|  |  |  |
| --- | --- | --- |
| Reverse Engineering | Step | Time |
| Parser source-code | X |
| Parser Embedded SQL | Y |
| Create JavaModel | X |
| Create SQLModel | Y |
| JavaModel\_2\_KDMSource | X |
| SQLModel\_2\_KDMData | X |
| TOTAL Phase | X |
| Reestructuring | Step | Time |
| Create Entities | X |
| Apply Facede Pattern | X |
| Create WebService | X |
| Create Configuration Files | X |
| TOTAL Phase | X |
| Forward Engineering | Step | Time |
| KDM\_2\_UML | X |
| UML\_2\_JavaModel | X |
| UML\_2\_RestModel | X |
| Generate Source-Code | Y |
| TOTAL Phase | X |
| TOTAL Modernization | | XXXXX |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| SQL Statements | Identified Statement (IS) | Created relevant Service | Created non-relevant Service | Non-Created relevant Service | PRECISION | RECALL |
| Select | 382 | 67 |  |  |  |  |
| Update | 83 | 40 |  |  |  |  |
| Delete | 33 | 20 |  |  |  |  |
| Insert | 37 | 28 |  |  |  |  |
| Total | 535 |  |  |  |  |  |
| Mean | 133.75 |  |  |  |  |  |