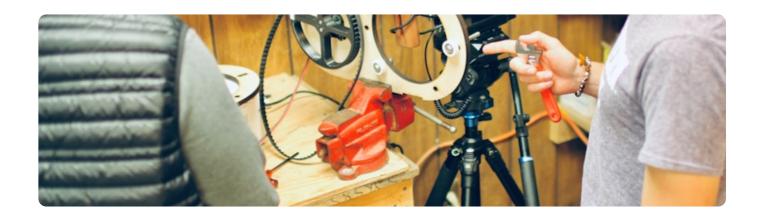


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- 1. Which diagram represents the functional characteristics of a system?
- A) State Transition Diagram
- O B) Data-Flow Diagram
- O) UML: Use Case Diagram
- O) Entity-Relationship Diagram

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- 2. Which diagram is used to model the behavioural aspects of a system?
- A) Structure Diagram (Jackson)
- B) Statechart
- C) UML: Class Diagram
- O) UML: Activity Diagram



3. Which diagram represents the <i>static relationships</i> between desig entities?	n		
A) UML: Activity Diagram			
O B) UML: Use Case Diagram			
O C) Statechart			
O) UML: Class Diagram			
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4. Which diagram is used to model the <i>interactions between a system other 'actors'</i> ?	m and	1	
○ A) UML: Use Case Diagram			
B) UML: Activity Diagram			
C) Data-Flow Diagram			
O) Entity-Relationship Diagram			
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5. Which diagram is used to represent the <i>synchronization and</i> coordination of system activities?			
A) State Transition Diagram			
B) UML: Activity Diagram			
O) UML: Class Diagram			
O) Structure Diagram (Jackson)			
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6 What is the primary purpose of a block have notation in coffware de	oia=		
6. What is the primary purpose of a black box notation in software design			

modeling?

<ul> <li>A) To represent the physical hardware components of a system</li> <li>B) To document the coding standards and guidelines used in development</li> <li>C) To describe the internal implementation details of an element</li> <li>D) To describe the external properties and behavior of an element</li> </ul>	
16 91	<b>/</b> Î
7. Which diagram is described as being more concerned with 'structuand less explicitly related to any one viewpoint?	ıre'
A) Statechart	
B) State Transition Diagram (STD)	
C) Jackson Structure Diagram	
O) Entity-Relationship Diagram (ERD)	
IG QI	<b>/</b> 1
8. Which diagram is related to an architectural style focused on transaction-based forms?	
A) Unified Modeling Language (UML)	
OB) Data-Flow Diagram (DFD)	
C) State Transition Diagram (STD)	
O) Entity-Relationship Diagram (ERD)	
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