

Comprehensive Table of Errors in Algorand Python Smart Contract Execution

Category	Error Message
Attribute Errors	"BoxMap[String, VotingRound]" has no attribute "exists" "String" has no attribute "encode"
Name Errors	Name "gtxn" is not defined
Type System Errors	Expression has type "Any" "UInt64" not callable "Bytes" has no attribute "to uint64"
Argument Type Errors	Argument 1 to "join" has incompatible type "reversed[str]" Argument 1 to "join" has incompatible type "list[String]"
Logical Errors	assert not self.rounds.exists(vote_id) asset_transfer.xfer_asset == self.assetid.value
Transaction Errors	assert paymenttx.type_enum == 1 assert payment_tx.receiver == Txn.application_address
Unsupported Operations	Value of type Module is not indexable
Return Type Mismatch	Returning Any from function declared to return "Bytes"
Global/Local State Issues	GlobalState[Account] has no attribute "exists" Expression has type "Any" when accessing global state
Indexing & Boundaries Issues	Replace operation out of bounds (index + len(new_value) <= len(original))
Decorator & Function Typing Issues	Untyped decorator makes function untyped Function is untyped after decorator transformation
Incompatible Type Assignments	Incompatible types in assignment (Account vs. Bytes)
Operand Type Issues	Unsupported operand types for == (Account and Bytes)