American International University- Bangladesh

Computer Graphics

Project Report
Spring 2020-2021

Project Title: A Busy City
Section: L
Group: J

Student Name	Student Id
HASAN, MD. JAHID	19-39899-1
PAUL, ANIK KUMAR	19-39880-1
AFENDI, MD. YOUSUF	19-39887-1

Introduction:

This is a computer graphics project to display a busy city with visual roads and cars, roadside house, tree and a scenery. Code-blocks IDE, OpenGL and C++ programming language are used to build this project.

Problem Statement:

Traffic jam is a part of a busy city and due to all type of vehicles on the roads, accident is also a common scenario.

Objective:

As heavy vehicle is the main cause of traffic, it is kept on the different lanes. There is a divider (black line on the project) in the middle of small vehicle and heavy vehicle lanes.

Methodology:

This system can be developed by adding the proper divider and changing the all types of vehicle in a single road to another side road of the divider.

Significant of the project:

Referring to the problem statement, public can use the roads without having traffic jam or vehicle collision.

Conclusion:

Living in a busy city with problems are common and all the problems have solution. In this project a particular problem of traffic jam and accident is focused. It is tried to solve by adding lane divider and moving the high and small vehicle to different lanes.
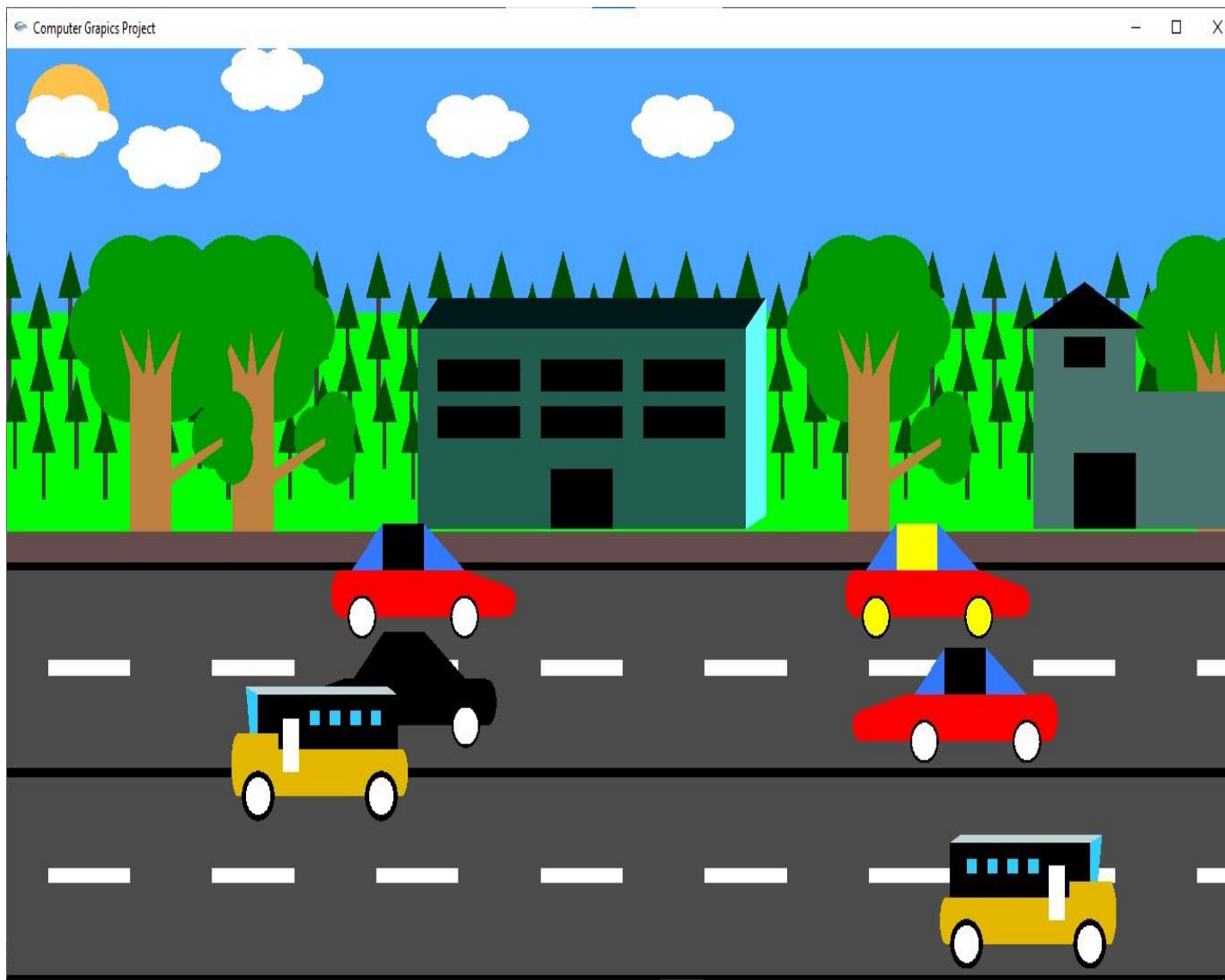
Figure*: A Busy City*