including creative head design; room, window, exhibits (phone, egg, swinging spotlight - part of this must swing) and quality.
20	12	Texture: Texture mapping on objects; specular and diffuse map on egg. Quality and attention to detail, e.g. consider stretched, aliased textures; changeable window scene texture.
15	13	Lighting, camera, interface: Spotlight swings in an arc and shines in correct direction; Spotlight bulb appearance changes when switched on/off; Global light sources to illuminate entire scene, interface controls
25	19	Robot animation: five positions with a different pose in each position, smooth motion from position/pose to position/pose and plausible movement, e.g. consider velocity control, facing direction of motion, no collision
		Program Code (20)
20	12	General style, e.g. use of variables rather than literals to promote flexibility, layout of code, methods not overlong, organised classes; Structure for models, e.g. use of separate classes/methods to draw parts of scene. Use of scene graph for drawing a parent child hierarchy, use of variables for altering scene graph nodes; Animation control - should be a flexible solution, e.g. separate class with pose data and interpolation process.
100	**73**	**TOTAL Mark**
late	0	number of days late
100	**73**	**FINAL Mark (after any lateness penalties)**
COMMENTS		

All objects modelled well.; You could have been more creative with the animated texture on the background plane.; Good spotlight work.; The robot could have rotated to face the direction of travel, then travel forwards, then rotate to a new pose.; More classes should have been used to structure the code.
What is good about the work: Good attention to detail in the modelling.
What needs to be done to make it better: When the spotlight was disabled/dimmed, the bulb model did not change in appearance.