BIBLIOGRAPHY


151


[175] S.B. Navathe, A. Tanaka, S. Chakravarthy, Active Database Modeling and Design Tools: Issues, Approach and Architecture, In Special Issue on Active


160


### Rule Creation Interface Screen

**Rule Maintenance**

- **Rule Number**: 1
- **Rule Name**: R1
- **Rule ON**: T
- **Coupling Mode**: Insert
- **Priority**: 1

```sql
start, process if
2
login
user, "user1"
and
```

**Save**
A2. Rule editing interface screen
A3. Rule deletion interface screen
A4. Rule definition view screen
A5. Conflict triggered rules waiting for scheduling
DEVELOPMENT OF AN EFFECTIVE RULE SCHEDULER FOR MULTIPLE TRIGGERED RULES IN ACTIVE OBJECT-RELATIONAL DATABASE SYSTEMS

RULE SCHEDULING

MULTIPLE TRIGGERED RULES SCHEDULING BASED ON PRIORITY AND COUPLING MODE

<table>
<thead>
<tr>
<th>Rule name</th>
<th>Rule on</th>
<th>Rule priority</th>
<th>Coupling mode</th>
<th>Error</th>
<th>Execution mode</th>
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A6. Scheduled rules for execution
### Rule Creation Interface Screen for Bank Loan System

**Rule 1**: Loan Issue

**Rule Description**

```plaintext
when procedure Pt
where event = Pt
then
end.
```

**Priority**: 1

---

**B1. Rule creation interface screen for bank loan system**
B2. Rule definition view screen for bank loan system
B3. Multiple rules triggered by an insert event of bank loan-sanction process
B4. Scheduled rules for execution in bank loan-sanction process
**Table data state of loan-sanction process before trigger processing**

<table>
<thead>
<tr>
<th>Account</th>
<th>Name</th>
<th>Amount</th>
<th>Address</th>
<th>Mobile_no</th>
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<tr>
<td>1763966</td>
<td>RVeta</td>
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<table>
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**Notes:**

- B5. Table data state of loan-sanction process before trigger processing.
**B6. Table data state of loan-sanction process after completion of trigger processing**

<table>
<thead>
<tr>
<th>Account</th>
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**TABLE STATE AFTER TRIGGER BASED**

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**CUSTOMER ACCOUNT TABLE**

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**LOAN ACCOUNT TABLE**

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**LOAN STATUS**

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**LOAN SANCTIONED**

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**INVOICE**

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**B6. Table data state of loan-sanction process after completion of trigger processing**