Use cases

Is the scope of the use case diagram clear?

Does each use case have a user?

Does each user have at least one use case?

Is each use case documented?
  - Using sequence diagrams or use case template

Class diagram(s)

Is the scope of the class diagram clear?

Does the class diagram capture all the classes mentioned in
  - other diagrams?
  - glossary?
  - selected specification requirement(s)?

Does every class have its attributes (properties)?

Does every class have methods to get/set its attributes (properties)?

State diagrams

Is the scope of the state diagram clear?

Does each statechart diagram capture (the states of) a single class?
Is that class in the class diagram?

Does each transition have a trigger event?
Is it clear which object initiates each event?
Is each event listed as an operation for that object’s class in the class diagram?

Does each state represent a distinct combination of attribute values?
Is it clear which combination of attribute values?
Are all those attributes shown on the class diagram?

Are there method calls in the class diagram for each transition?
  - a method call that will update attribute values for the new state?
  - method calls that will test any conditions on the transition?
  - method calls that will carry out any actions on the transition?
**Sequence diagram**

Is the scope of the sequence diagram clear?

Is each class in the class diagram?

Can each message be sent?
Is there an association connecting sender and receiver classes on the class diagram?
Is there a method call in the sending class for each sent message?
Is there a method call in the receiving class for each received message?