Short-Answer and Multiple-Choice Questions:

1. What does MVC stand for?

Given these options:

- a. Responsible for user interface
- b. Responsible for security of the system
- c. Responsible for "business logic" and domain objects
- d. Responsible for translating between user interface actions/events and operations on the domain objects
- e. None of the above
- 2. What are the M components in MVC responsible for?

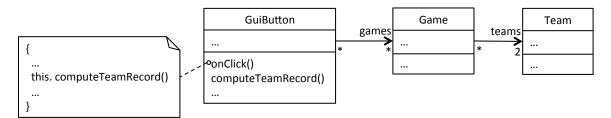
3. What are the V components in MVC responsible for?

4. What are the C components in MVC responsible for?

Solutions:

- 1. Model-View-Controller
- 2. c
- 3. a
- 4. d

Problem: Does the following design obey the Model-View Separation Principle? Explain your answer.





Solution:

No. The View class, GuiButton, has a method compute Team-
Record U. Computing a teams win/loss record is domain concern.
Thes, a view class in contains model code, which
Violates the Model-View Separation Principle.

Problem:

For each of the three major parts of the MVC architectural pattern, tell the name of the part and its main responsibilities in the pattern.

Solution:

For each of the three major parts of the MVC architectural pattern, tell the name of the part and its main responsibilities in the pattern.