

11.3 Expected Persistent Class Sizes

Table	Attributes	Attribute type	Data size(Bytes)	Total
Employee	*EmpID ⁱ	INT	4	341
	supervisorID	INT	4	
	givenName	VARCHAR(70)	72	
	familyName	VARCHAR(70)	72	
	birthDate	DATE	3	
	email	VARCHAR(50)	52	
	username	VARCHAR(20)	22	
	password	VARCHAR(8)	10	
	prefPosition	VARCHAR(45)	47	
	prefLocation	VARCHAR(45)	47	
	plevel	INT	4	
	active	BOOLEAN	1	
	lastLogin	DATE	3	

Table	Attributes	Attribute type	Data size(Bytes)	Total
Schedule	*schedID	INT	4	14
	startDate	DATE	3	
	endDate	DATE	3	
	creatorID	INT	4	

Table	Attributes	Attribute type	Data size(Bytes)	Total
PermissionSet	*plevel	INT	4	29
	canReadSched	BOOLEAN	1	
	canReadOldSched	BOOLEAN	1	
	canEditSched	BOOLEAN	1	
	canViewResources	BOOLEAN	1	
	canChangePermissions	BOOLEAN	1	
	canReadLogs	BOOLEAN	1	
	canAccessReports	BOOLEAN	1	
	canRequestDayesOff	BOOLEAN	1	
	maxDaysOff	INT	4	
	canTakeVacations	BOOLEAN	1	
	maxVacationDays	INT	4	
	canTakeEmergencyDays	BOOLEAN	1	
	canViewInactiveEmps	BOOLEAN	1	
	canSendNotifications	BOOLEAN	1	