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Flowchart: A Tool of Inquiry

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Flowchart is a Diagram, Thus We Love Flowchart!

What is a diagram?

A **diagram** is a

symbolic representation of information using visualization techniques.

(Wikipedia)

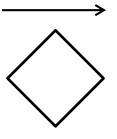A visual of meaningfully connected dots.

What is a Flowchart?

Flowchart is basically a pictorial or diagrammatic representation of an algorithm using standard symbols.

In other words, **flowchart** is a graphical representation that explains the sequence of operations to be performed in order to solve a problem under consideration.

Commonly Used Symbols in Flowchart
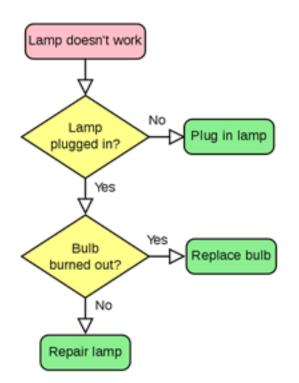
One step in the process. The step is written inside the box.

Direction of flow from one step or decision to another .
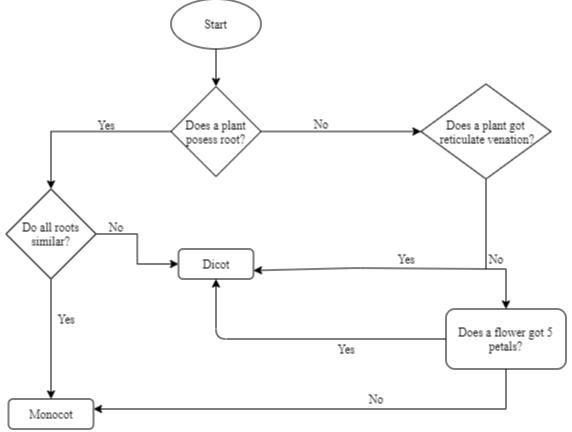
Decision based on a question.

Start/stop.

Simplest Flowchart
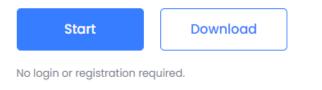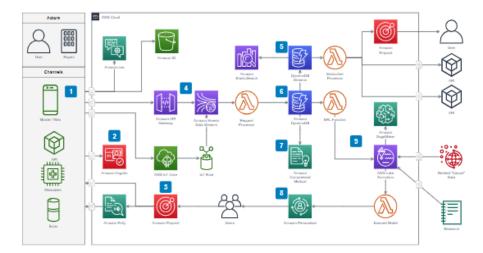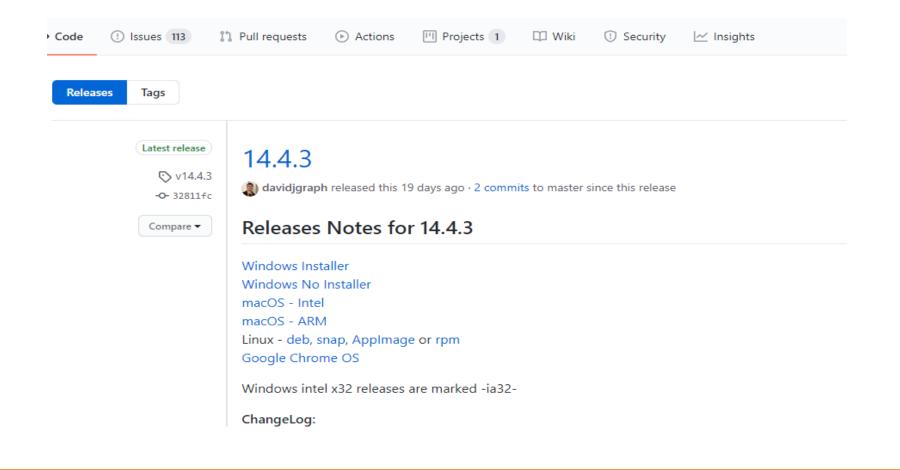
Domain Specific Flowchart

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14.4.3

davidjgraph released this 19 days ago · 2 commits to master since this release

Releases Notes for 14.4.3

Windows Installer
Windows No Installer
macOS - Intel
macOS - ARM
Linux - deb, snap, AppImage or rpm
Google Chrome OS

Windows intel x32 releases are marked -ia32-

ChangeLog:

Hands - on

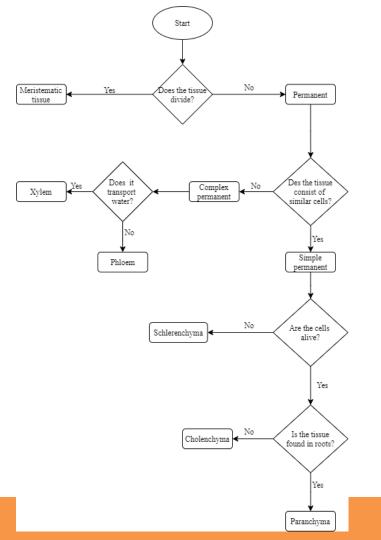# When to employ a Flowchart in Learning ecosystem?

To description the logical flow of the process

To discover the solution to the problem

To diagnose the learning weakness of a learner

Additional Flowchart

Advantages of Flowchart

1. **Effective Communication :** Better way of communicating the logic of the system.
2. **Effective Analysis :** Problem can be analyzed more efficiently.
3. **Easy Debugging and Testing:** Helps in debugging and testing process.
4. **Efficient Coding :** The flowcharts are very useful during program development phase.
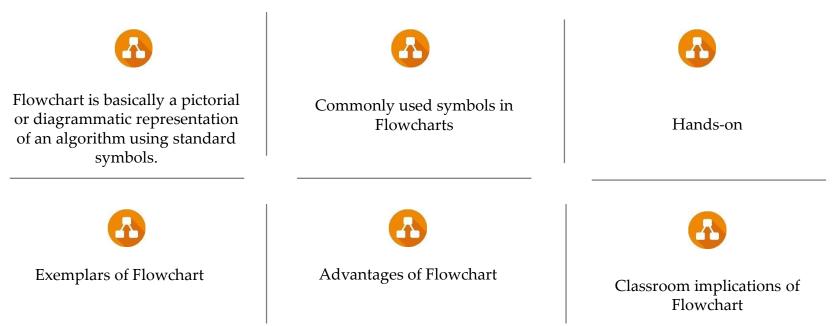5. **Proper Documentation :** Serves as a good program documentation, which is needed for various purpose.

Classroom Implications of Flowchart

1. Enhances executive thinking processes like critical thinking, metacognition and problem solving.

2. It fosters computational thinking & visual spatial intelligence .

3. Flowchart is special asset for newbie for programmers.

To Sum Up

At the end of the session we were able to

Flowchart is basically a pictorial or diagrammatic representation of an algorithm using standard symbols.

Commonly used symbols in Flowcharts

Hands-on

Exemplars of Flowchart

Advantages of Flowchart

Classroom implications of Flowchart

Flowcharts can vary from the extremely simple to the dazzlingly intricate depending on the complexity of the task and the abilities of the intended audience.

Floor Open for Discussion

Thank you!