Sequence Diagram - Composite Command Execution

Shows how composite commands (multiple commands grouped together) are executed.

Participant	Action	Result
User	Execute composite command	"Turn on all lights"
App	new CompositeCommand()	Create composite
App	Add DeviceCommandExpression 1	"living room light", "ON"
App	Add DeviceCommandExpression 2	"bedroom light", "ON"
CompositeCommand	interpret(context)	Interpret all commands
CompositeCommand	Loop: interpret each command	Process each command
App	new CommandExecutorVisitor()	Create visitor
CommandExecutorVisitor	visit(compositeCommand)	Execute composite
CommandExecutorVisitor	Loop: visit each command	Execute each command
DeviceStateManager	Update state for each device	Update all devices
Repository	saveCommand() for each	Save all commands
CommandExecutorVisitor	Return ExecutionResult	All commands executed
App	Return success	All lights turned on