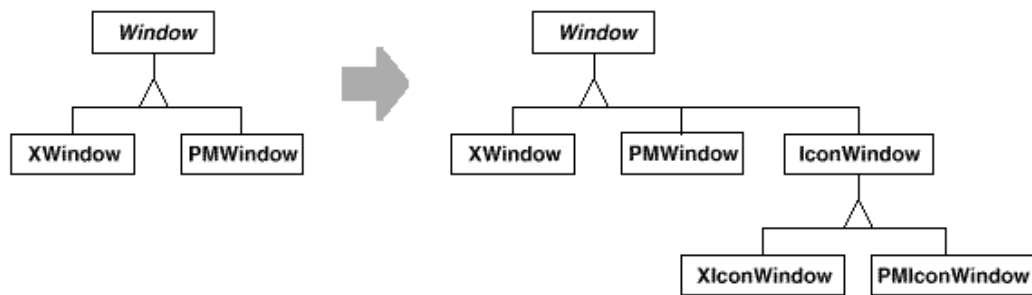


Software Engineering

1. Give an example software projects you familiar with. Do your best to discuss all the software engineering aspects the project applied. 20%
2. Explain 5W2H(W⁵HH) for an simple project with an example.15%
3. Quality and reliability are related concepts but are fundamentally different in a number of ways. Discuss them. 15%
4. What is Liskov substitution principle? Consider a Rectangle class and a Square class that inherits from the Rectangle class. Imagine you had SetWidth and SetHeight methods on your Rectangle base class. Does this design violate LSP? Please state your reason. 15%
5. Describe the problem of the following model and provide a solution. 15%



6. Explain how the principles underlining agile methods lead to the accelerated development and deployment of software. When would you recommend against the use of an agile method for developing a software system? 20%