UML State Machines

Traffic Light System

Lab 2

Report by

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Objective

The objective of this lab is to develop a traffic light UML state machine, generate java code using UMPLE and integrate it into an existing program.

Design

Discussion

We split this lab into three parts, with each person taking either the low, moderate or high traffic settings. We each came at our respective solutions in different ways, so there were issues when we tried to integrate them together in one program. However, we were able to overcome the differences in our solutions and our program operated as we intended.

Conclusion

We were able to meet our objective. The updated program worked as it was intended, and we created a UML state machine using Umple that represented our design.