SUMMARY	
ID	UC-10
Name	Print Comparative Annual Report (PDF)
Goal	To generate an annual comparative vacation report by department, optionally including employee details.
Actors	HR, Managers, General Management

TRIGGERS	
Trigger	User defines filters (Department, Start Date, End Date, Details flag) and clicks [Print Comparative Report] button.

PRE-CONDITIONS	
1	User has valid access rights to reporting functionality.
2	Department and employee vacation data must exist in the system.

BASIC FLOW (MAIN SUCCESS SCENARIO)

#	Actor Action	System Response
1	User opens the Comparative Annual Report screen (print layout).	System displays report filters: Department(s), Date Range, Details flag.
2	User selects Department(s) and optional filters (Start Date, End Date, Details flag).	System accepts entered filter inputs (no validation required for Start vs End date).
3	User clicks [Print Comparative Report].	System retrieves aggregated data grouped by Department.
4	System generates a PDF including Department Name, Total Annual Vacation Days, Remaining Balance.	If Details flag = true, employee names are listed under each Department.
5	System appends standard footer info on each page (Print Time, Page Number, Printed By).	System outputs PDF for user to download/print.

BUSINESS VALIDATION RULES

Rule ID	Description	Condition	Message ID
BV-1002	At least one Department must be selected or 'All Departments' chosen.	If Department field is empty	MSG-1002
BV-1003	Footer elements must appear on every page of the PDF.	If footer missing	MSG-902

EXCEPTIONS (ERROR CONDITIONS)

ID	At Step	Issue	Resolution
EX-1	Step 2	No Department selected.	System blocks action and shows MSG-1002.
EX-2	Step 4	Report generation fails due to missing/invalid data.	System shows MSG-902.

POST-CONDITIONS

1	System generates the Comparative Annual Report PDF.
2	Report contains department totals and balances, with optional employee details.
3	Standard footer is included on all pages.

NOTES

Note	The report period is derived from the entered Start Date and End Date; typically the calendar year.
Note	If Start Date is after End Date, the system does not raise a validation error; it simply returns an empty result set.
Note	Employee details appear only when the 'Details flag' is checked by the user.
Note	The data dictionary for this report defines fields Department, Total Days, Balance, Employee Name (optional), Period, and Footer Info.