

November 2022

CGM Presentation

Group 10

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WARISH

SNEHA

RAMGOPAL

STEVEN

IIITS LECTURE HALL



- A 3D CLASSROOM/LECTURE HALL IMITATING THE IIITS LECTURE HALL IN WHICH THE PERSON CAN MOVE AND EXPLORE THE DIFFERENT PARTS OF THE CLASSROOM
- WE CREATED A WHITE MARKER BOARD , ADDED FAN ,PROJECTOR ,CUPBOARDS ,SHELF , WINDOWS , DESK , CHAIR AND A PC

Controls



Cursor

use cursor to turn camera
in desired direction



Arrow keys / WASD

use arrow keys or wasd to translate
the camera in desired direction

Technologies

Open gl , freeglut

OpenGL is a cross-language, cross-platform application programming interface for rendering 2D and 3D vector graphics

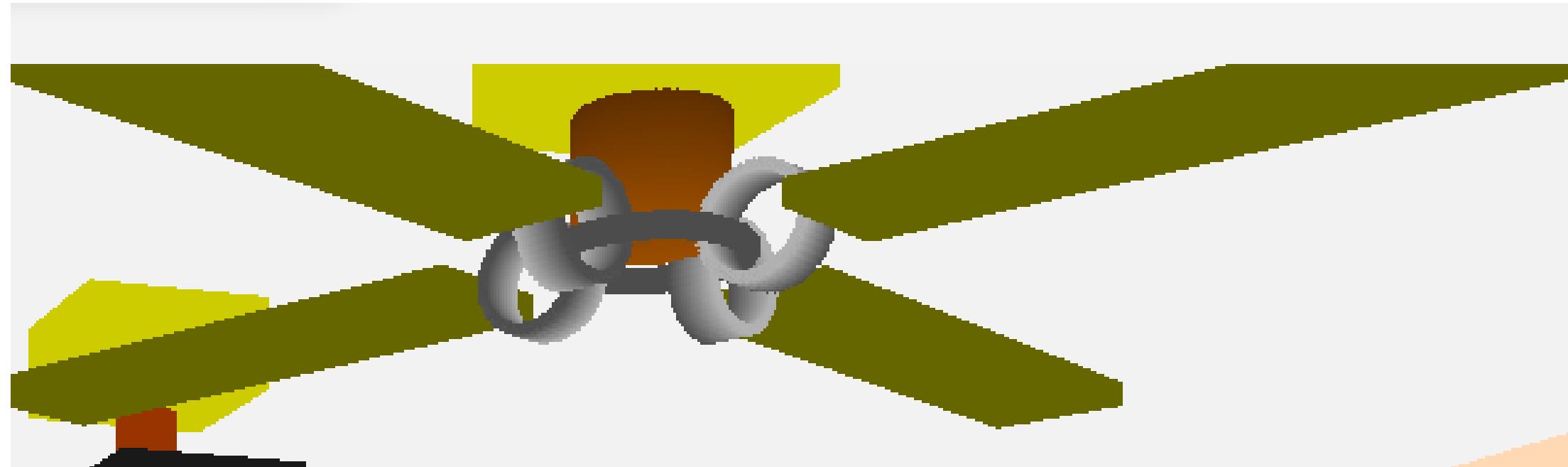
MingW

MinGW is a compiler system based on the GNU GCC that compiles and links code to be run on Win32 (Windows) systems. It provides C, C++ and Fortran compilers plus other related tools.

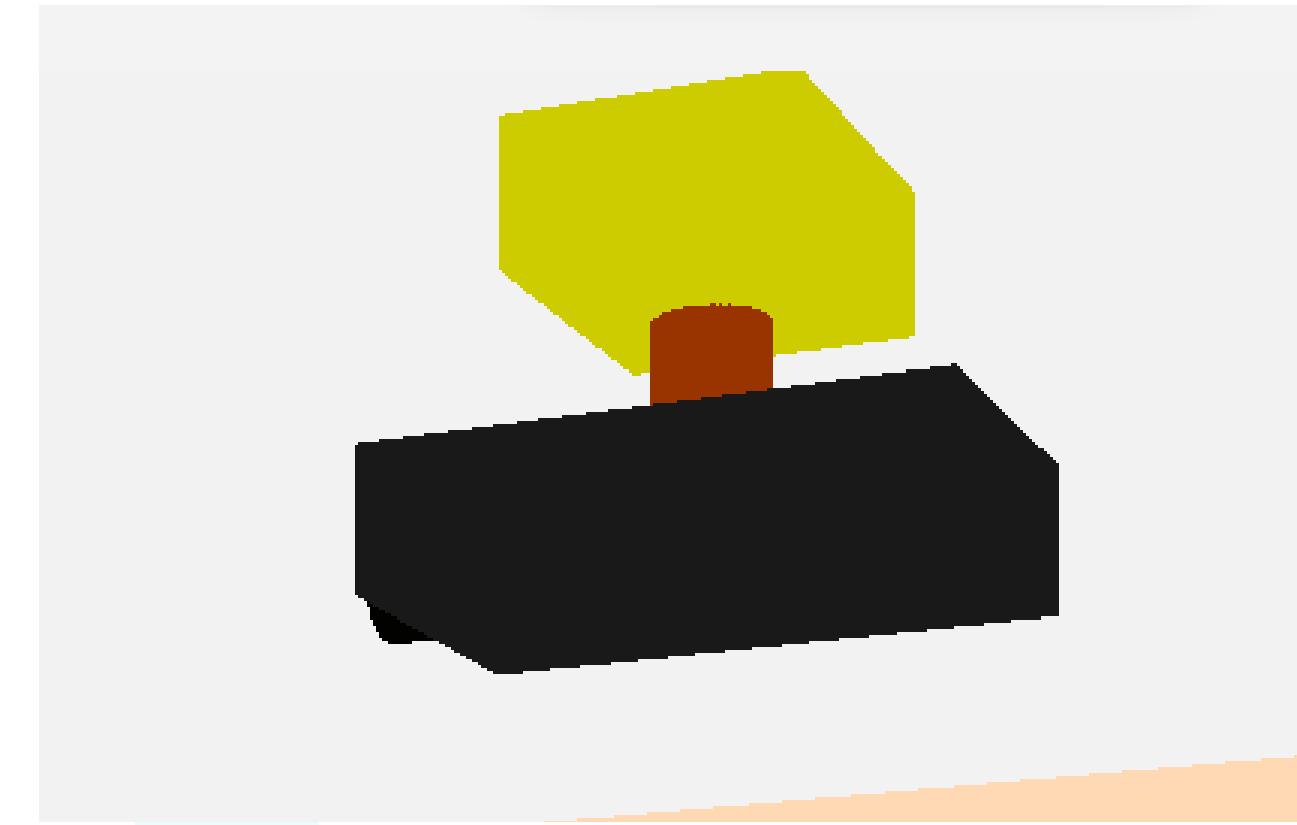
Codeblocks

Code::Blocks is a free, open-source cross-platform IDE that supports multiple compilers including GCC, Clang and Visual C++.

DIFFERENT COMPONENTS



FAN

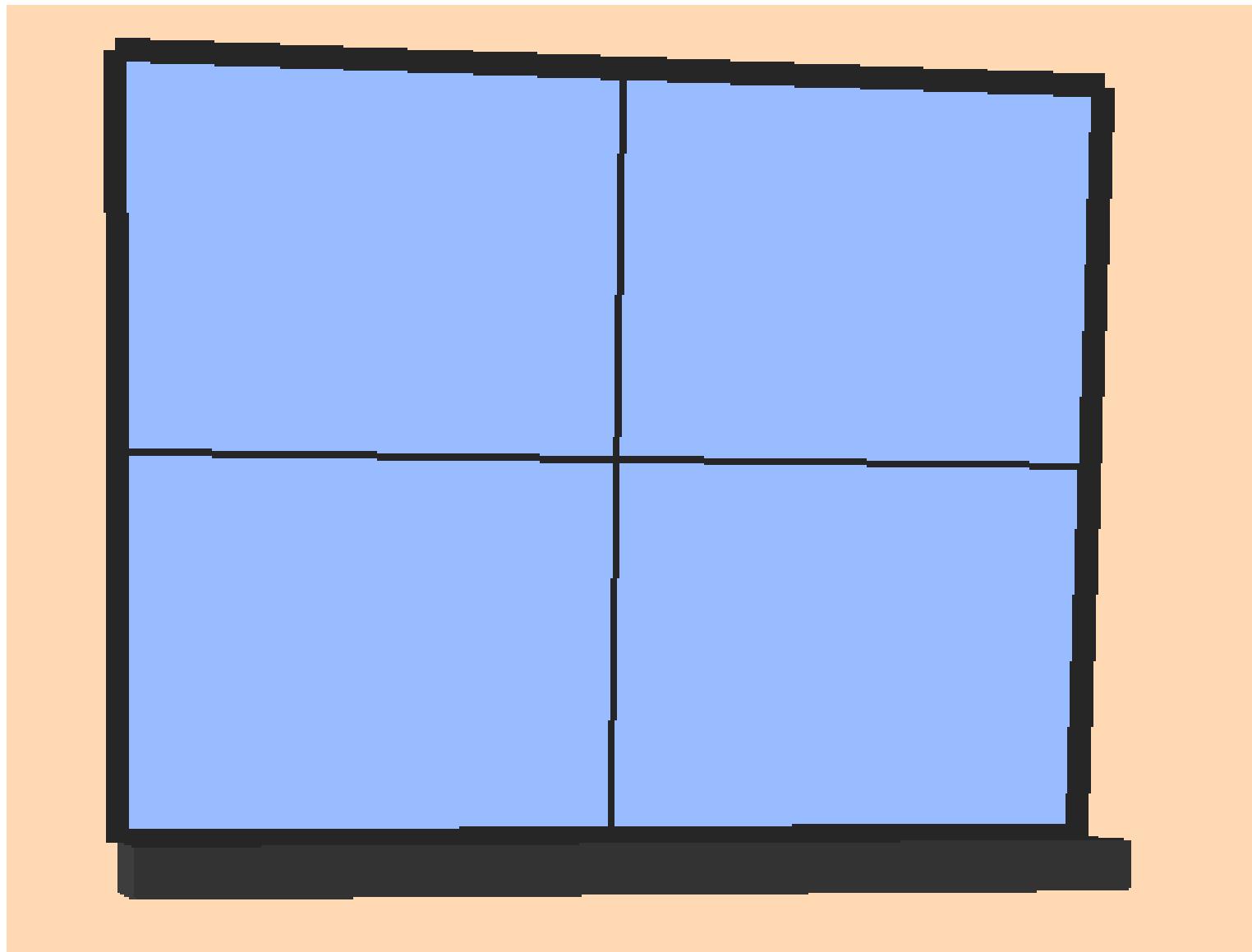


Projector

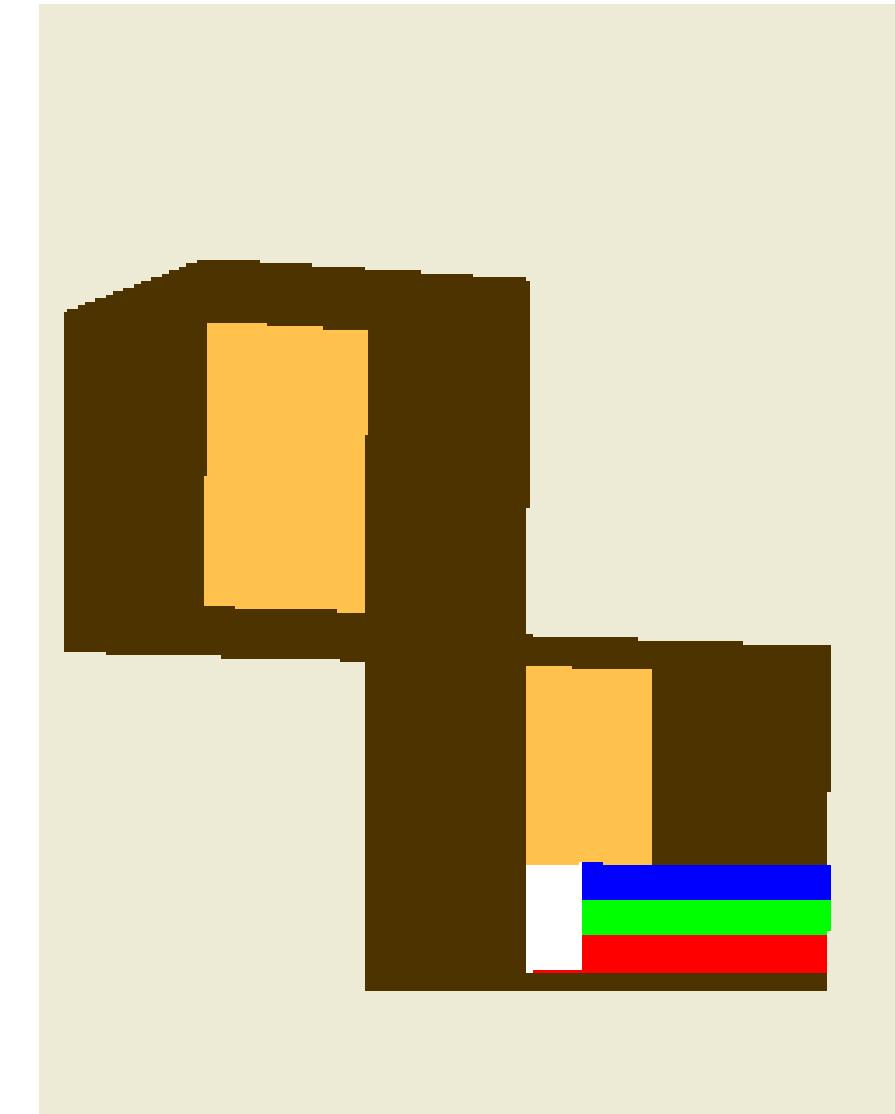
DIFFERENT COMPONENTS

04

Window

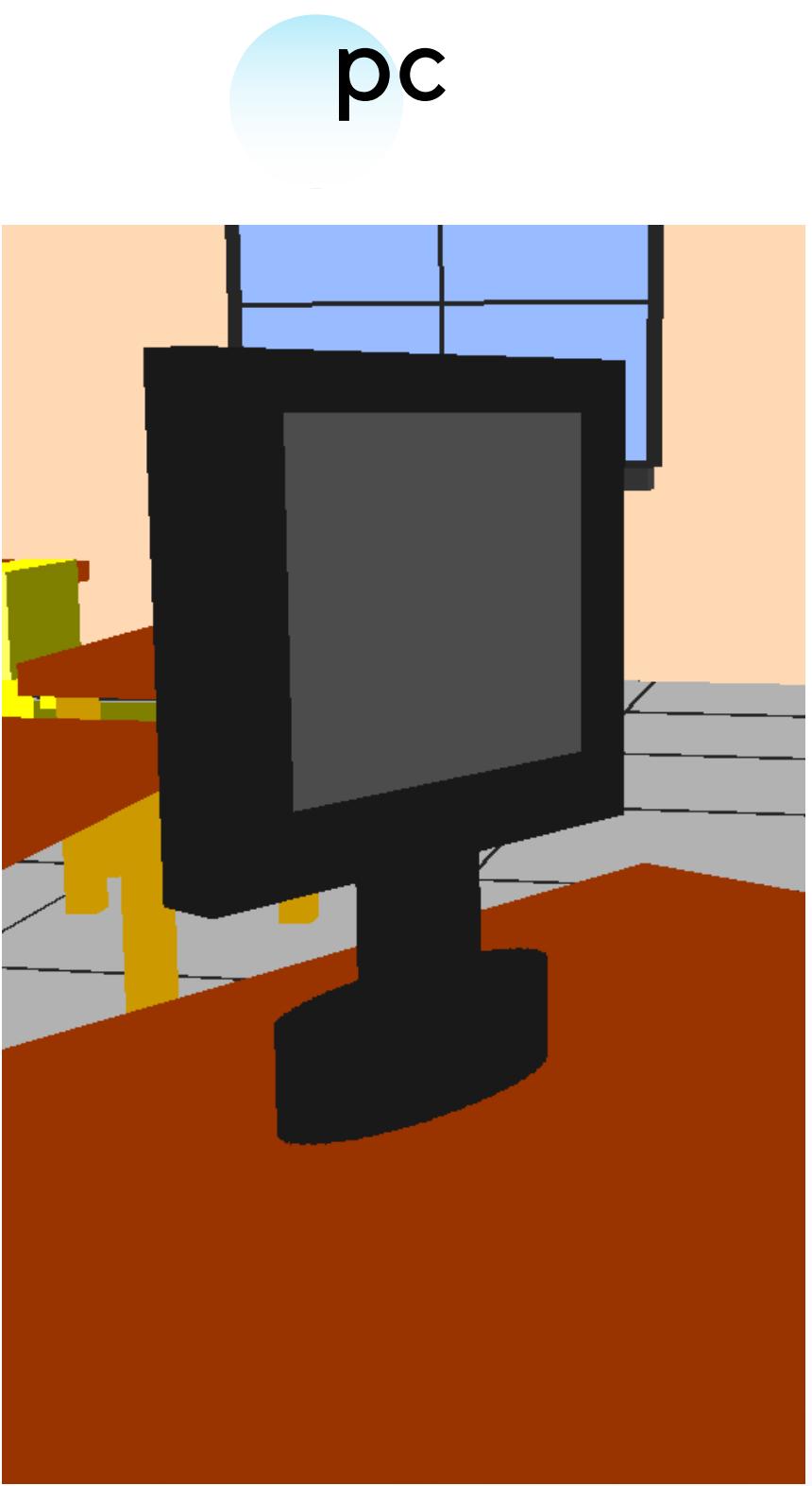


Shelf

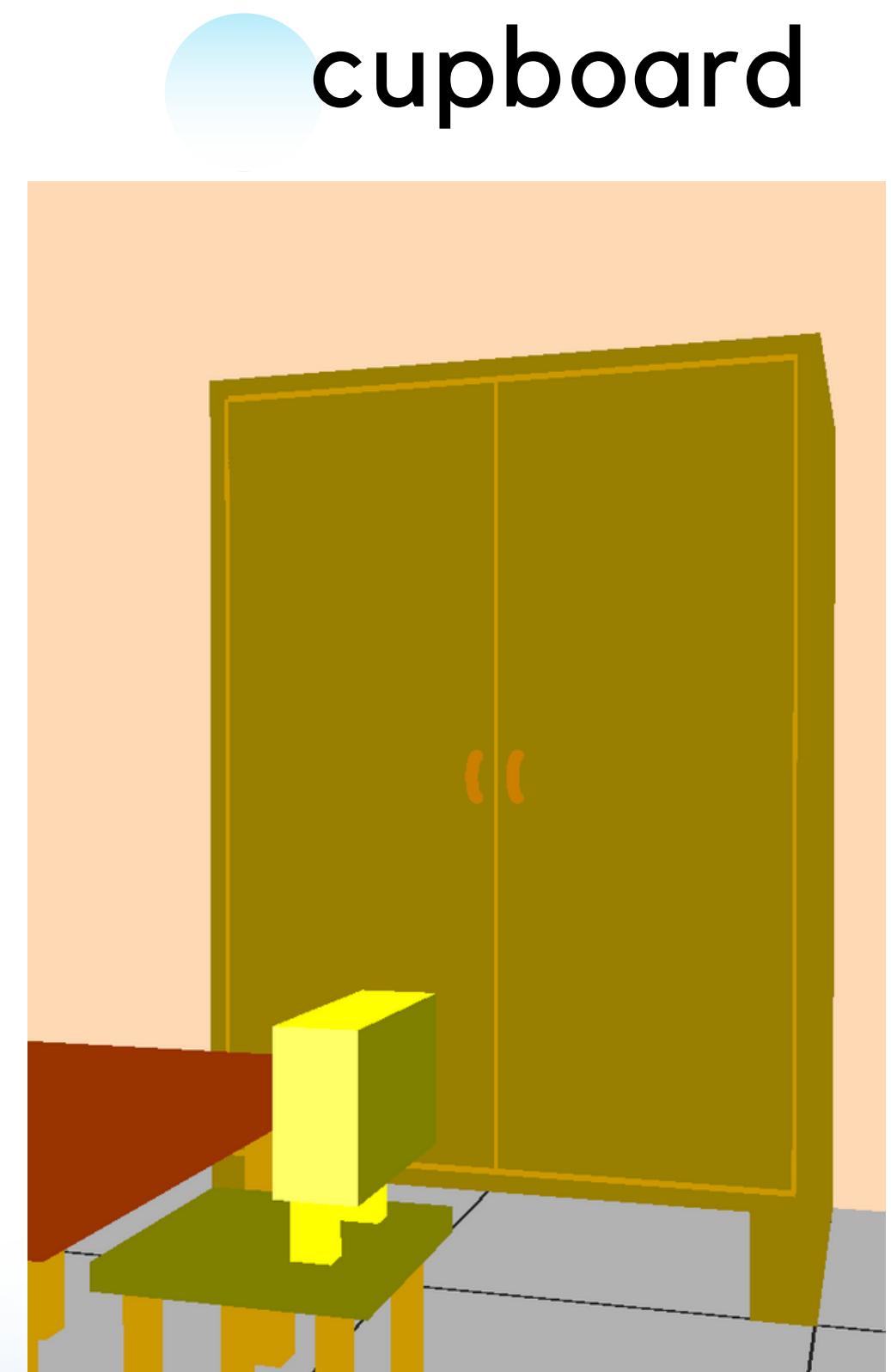


DIFFERENT COMPONENTS

04



pc



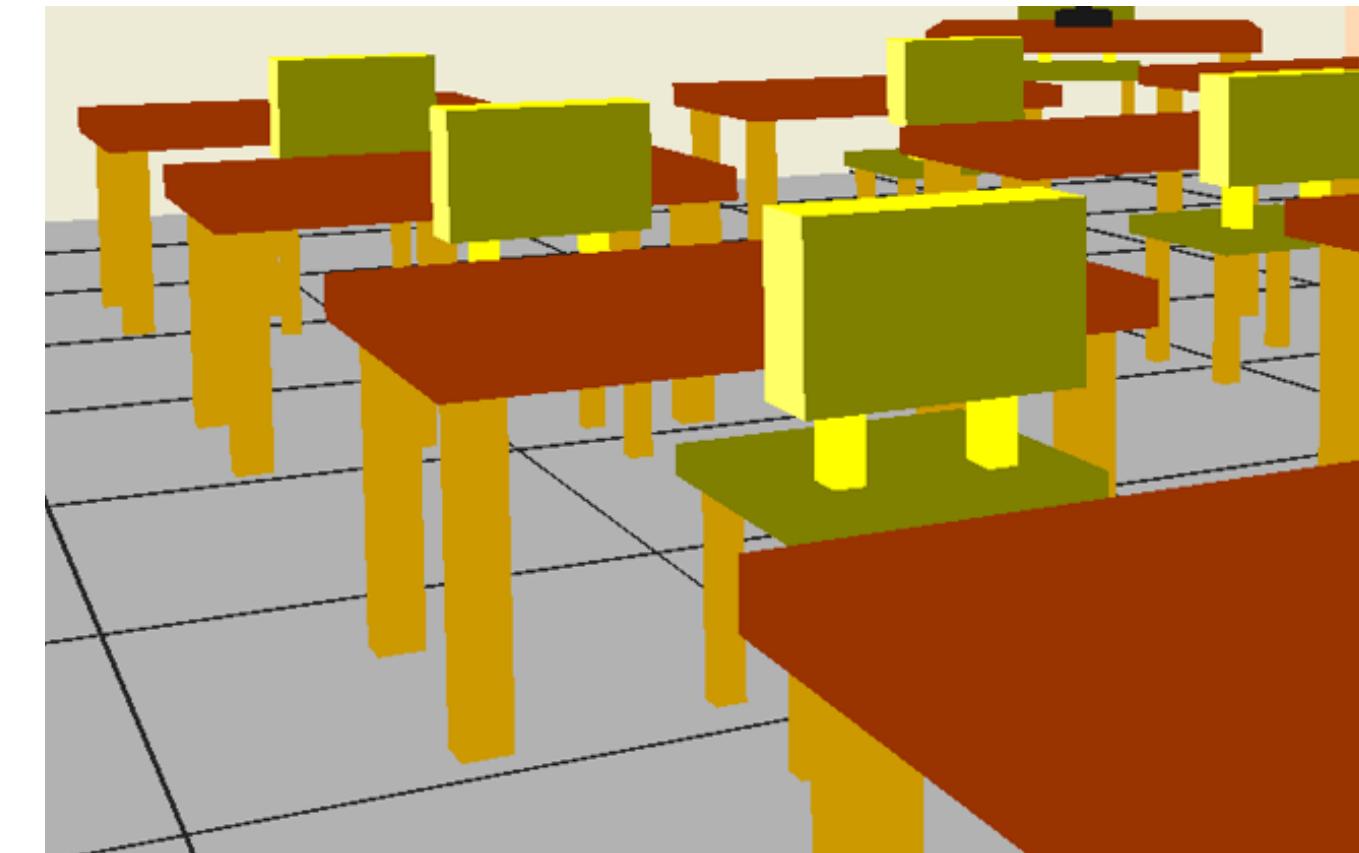
cupboard

DIFFERENT COMPONENTS

05

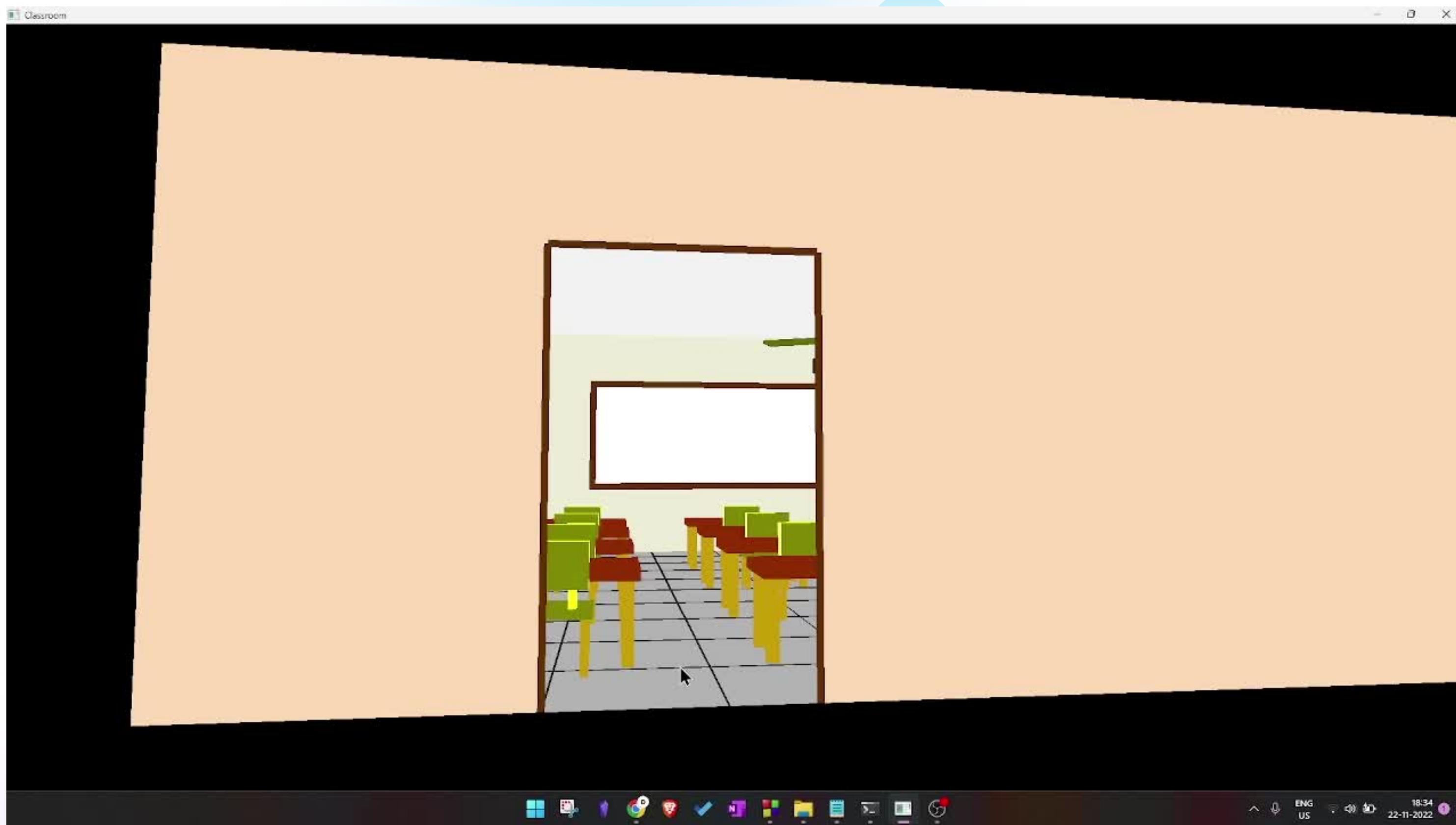


WhiteBoard



Study Table

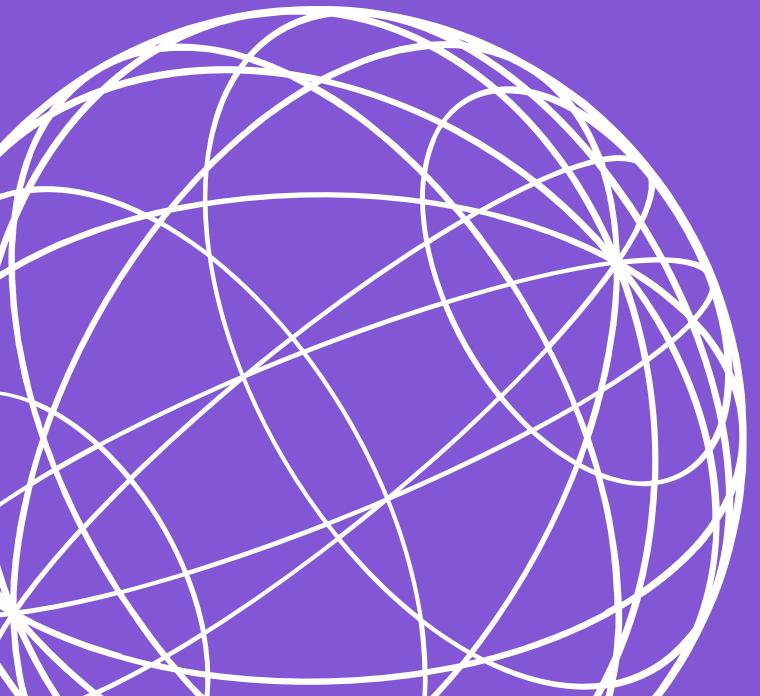
Demo



INDIVIDUAL CONTRIBUTIONS

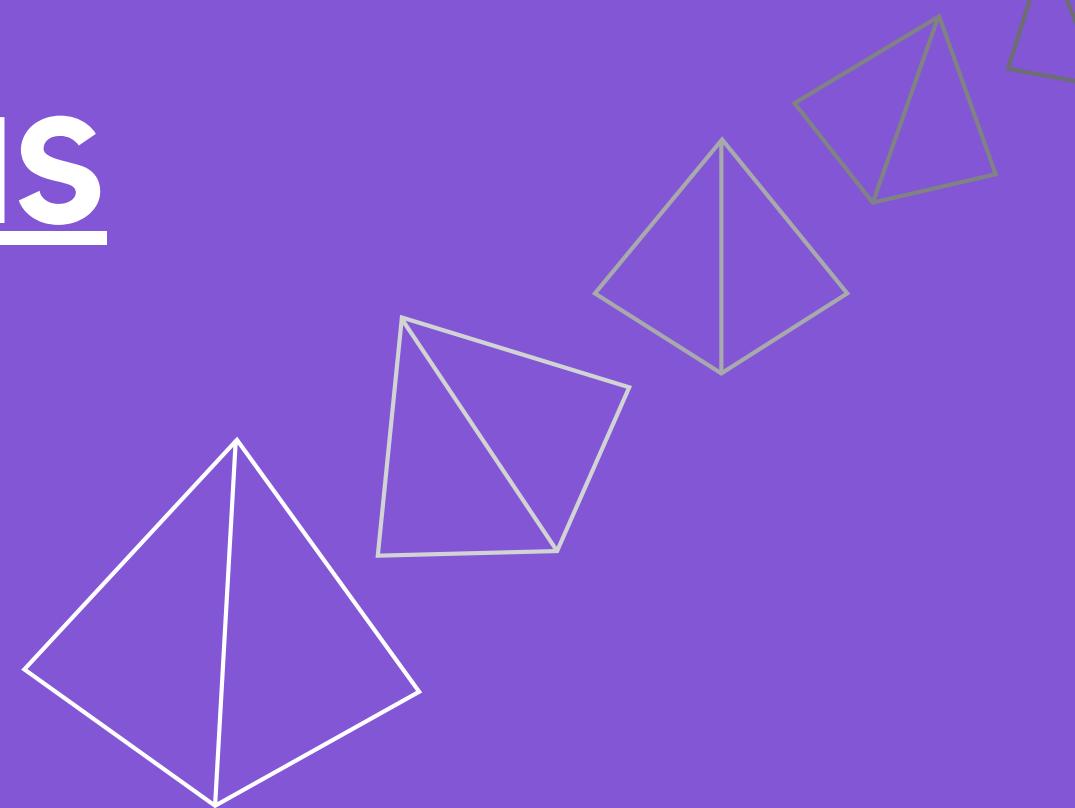
Sneha

- Chair
- Table
- Windows functions



Warish

- Wall
- Fan
- White Board
- Shelf



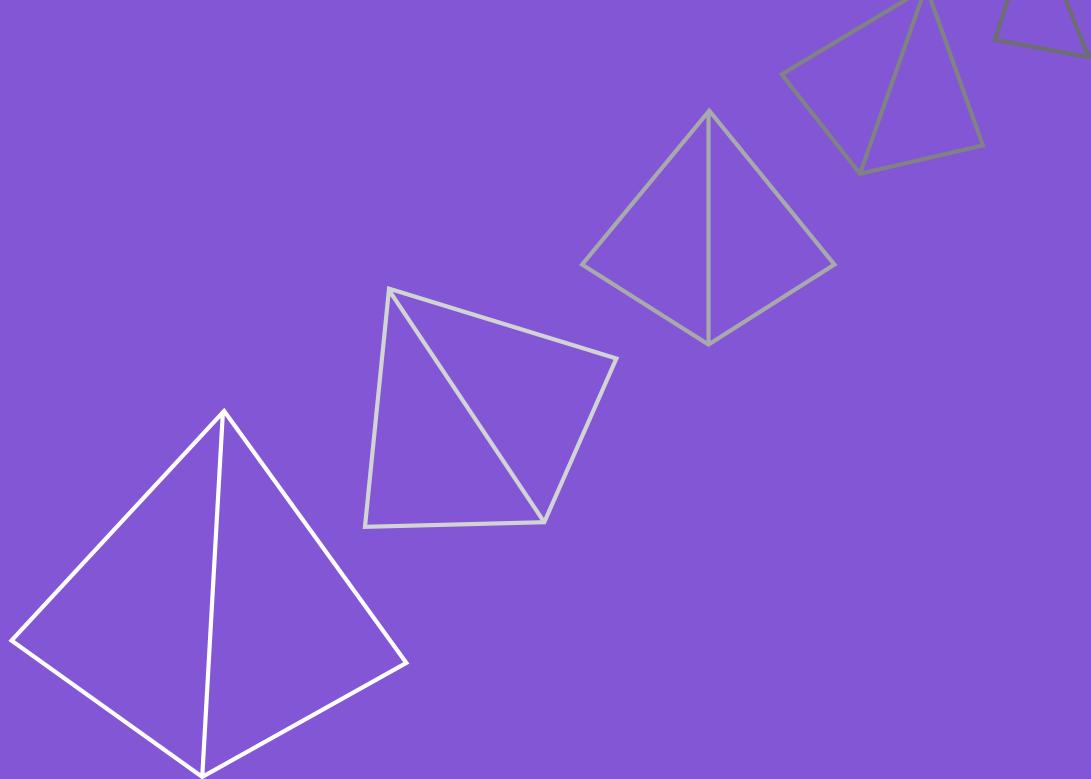
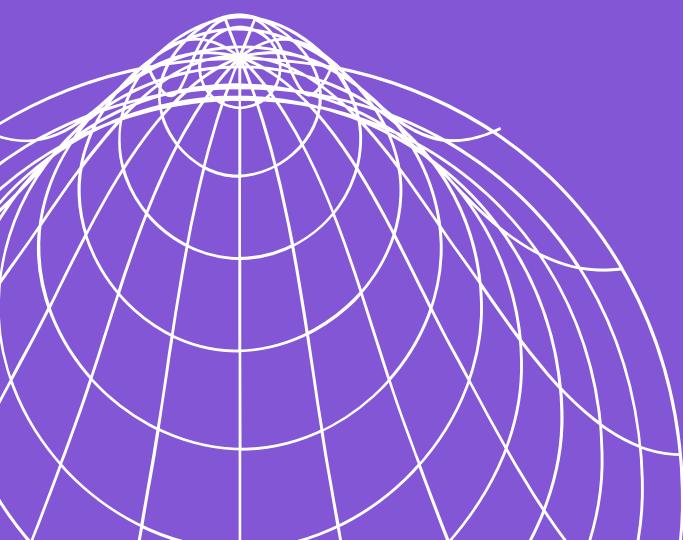
INDIVIDUAL CONTRIBUTIONS

RamGopal

- Rendering the scene ,
- Classroom Door and Ceiling
- Books and PC
- Projector

Steven

- Cupboard
- Animation of the Fan
- Setting view port
- Functionality of Mouse and keys



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Thank You

GROUP 10

