For each question on this page, circle your chosen answer among the listed options.

1. With the benefit of hindsight, which creational pattern would have been a good fit for your graph ADT, considering its subsequent client programs?
   - Factory Method
   - Abstract Factory
   - Singleton
   - **Builder**
   - Prototype

2. If a class’s objects never change once initialized but must be initialized incrementally, which creational pattern would let you make the class’s objects immutable?
   - Factory Method
   - Abstract Factory
   - Singleton
   - **Builder**
   - Prototype

3. In *Pathfinder* (HW7), would the singleton pattern make sense for the model, given that the program only serves one user per session?
   - **Yes**
   - No

4. In *Campus Paths* (HW9), would the singleton pattern make sense for the model, given that the program (SparkServer) may serve multiple users per session?
   - **Yes**
   - No

5. Scenario: You need a generic graph class, similar to what you have created this quarter in CSE 331, but the edges must not have labels. Which structural pattern best fits the task?
   - **Adaptor**
   - Composite
   - Decorator
   - Proxy

6. Scenario: Your web app, *Campus Paths*, is now very popular; to boost performance, you want the model to cache frequent path queries. Which structural pattern best fits the task?
   - **Adaptor**
   - Composite
   - **Decorator**
   - Proxy