

Basic Flowchart Symbols in Software Development

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Start/End (Oval)

Indicates the beginning or end of a process. The start symbol marks the entry point of the flowchart, and the end symbol marks the exit point. Example: 'Start' or 'End.'

Process (Rectangle)

Represents a step in the process where an action is performed. Contains a specific operation or task to be carried out. Example: 'Add two numbers' or 'Print report.'

Decision (Diamond)

Represents a decision point in the process, leading to different branches based on the outcome. Contains a question or condition with two or more possible outcomes. Example: 'Is number > 10?' with 'Yes' and 'No' branches.

Input/Output (Parallelogram)

Represents data input or output in the process. Indicates the step where information is entered or displayed. Example: 'Enter username' or 'Display result.'

Preparation (Hexagon)

Represents a preparation or initialization step. Indicates a step that sets up conditions for further actions. Example: 'Initialize variables.'

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Predefined Process (Rectangle with Double Stripes)

Represents a named process that is defined elsewhere. Indicates a sub-process or a callable module. Example: 'Subroutine A' or 'Function B.'

Connector (Circle)

Connects different parts of the flowchart. Used to avoid crossing lines by providing a jump point. Example: 'Connector A.'

Flow Line (Arrow)

Indicates the direction of flow in the process. Shows the sequence of steps by connecting symbols. Example: An arrow pointing from 'Start' to 'Process 1.'

Document (Rectangle with Wavy Bottom)

Represents a document or report generated in the process. Indicates a step that produces a document. Example: 'Generate invoice.'

Manual Operation (Trapezoid)

Represents a step that is performed manually. Indicates a manual process or task. Example: 'Manually review application.'

Storage (Cylinder)

Represents data storage or a database. Indicates where data is stored during the process.

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Example: 'Save to database.'

Delay (Half Oval)

Represents a delay or waiting period in the process. Indicates a pause or delay in the flow.

Example: 'Wait for approval.'