Requirements

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1) What is Functional and non-Functional Requirements ?
   - Functional Requirements
     - a functional requirement defines a system or its component. It describes the functions a model must perform. A function is nothing but inputs, its behaviour, and outputs. It can be a calculation, data manipulation or any other specific functionality which defines what function a system is likely to perform.
     - Functional model requirements help you to capture the intended behaviour of the system. This behaviour may be expressed as functions or tasks or which system is required to perform.
   - Non - Functional Requirements
     - A non-functional requirement defines the quality attribute of a Model. They represent a set of standards used to judge the specific operation of a system. Example, how fast does the motor will run.
     - A non-functional requirement is essential to ensure the usability and effectiveness of the entire model. Failing to meet non-functional requirements can result in systems that fail to satisfy user needs.
     - Non-functional Requirements allows you to impose constraints or restrictions on the design of the system across the various agile backlogs. Example, output should toggle with 20ms time.