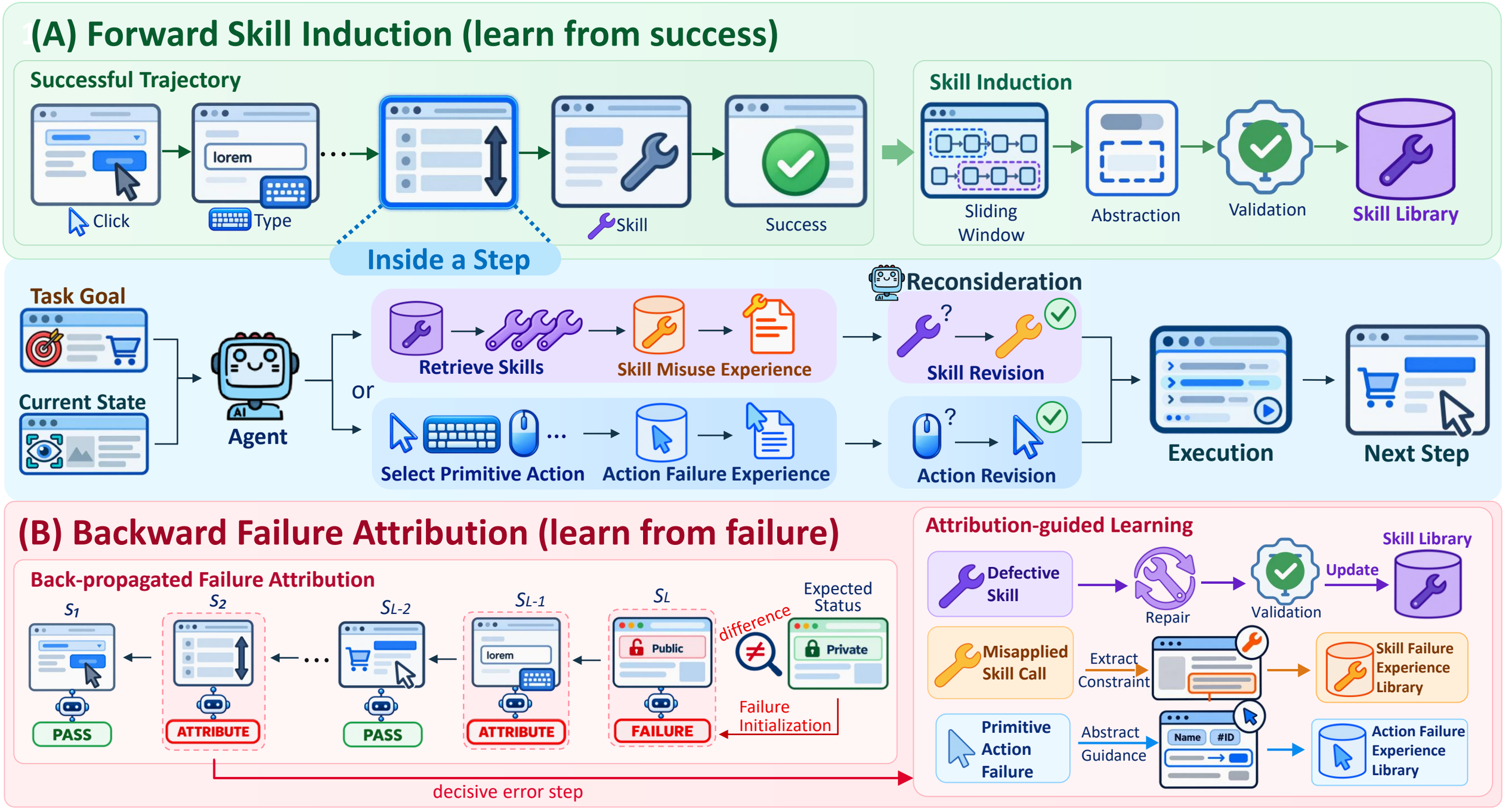

(A) Forward Skill Induction (learn from success)
Successful Trajectory
lorem
Click
Type
Skill
Success
Skill Induction
Sliding Window
Abstraction
Validation
Skill Library
Inside a Step
Task Goal
Current State
Agent
or
Retrieve Skills
Skill Misuse Experience
Select Primitive Action
Action Failure Experience
Reconsideration
Skill Revision
Action Revision
Execution
Next Step
(B) Backward Failure Attribution (learn from failure)
Back-propagated Failure Attribution
S_1
S_2
S_{L-2}
S_{L-1}
S_L
PASS
ATTRIBUTE
PASS
ATTRIBUTE
FAILURE
Public
lorem
difference
Expected Status
Private
Failure Initialization
decisive error step
Attribution-guided Learning
Defective Skill
Repair
Validation
Update
Skill Library
Misapplied Skill Call
Extract Constraint
Skill Failure Experience Library
Primitive Action Failure
Abstract Guidance
Name
#ID
Action Failure Experience Library