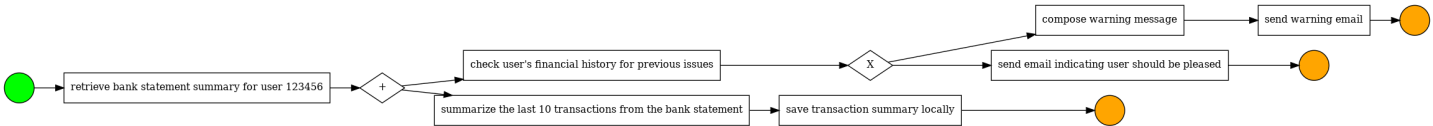


ID: bank\_check

**Textual Workflow Description:** Retrieve the bank statement summary for user 123456. Simultaneously, check the user's financial history for any previous issues. Summarize the last 10 transactions from the bank statement. If the user has had previous financial issues, compose a warning message and send it via email. If there are no previous issues, send an email indicating the user should be pleased. After summarizing the transactions, save the text locally.

Workflow Representation in BPMN and Text

Required iterations: 4



check user's financial history for previous issues -> EXCLUSIVE: previous financial issues?  
send warning email -> End  
send email indicating user should be pleased -> End  
EXCLUSIVE: previous financial issues? -> compose warning message [condition='user has previous issues']  
& send email indicating user should be pleased [condition='no previous issues']  
retrieve bank statement summary for user 123456 -> PARALLEL: 1  
PARALLEL: 1 -> check user's financial history for previous issues  
& summarize the last 10 transactions from the bank statement  
-> retrieve bank statement summary for user 123456  
save transaction summary locally -> End  
compose warning message -> send warning email  
summarize the last 10 transactions from the bank statement -> save transaction summary locally

Execution of the Workflow in Text

Process execution started  
Execution of task: retrieve bank statement summary for user 123456  
get\_banking\_account\_summary is selected with arguments: {'user\_id': 123456}  
Output of the function: {'userId': '123456', 'userEmail': 'test-user@web.de', 'bankStatement': {'balance': 150.75, 'transactions': [{'date': '2024-06-01', 'description': 'Grocery Store', 'amount': -50.25}, {'date': '2024-06-03', 'description': 'Salary', 'amount': 2000.0}, {'date': '2024-06-05', 'description': 'Electricity Bill', 'amount': -100.75}, {'date': '2024-06-07', 'description': 'Gas Station', 'amount': -40.0}, {'date': '2024-06-10', 'description': 'Gym Membership', 'amount': -30.0}, {'date': '2024-06-12', 'description': 'Dinner', 'amount': -60.0}, {'date': '2024-06-14', 'description': 'Rent', 'amount': -800.0}, {'date': '2024-06-16', 'description': 'Internet Bill', 'amount': -50.0}, {'date': '2024-06-18', 'description': 'Car Payment', 'amount': -250.0}, {'date': '2024-06-19', 'description': 'Medical Bill', 'amount': -100.0}], 'financialIssues': True}}  
Parallelity started  
Execution of task: check user's financial history for previous issues  
get\_credit\_score is selected with arguments: {'user\_id': 123456}  
Output of the function: {'status': 'success', 'data': {'customer\_id': 123456, 'credit\_score': {'score': 764, 'score\_range': {'min': 300, 'max': 850}, 'risk\_level': 'low', 'last\_updated': '2024-07-03T10:15:30Z'}, 'customer\_details': {'first\_name': 'John', 'last\_name': 'Doe', 'email': 'john.doe@example.com'}, 'metadata': {'request\_id': 'abc123xyz', 'timestamp': '2024-07-03T10:20:00Z'}}}  
Execution of exclusive gateway: EXCLUSIVE: previous financial issues?  
Condition is selected: no previous issues  
Execution of task: send email indicating user should be pleased  
send\_email\_to is selected with arguments: {'recipient': 'john.doe@example.com', 'content': 'User with customer ID 123456 has had previous financial issues. Review the summarized last 10 transactions for more details.', 'subject': 'Financial Summary and Warning'}  
Output of the function: {'status': 'Successfully sent email'}  
Process execution ended  
Execution of task: summarize the last 10 transactions from the bank statement  
get\_banking\_account\_summary is selected with arguments: {'user\_id': 123456}  
Output of the function: {'userId': '123456', 'userEmail': 'test-user@web.de', 'bankStatement': {'balance': 150.75, 'transactions': [{'date': '2024-06-01', 'description': 'Grocery Store', 'amount': -50.25}, {'date': '2024-06-03', 'description': 'Salary', 'amount': 2000.0}, {'date': '2024-06-05', 'description': 'Electricity Bill', 'amount': -100.75}, {'date': '2024-06-07', 'description': 'Gas Station', 'amount': -40.0}, {'date': '2024-06-10', 'description': 'Gym Membership', 'amount': -30.0}, {'date': '2024-06-12', 'description': 'Dinner', 'amount': -60.0}, {'date': '2024-06-14', 'description': 'Rent', 'amount': -800.0}, {'date': '2024-06-16', 'description': 'Internet Bill', 'amount': -50.0}, {'date': '2024-06-18', 'description': 'Car Payment', 'amount': -250.0}, {'date': '2024-06-19', 'description': 'Medical Bill', 'amount': -100.0}], 'financialIssues': True}}  
Execution of task: save transaction summary locally  
store\_text\_to\_disc is selected with arguments: {'content': 'Balance: 150.75\nTransactions:\n1. Date: 2024-06-01, Description: Grocery Store, Amount: -50.25\n2. Date: 2024-06-03, Description: Salary, Amount: 2000.0\n3. Date: 2024-06-05, Description: Electricity Bill, Amount: -100.75\n4. Date: 2024-06-07, Description: Gas Station, Amount: -40.0\n5. Date: 2024-06-10, Description: Gym Membership, Amount: -30.0\n6. Date: 2024-06-12, Description: Dinner, Amount: -60.0\n7. Date: 2024-06-14, Description: Rent, Amount: -800.0\n8. Date: 2024-06-16, Description: Internet Bill, Amount: -50.0\n9. Date: 2024-06-18, Description: Car Payment, Amount: -250.0\n10. Date: 2024-06-19, Description: Medical Bill, Amount: -100.0', 'file\_name': 'bank\_statement\_summary.txt'}

Output of the function: None  
Process execution ended  
Parallelity ended