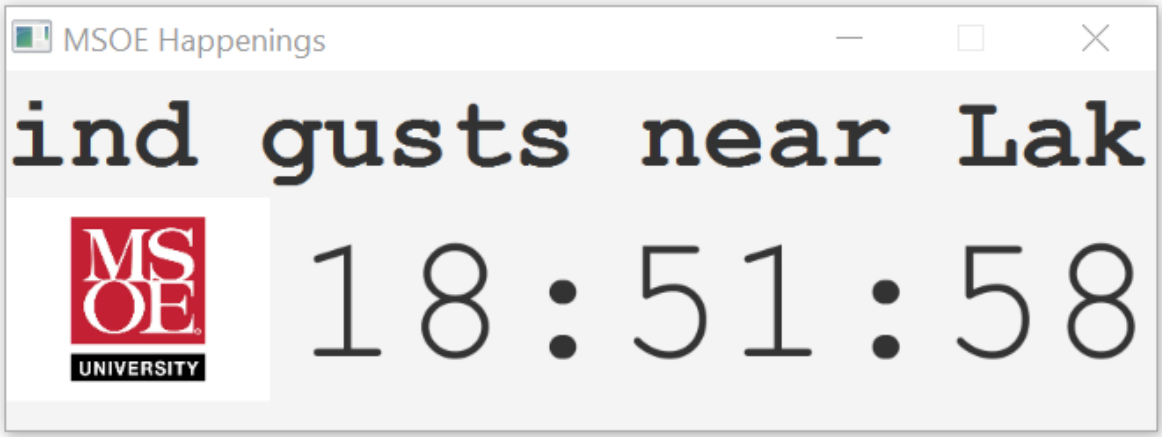
SE2832 Lab 6: A Scrolling Billboard

1 Lab Objectives

- Perform an input domain analysis on a given system
- Construct test cases based upon the input domain

2 Introduction

In many cities and locations, prominent news events are displayed on scrolling banners. Historical footage of New York city shows scene of jubilation as the banners scroll that Japan had surrendered at the end of World War 2 or that the Yankees had won the World Series. MSOE has had banners displayed in multiple locations on campus, showing news events and other important aspects of life.



In this lab, you are going to verify the operation of a banner using input domain analysis. Working with a partner, you are to identify the domain and develop test cases to fully verify the operation of a class based upon the described input domain.

3 The Assignment

The UML for this system is provided in Figure 1, and a set of Java Documents for the project are available on the course website. You also will have a fully functioning implementation of the system. The billboard manager has been implemented, but needs unit tests written against it. The unit tests will be based upon the input domain of the class. To aid in the construction of the input domain analysis model, a word document template is available that will help you construct the input domain.

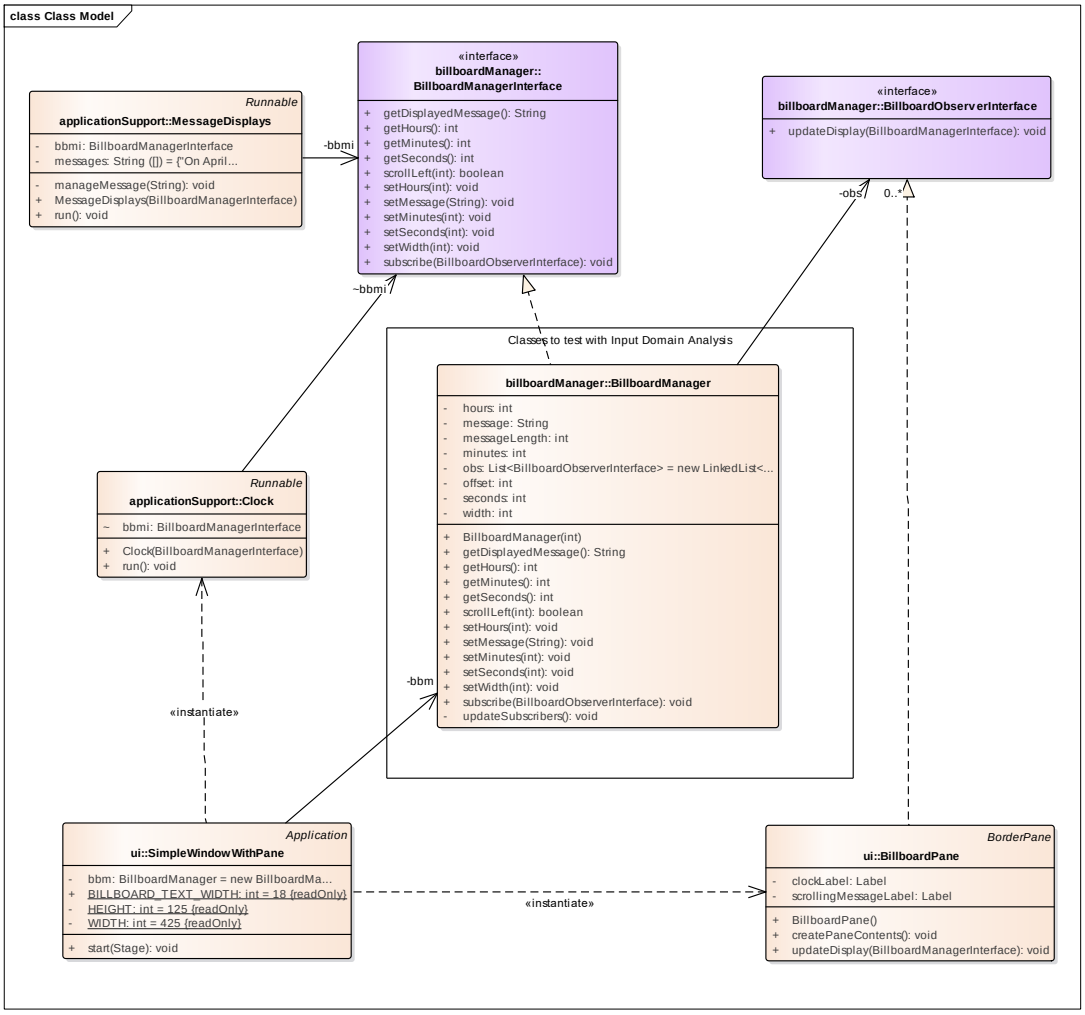


Figure 1: UML.

4 Deliverables / Submission

Now that you have completed your lab assignment, submit the following lab report detailing your experiences. The lab report should be submitted electronically through the course upload page.

1. Introduction
   a. What are you trying to accomplish with this lab? This should be written in multiple, grammatically correct sentences. This section shall be written IN YOUR OWN WORDS. DO NOT copy directly from the assignment.
2. Things gone right / Things gone wrong
   a. This section shall discuss the things which went correctly with this experiment as well as the things which posed problems during this lab.
   b. This should include sections written by both team members.
3. Conclusions
   a. What have you learned with this experience?

b. How has this lab experience changed your attitude toward testing and when you should work on testing your projects?

In addition, the partner responsible for the input domain analysis shall submit in pdf format the input domain model based upon the word document template. The other partner shall submit the complete project with test code.

If you have any questions, consult your instructor.