Umm Al-Qura University

Collage of Computer Science and Information Systems

Department of Computer Science

COMPUTER GRAPHICS

14012501-3

Story Of Maroco

student from Group 4:

Leader: **Batool obaidallah alsulami**	**443000985**
Jana muhammad medher	**442000261**
Eatzaz Mousa Hafiz	**443009186**
Lujain Alhebshi	**443011980**
Dhay ali alqurshi	**443001661**
Maysaa Salem Aljafri	**443014662**

Dr. Omniah H. Nagoor

work devision

name	tasks
Batool obaidallah alsulami	• Draw Scene 6 • Report • Proofreading Report
Maysaa Salem Aljafri	• Draw Scene 2 • Draw Scene 8 • used Texture • Report
Jana muhammad medher	• Draw Scene 1,10 • Draw Scene 4 • Draw Scene 5 • used Texture • Collected work and modification • presentation
Eatzaz Mousa Hafiz	• Draw Scene 9 • used Texture • Report
Lujain Alhebshi	• Draw Scene 3 • Draw Character (Maroco) • Keyboard & transition scenes • Presentation
Dhay ali alqurshi	• Draw Scene 1,10 • Draw Scene 7 • Keyboard & transition scenes • Presentation

Content table

The general idea

The project is an animated video that aims to convey a meaningful story, with the goal of raising awareness among students about the significance of effective time management. It emphasizes the importance of avoiding the loss of valuable time and achieving a balance between the demands of life. This animation seeks to illustrate the impact of time management on one's personal and academic life, highlighting the benefits of making wise choices and allocating time efficiently. It serves as an educational tool to help students understand the long-term consequences of their time-related decisions and encourages them to develop essential time management skills

goal 🎯

Our project's main goal is to create an animated story using OpenGL that shows how essential time management is, especially for students. We want to demonstrate how good time management can help students avoid burnout and stop delaying their tasks. Ultimately, we aim to help students find a balance in their lives by making the most of their time, leading to less stress and better academic performance.

Contributions

Contributions - Our project introduces Maroco's relatable story as a model for demonstrating the consequences of poor time management. - The utilization of animation as an educational tool enables the visual depiction of the impact of disorganized time management.

Methodology

Functionality:

First at all, we use the library
<GL/glew.h>
<OpenGL/gl.h> <GLUT/glut.h>
<GL/freeglut.h>
<random>

void glBegin();
 Specifies the primitive that will be created from vertices presented between glBegin and glEnd.
void glColor3f();
glTranslate ();, glRotate();, glScale( );
Specify the x and y and z coordinates of a translation vector.
Specifies the angle of rotation, in degrees.

Implementation:

```
glRasterPos2f(-0.37f, 0.5f);
   const char* text1 = "Text ";
   while (*text1) {
      glutBitmapCharacter(GLUT_BITMAP_TIMES_ROMAN_24, *text1);
      text1++;
   }
```

Introduction

This section serves as an introduction to our project, emphasizing its educational value in teaching essential time management skills. Our project is designed to make this concept accessible and engaging, enabling people to appreciate the advantages of efficient time management through an inspiring story. In addition, we will provide an overview of the scenes in our project.

1 **First Scene**

maroco in the lecture thinking about the tasks that await her after returning home. And she wonders if time will be enough for her, oh my God, and she feels anxious and nervous and does not listen to what the teacher says.

2 **Second Scene**

after maroco return home, she took a long nap

3 **Third Scene**

then she wrested her time eating and playing around .

4 **Fourth Scene**

On the day of the exam, Maroco continued to be disorganized and negligent as she forgot basic office supplies, wasted time borrowing, and had difficulty remembering the information she had studied.

5 **Fifth Scene**

When the results were finally announced, Maroco's heart sank. The grades were far from what she had hoped for. She felt a deep sense of disappointment and sadness, blaming herself for her lack of organization and absent-mindedness.

Introduction

6 | Sixth Scene

Maroco besides to change so she listens carefully to her teacher and try to pay attention with her lectures.

7 | Seventh Scene

And when she gets back home, she studies hard, does her homework, and takes a look at the lecture.

8 | Eighth Scene

She completed all of her homework

9 | Ninth Scene

then she went to bed early and go early

10 | Tenth Scene

after working hard Maroco finally get an $A+$ in her final exam and she was very happy with her result

Manual

The user presses on the keyboard the scene number and it is displayed

Project Screenshots:

First Scene

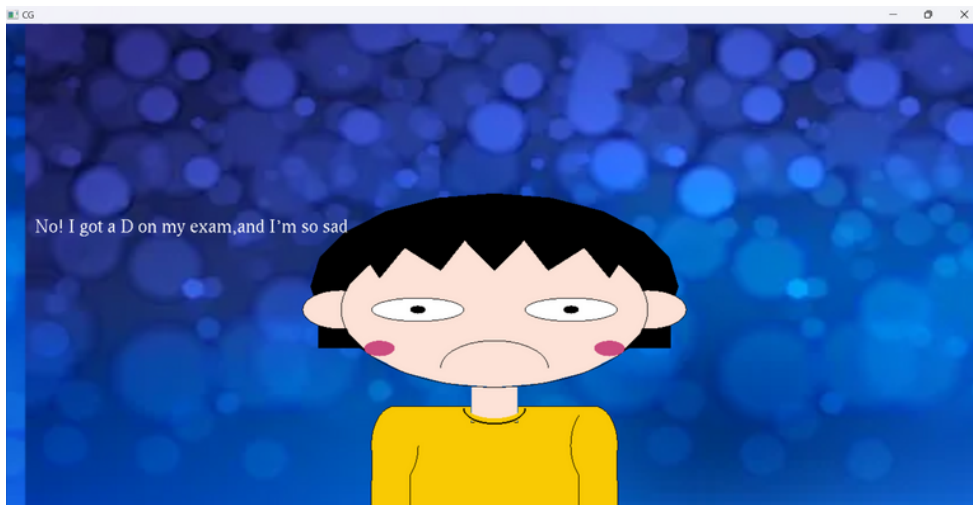

Second Scene

Third Scene

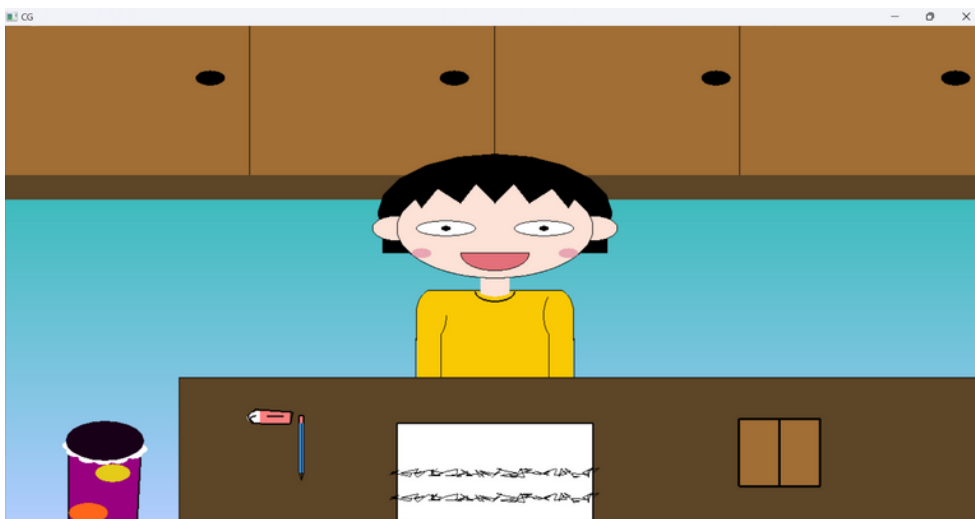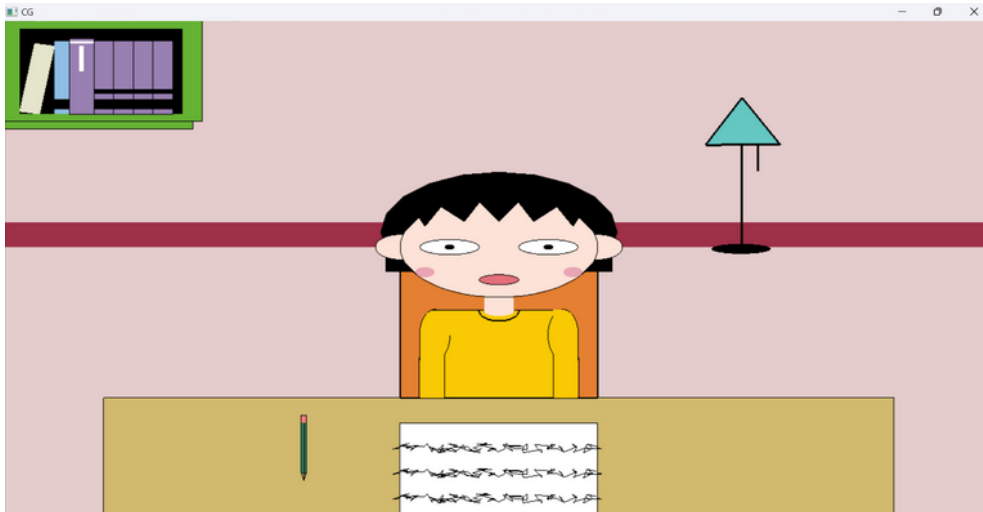# Project Screenshots:

Fourth Scene

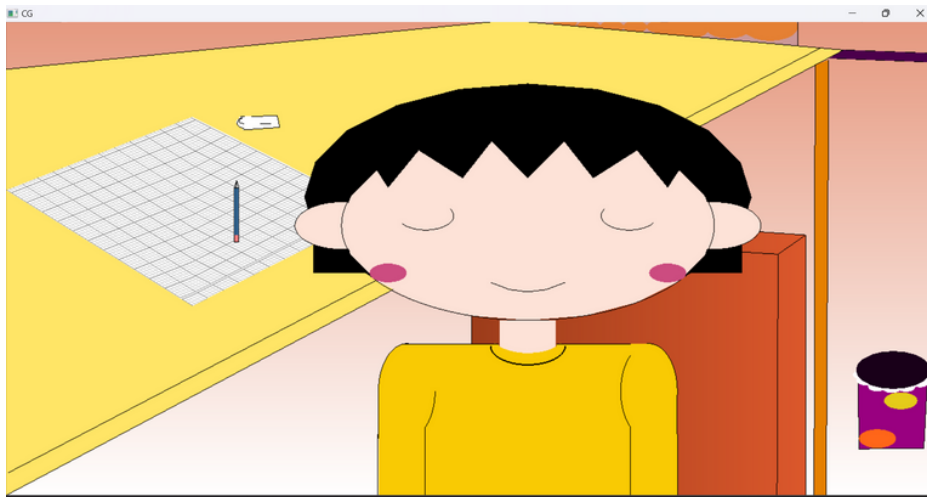5 Fifth Scene

6 Sixth Scene

Project Screenshots:

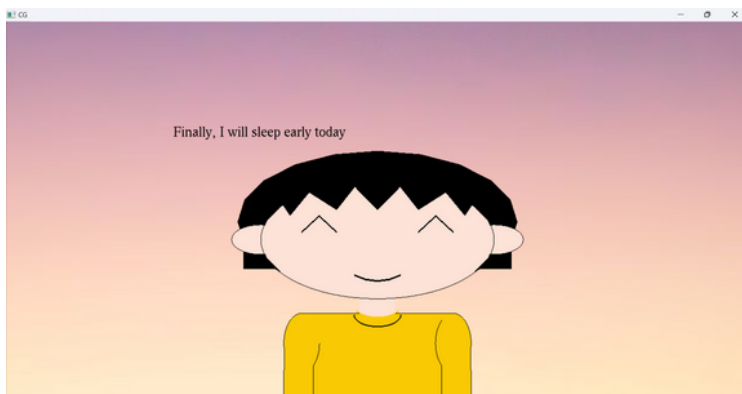**7** **Seventh Scene**

8 **Eighth Scene**

9 **Ninth Scene**

10 **Tenth Scene**

Conclusion

In summary, our computer graphics project, with the assistance of OpenGL, highlights the remarkable benefits of effective time management, especially in the context of students' lives. Through Dalal's captivating story, we've clearly shown how good time management can prevent student burnout, halt procrastination, and lead to a more balanced life. It's a skill that anyone can develop to reduce stress and enhance academic performance.

The lessons we've shared through Dalal's journey are relevant in our rapidly changing world. We hope our project serves as a source of inspiration for individuals to understand the importance of time management. By making the most of their time, they can unlock a path to success and a more fulfilling life.

Future Work:

In the future, there are exciting possibilities to expand and improve our project. We plan to add more scenarios and diverse characters to make the time management lessons even more relatable.

Reference:

Computer Graphics with OpenGl

stackoverflowe

OpenGL.org
https://www.youtube.com/watch?v=Oa5RWmR2OvI