

# CIS360 Exercise: Activity Diagram

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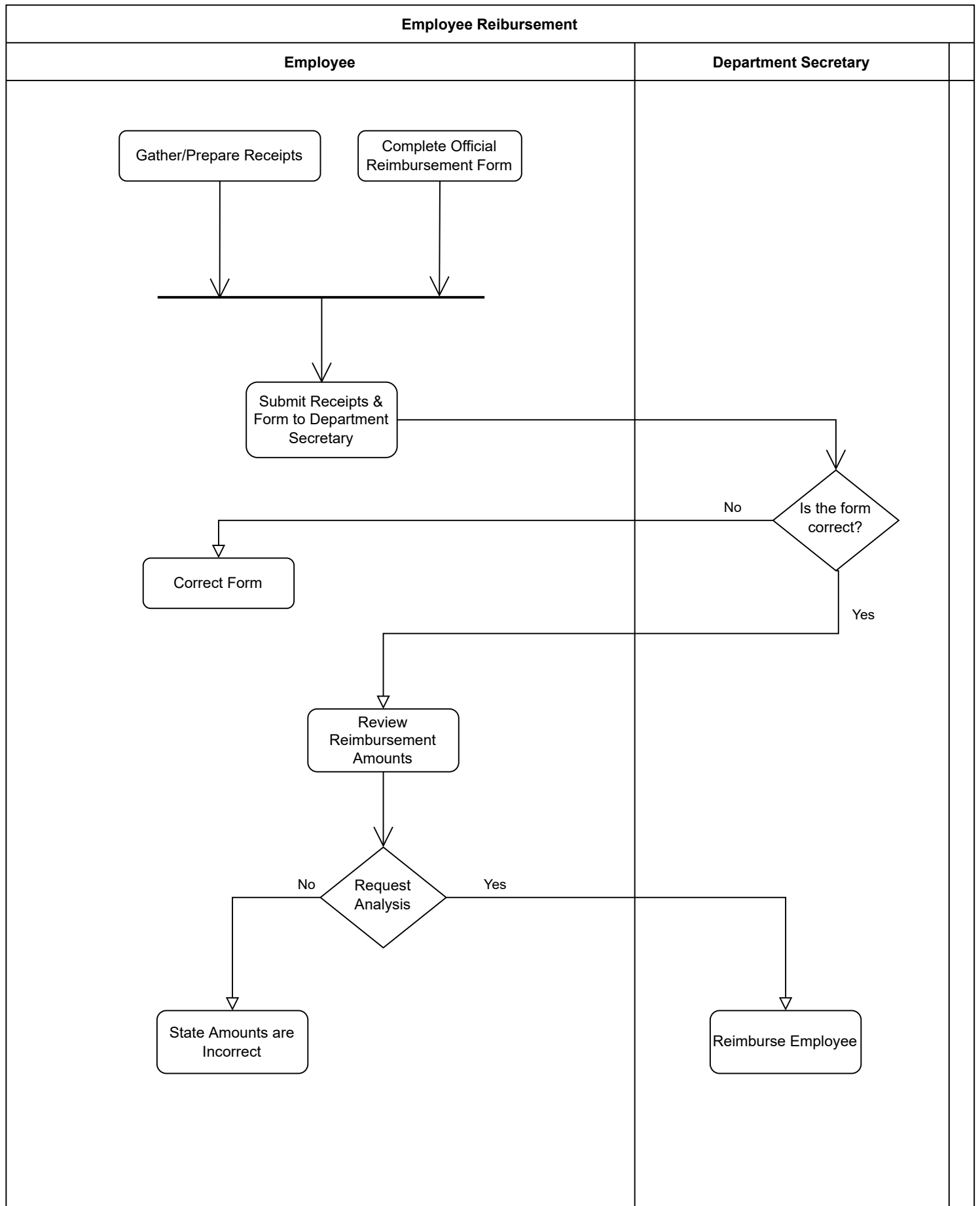
Exercise 1: True/False (based on the *Withdraw Cash* Activity for an ATM Machine)

DONE IN CLASS

Exercise 2: Draw an activity diagram that models the following employee reimbursement process.

Employees of West Nile Valley University have to follow a specific procedure to get reimbursed for travel they undertake on behalf of the university. First, they have to gather and prepare all of the receipts the university requires for reimbursement. At the same time, they complete the official reimbursement form. They then submit both the receipts and the form to their departmental secretary. If something on the form is incorrect, the secretary returns the form to the employee for correction. If the form is correct, the employee is asked to review the reimbursement amounts, which are determined by an analysis of the reimbursement request. If the amount shown is not correct, the employee must indicate that this is the case. If the amount shown is correct, then the employee's responsibilities for reimbursement are complete.

## Activity Diagram: Exercise 2



Exercise 3: Draw an activity diagram that models the reimbursement process described below. Use one swimlane for each of the three actors in the process.

The travel reimbursement process for employees of West Nile Valley University involves three different actors: the employee, the employee's departmental secretary, and the treasurer's office. First, the employee has to gather and prepare all of the receipts the university requires for reimbursement. At the same time, she completes the official reimbursement form. She then submits both the receipts and the form to the departmental secretary. If something on the form is incorrect, the secretary returns the form to the employee for correction. If the form is correct, the secretary prepares a form required by the university. That form is then submitted to the treasurer's office. The treasurer's office then enters the amount to be reimbursed into the university's system. The employee is then asked to review the reimbursement amounts. If the amount shown is not correct, the employee must indicate that this is the case. If the amount shown is correct, then the treasurer's office sends the reimbursement to the employee's bank, completing the process.

# Activity Diagram: Exercise 3

