

USABILITY

RESULTS OBTAINED FROM 20 PARTICIPANTS

USABILITY RESULTS

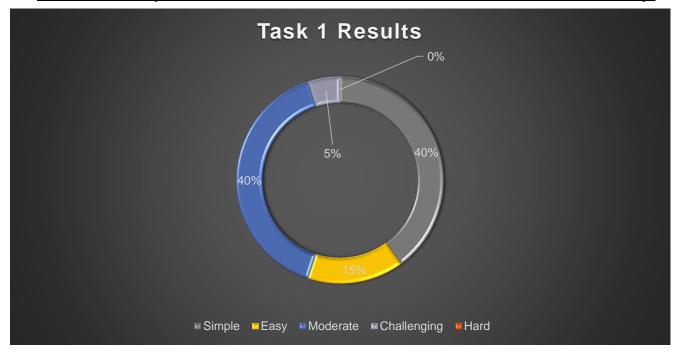
RESULTS OBTAINED FROM 20 PARTICIPANTS

CONTENTS

Task One (Upload new .obj file into web interface):	2
Task two(Change texture of leaves to leaves2.png):	2
Task three(Change the leaves to spheres shaped):	
task four(Upload new rules file into web interface):	4
	4
Task five(Upload new textures into interface):	4
Task six(Transform a section of the object to display in a dodecahedror shape):	
Task seven(Rotate around the displayed object):	5
Task eight(Zoom into the displayed object):	6
Task nine(Return object to a default layout):	6
Task ten(Open the User Manual):	7
Task eleven(Apply bump mapping to the object):	7
Task twelve(Open a list of different textures):	8
Task thirteen(Open a list of Textures):	8
Task fourteen(Use MagicVoxel to create an object):	9
Task fifteen(Upload new object):	9
Task sixteen(Download Minified Javascript):1	0
Task seventeen(Add rule to rule file):1	0
Task eighteen(Change everything into cubes):1	1

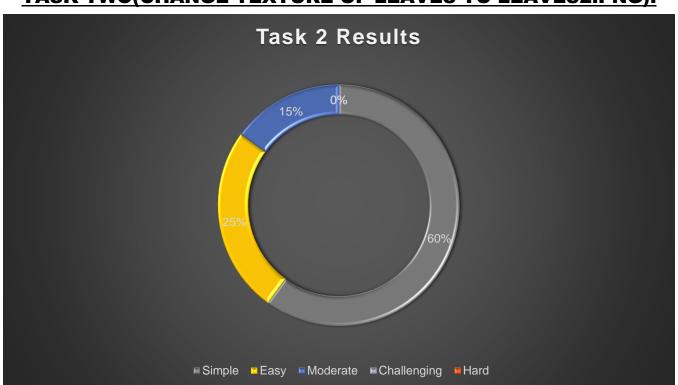
GRAPHS
AND A
FINAL
REPORT
ON THE
FINDINGS
OF THE
USABILITY
STUDY

TASK ONE (UPLOAD NEW .OBJ FILE INTO WEB INTERFACE):

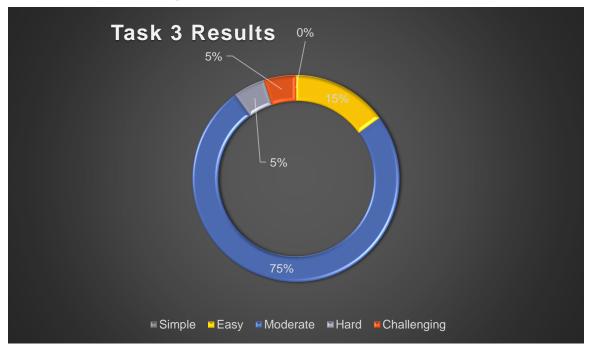


Users found the uploading of .obj files relatively simple, only one user found the task challenging.

TASK TWO(CHANGE TEXTURE OF LEAVES TO LEAVES2.PNG):



TASK THREE(CHANGE THE LEAVES TO SPHERES SHAPED):

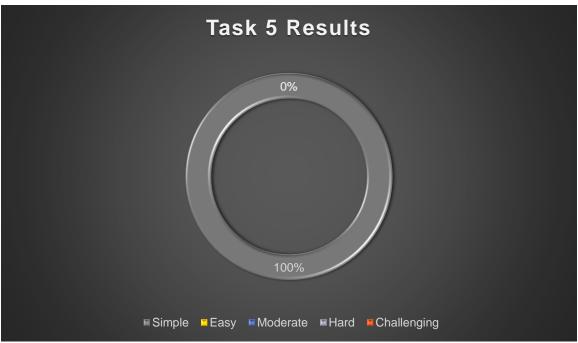


The changing of shapes was found to be a simple task by most, although not many immediately knew how to do so.

TASK FOUR(UPLOAD NEW RULES FILE INTO WEB INTERFACE):

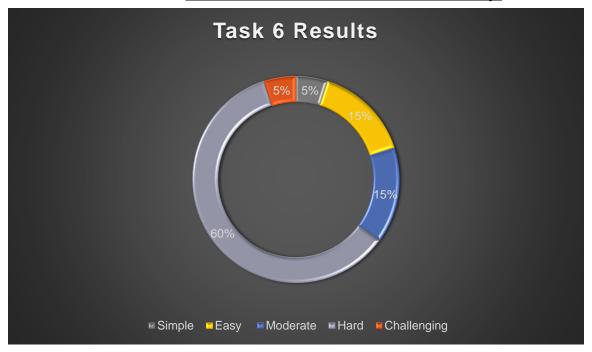


TASK FIVE(UPLOAD NEW TEXTURES INTO INTERFACE):



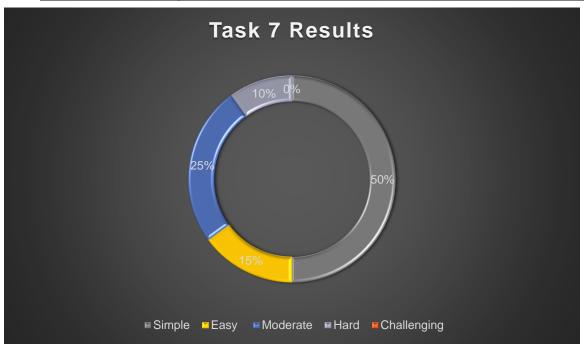
The uploading of various files was found incredibly easy by all users. They quickly made use of the upload buttons.

TASK SIX(TRANSFORM A SECTION OF THE OBJECT TO DISPLAY IN A DODECAHEDRON SHAPE):

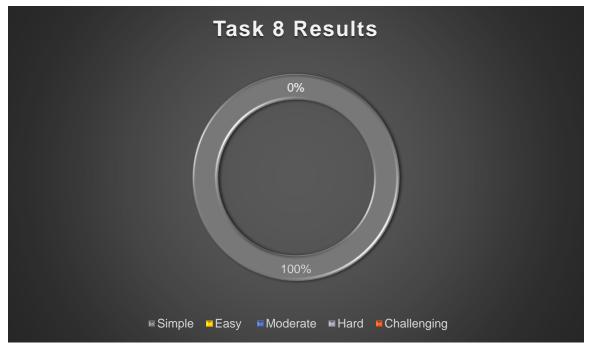


The users struggled to find the right way to change a shape on average although once found it was found easy

TASK SEVEN(ROTATE AROUND THE DISPLAYED OBJECT):

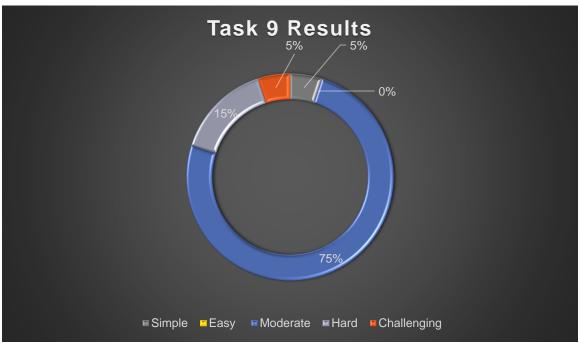


TASK EIGHT(ZOOM INTO THE DISPLAYED OBJECT):

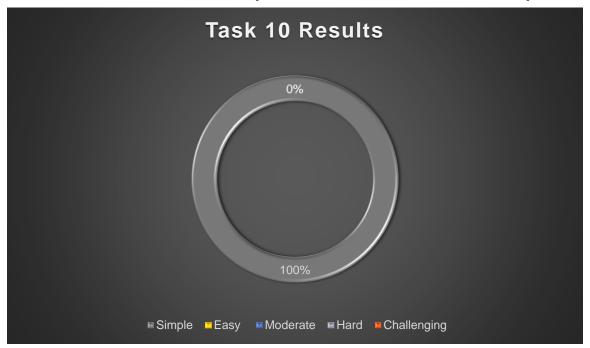


Rotation and zooming of the object was met with ease by all users.

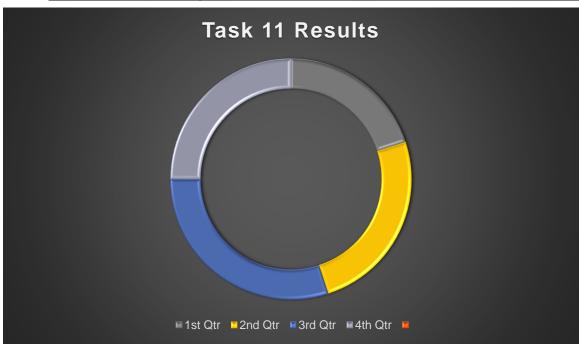
TASK NINE(RETURN OBJECT TO A DEFAULT LAYOUT):



TASK TEN(OPEN THE USER MANUAL):



TASK ELEVEN(APPLY BUMP MAPPING TO THE OBJECT):



Users commented that after changing a shape in rules file they found dealing with the rules file simpler.

TASK TWELVE(OPEN A LIST OF DIFFERENT TEXTURES):



TASK THIRTEEN(OPEN A LIST OF TEXTURES):



Users found open lists and documents easy with the use of the available buttons.

TASK FOURTEEN(USE MAGICVOXEL TO CREATE AN OBJECT):



TASK FIFTEEN(UPLOAD NEW OBJECT):



Users found this task to be more enjoyable and only struggled when uploading objs that were large or one where there were blocks diagonal to each other.

TASK SIXTEEN(DOWNLOAD MINIFIED JAVASCRIPT):



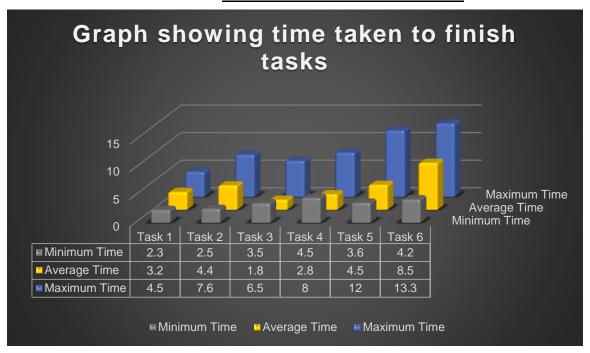
TASK SEVENTEEN(ADD RULE TO RULE FILE):

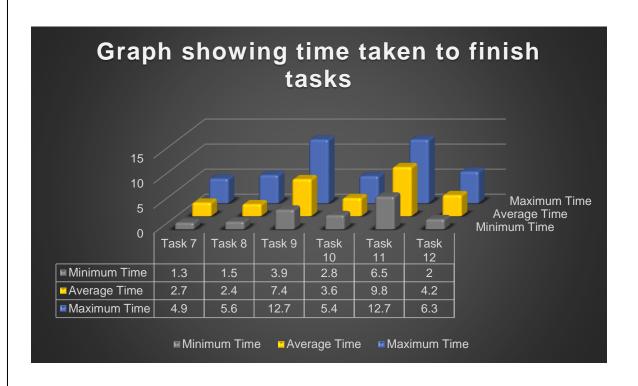


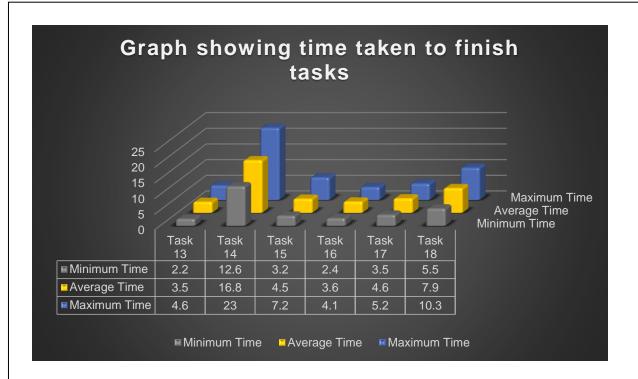
TASK EIGHTEEN(CHANGE EVERYTHING INTO CUBES):



OBSERVER'S RESULTS:







The time taken to finish the tasks shows us that the uploading is restricted by the speed of the upload but the actual tasks are easily performed. Other manipulation tasks took users longer but after using the rules file once or twice their task speed sped up.