



AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH

Faculty of Science and Technology

Department of Computer Science

CSC 3224: Computer Graphics

Title: Ocean and City's View

Group No: 3

Evaluation: (ID and Student Name fill-up by Student)

| ID | Student Name | Contribution | Sec | Code (15) | Viva (15) | Idea (7.5) | Report (7.5) | Demo (5) | Total (50) |
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Title: Ocean and City's View

Project Idea: The idea is based on Ocean and City's View.

Introduction: The project is based on Ocean and City's View and its surrounding scenario and beauty. There has a river and houses beside the road. The trees may visible in the scenario though besides the houses. In this view, the car would move from one direction to another. In the river, the boat would move from one direction to another. In addition, In the night view, the moon would enter the scene in the dark sky. However, the rainfall scenario would express the dark gloomy weather where the clouds may turn into the dark shade in the gloomy sky.

FEATURE LIST:

1. Day view (D)

- i. House → 4
- ii. Trees → 5
- iii. Clouds → 2 moving
- iv. Sun → rise
- v. Boat → moving
- vi. Road → 1
- vii. River
- viii. Car → 2 moving
- ix. Hill
- x. Swing
- xi. Birds

2. Night view (N)

- i. House → 4
- ii. Trees → 5
- iii. Moon → arise after sunset
- iv. Boat → 2 moving
- v. Car → 2 moving
- vi. Hill
- vii. Swing
- viii. Birds

3. Raining (R)

- i. Rainfall

Schematic Diagram:

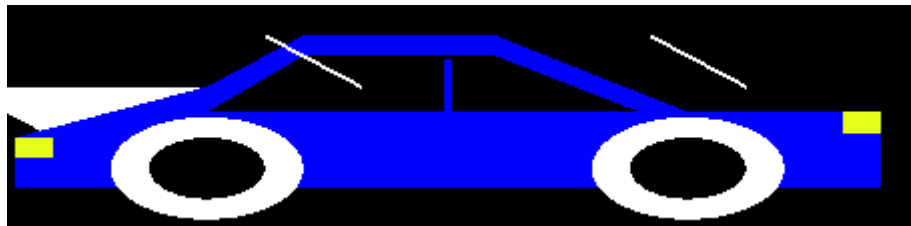
Road:



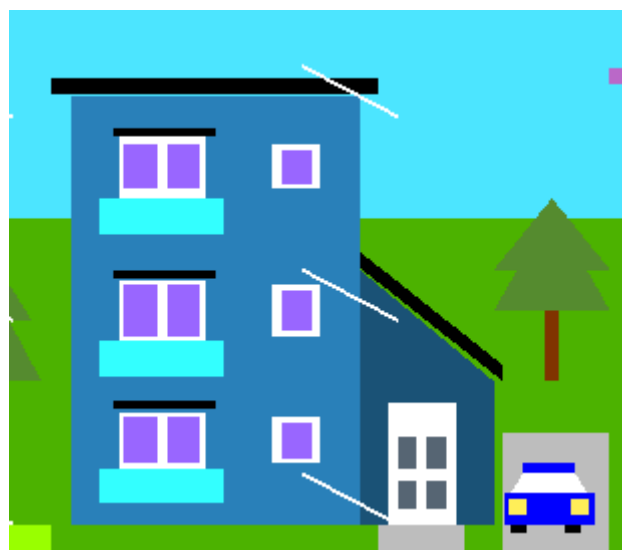
Trees:



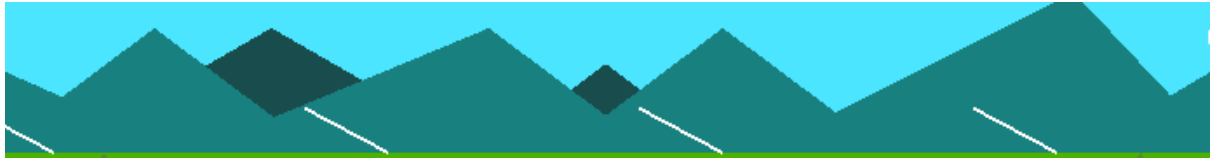
Car:



House:



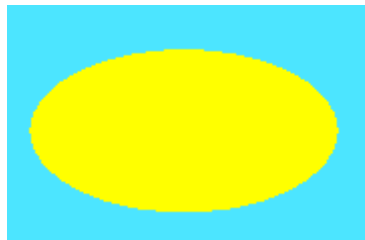
Hill:



Swing:



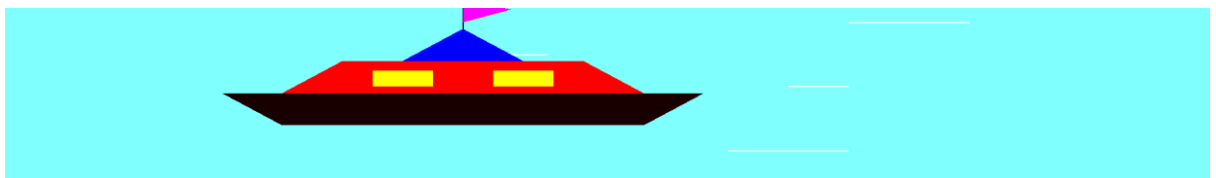
Sun:



Birds:



River and Boat:



Function to represent the object:

| Object Name | Function |
|--------------|--|
| Lamp | drawLamp() |
| Road | drawRoad() |
| Truck | drawTruck(),drawTruckLight() |
| Car | drawCar(),drawCarLight() |
| Moon | moon() |
| Star | star() |
| Boat | drawBoat() |
| Water | water(), waterLineNight(),waterNight() |
| Bird | bird() |
| Cloud | cloud(),cloudNight() |
| Tree | tree() |
| Field | field() |
| BuildingPart | buildingPart() |
| Chair | chair() |
| Hill | hile() |
| Rain | rain() |

Conclusion: In this computer graphics project, we have used glut to create an Ocean and City View. We've demonstrated how to create the Ocean and City View utilizing code blocks and several capabilities. We made every effort to create a genuine Ocean and City View situation for this project.
