

# Blackboard architectural pattern - used in NLU(Natural Language Understanding) and car recognition

Blackboard architectural pattern usually used in Artificial Intelligence Software to implement Non-Deterministic Algorithm.

In computer science, a Non-Deterministic Algorithm is an algorithm that, even for the same input, can exhibit different behaviors on different runs, as opposed to a Deterministic Algorithm.

**Gliffy Macro Error**

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The Blackboard pattern shows how a complex problem, such as image or speech recognition can be broken up into smaller, specialized subsystems that work together to solve a problem.