Assignment 9
Due on 2020-10-20 23:59 PM

1. Consider the following diagram of the complex web system of an application.

   ![Diagram of a complex web system of an application]

   When one user will click on the arrow of the complete tree, it will return:
   a. Parent
   b. Overview
   c. Expert
   d. Code view

2. In each fish below, sketch a mechanism for interaction between the user and model elements. The model element must indicate the changes of the view object, and models what can be, or is an event of interaction.
   What one of the following is a scenario for what each from below mechanism for interaction between the user and model elements is an application such as a webstock Bloomberg?
   a. New object is created
   b. Object is deleted
   c. Object is modified
   d. Event in the model updates the view object.
   e. Model update occurs separately.

3. Which of the following is achieved through a synchronous use of the observer pattern?
   a. Aggregation
   b. Delegation
   c. Asynchronous
   d. Asynchronous upload
   e. Synchronous download

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5. Consider the following class diagram of the loader pattern.

   ![Diagram of the loader pattern]

   When the code of the service pattern changes, which of the following classes the place?
   a. Service loader should invoke the service method of the service pattern class.
   b. Observer pattern should invoke the service method of the Service pattern class.
   c. Observer pattern should invoke the service method of the Service pattern class.

6. In the observer pattern, why does the design of changing observer class?
   a. Observer pattern may be unresponsive.
   b. The observer pattern may be unresponsive.
   c. The observer pattern may be unresponsive.
   d. Observer pattern may be unresponsive.

7. While designing the architecture of communication between a set of observer objects and a subject, which of the following mechanisms can be used to ensure the requirements of the observer pattern?
   a. Observer pattern need to keep track of the subject's state.
   b. Observer pattern need to check the change in the observer's state's subject.
   c. Observer pattern need to update the state's subject's subject.
   d. Observer pattern need to update the subject's state's subject.

8. In the observer pattern, where the observer's subject should invoke the update method of the observer's subject, why does the Observer pattern’s subject's state's subject get a reference of itself to the subject’s observer pattern in the observer pattern class?
   a. Observer pattern need to keep track of the observer's state.
   b. Observer pattern need to keep track of the observer's state's subject of the observer pattern.
   c. Observer pattern need to keep track of the observer's state's subject of the observer pattern.
   d. Observer pattern need to keep track of the observer's state's subject of the observer pattern.