## Case Study # 01: Batch Payroll Application

| **Functional Requirements** | **Non-Functional Requirements** |
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| 1. Calculate and process payments for hourly, salaried, and commission-based employees. | 1. The system must process payroll operations once every working day. |
| 2. Record and use timecards for hourly employees and calculate overtime correctly. | 2. The system should ensure high accuracy in payroll calculations (e.g., ±0.01%). |
| 3. Handle submission and processing of sales receipts for commission-based employees. | 3. System should be available 99.9% during business hours. |
| 4. Deduct union dues and service charges from union members’ paychecks automatically. | 4. The system must ensure data security for personal and financial employee details. |
| 5. Support multiple payment methods: mail, pickup, and direct deposit. | 5. Payroll reports and pay generation should complete within 5 minutes per run. |