1. Model the workflow behaviour of the whole system using a UML activity diagram, by utilizing swimlanes.

Activity Diagram

Admin	Recruiter	Candidate	Employee	Supervisor
Add Company Information	Post Job Ad	Apply for Job	View Salary Details	Investigate Tardiness
Add Employee Details	Schedule Interviews	Accept or Reject Job Offer	View Holiday List	Issue resolved
Manage Leave Requests	Conduct Interviews	Offer job accepted?	Submit Leave Request	Communicate with Employee
Approve Leave Request?	Offer Job Position		Check Leave Status	Review Employee History
Add Public Holidays	Complete Onboarding			Mark Employee on Probation
Process Payroll				Issue resolved?
Onboard New Employee				Restore Employee Status
Terminate Employee				