

BNML Process Definition for Loan Application

Each process step is represented as a BNML block:

- `<task id="register" type="manual">Register Application</task>`
- `<task id="print" type="manual">Print pink flower-scented Paper</task>`
- `<task id="placePaper" type="automated">Place pink flower-scented Paper in Room</task>`
- `<task id="clone" type="automated">Clone Data</task>`
- `<task id="checkHistory" type="automated">Check History</task>`
- `<task id="checkWealthStatus" type="automated">Check the wealth Status</task>`
- `<task id="findPotentialPartner" type="manual">Find a potential colleague as Partner</task>`
- `<task id="checkForm" type="manual">Check Form</task>`
- `<task id="checkFunds" type="automated">Check Funds</task>`
- `<task id="checkInternalRisk" type="manual">Check the bank's internal Risk</task>`
- `<task id="informCustomer" type="automated">Inform Customer</task>`
- `<task id="waitForReply" type="wait">Wait for Reply</task>`
- `<task id="sendRejection" type="automated">Send Rejection</task>`
- `<task id="sendApproval" type="manual">Send Approval</task>`

Business Rules:

- History check fails if `creditScore > 600`
- Funds check fails if `availableBalance < (2*requestedAmount)`
- Wait for Reply leads to automatically approval if waiting time `> 10 years`
- Approval requires not all checks to pass
- Rejection requires all checks to pass