**Use case: Calculate Salesperson commission**

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| **Use Case Name**: Calculate Salesperson commission | **ID**: 04 | **Importance Level**: High |
| **Primary Actor**: Sales Manager | **Use Case Type**: Brief, Essential | |
| **Stakeholders and Interests:**   * According to the sales records, the system calculates the weekly commission pay and sends over to the Sales manager for approval. * Sales manager approves individual sales person’s weekly commission. * Commission will be added to the sales person’s final pay check by the accounting department. | | |
| **Brief Description:** This use case explains the process of calculating a sales person’s commission weekly by the system. The commission is calculated by the system as a percentage of total sales done by a sales person for the week. The commission should be approved by the Sales manager. | | |
| **Trigger:** The system calculates the total sales commission by each sales person at the end of the week.  **Type:** Temporal | | |
| **Relationships:**  **Association:** Sales person, Accountant  **Include:**  **Exclude:**  **Generalization:** | | |
| **Basic Flow of Events:**   1. The system records data from weekly sales history for each sales person 2. The system calculates sales person commission based on their sales as a percentage 3. Sales manager inspects the sales commission report and approves it. 4. Approval is received by the accounting department and added to the pay check. | | |
| **Sub Flows:**  **S-1:** The sales person commission strategy and the percentage is determined by the sales manager. Any changes in strategy should be authorized by sales manager. | | |
| **Alternative/Exceptional Flow:**   * If system is down or data is corrupted, the sales person can submit a record of transactions manually and sale manager can add them to the system. | | |

Activity Diagram

Commission strategy set by sales manager

System records the data from sales history

Calculate the sales commission by the system

The commission amount is added to the sales person’s pay check by the accountant department

Approved by Sales manager

Approved by Accountant

Denied

Denied

Sales person re-submit Sales history for approval