

#	Issue (short)	Flagged by / Evidence	Orig. location (approx)	Fix applied	Result
1	Dangerous mutable default argument (logs=[])	Pylint W0102 (dangerous -default-value)	~line 8	Changed logs=[] to logs=None and if logs is None: logs = [] inside addItem	Fixed — removes shared mutable state and Pylint warning for this specific issue
2	RuntimeError or when qty is non-int (caused crash)	Runtime traceback when running python inventory_system.py (TypeError: unsupported operand type(s) for +: 'int' and 'str')	~line 11 (addItem usage)	Added basic validation/coercion (qty_int = int(qty) in try/except) and return on invalid qty	Fixed — prevents crash; invalid qtys are logged and ignored
3	Bare except (catch-all) in removeItem	Pylint W0702 and Bandit B110 (try/except/pass style)	~lines 18–20	Replaced bare except: with except KeyError: and except TypeError: and log warnings	Fixed — avoids catching unexpected exceptions and satisfies Bandit/Pylint intent
4	Insecure dynamic execution	Bandit B307 (eval used)	~line 59	Removed eval("print('eval	Fixed — removes the

	(Use of eval(...))			used'"); replaced with logging.info message	insecure call; Bandit should no longer flag B307
5	Top-level main() call executes on import (unsafe for static analysis / imports)	Observed runtime execution when tools/imported; general best practice	~line 61	Added if __name__ == "__main__": main() guard	Fixed — prevents accidental execution during imports/static analysis and is best practice