

Laboratory Work No.5
WINDOWS PROGRAMMING
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In this laboratory work we improved our skills in working with Win API, creating different object, geometric figures, like cars, traffic lights and pedestrians, etc. In the following sections I described each feature, according to the required tasks.

1 Simulate the work of a traffic light for an intersection with 4 traffic lights.

We created a class responsible for all the traffic lights. In order to look more clear I made the traffic lights with two colors.

2 The user should be able to increase the speed of traffic light (interval when colors are changed)

The user is able to control the cars by using the mouse.

3 The user may be able to increase the number of generated random cars

It can be done, in a way, also using mouse. The more cars the user wants to have in intersection - the more time should be last(using mouse) to car generation.

4 In the simulation should be present 2 crosswalks with people passing.

We decided to make four of them, for simmetry ;)

5 Random special cars crossing (at least 2; ex. ambulance, president care, police car, etc).

The randomly generated cars are: Police and Ambulance.

6 Introducing of the car accident generated by the wrong crossing of the car/pedestrian or presence of drunk driver.

We've created a car that does not go on the road. It takes the "Pideadreptu" way.)) Ask for a demo so you will se what we've done. :)