

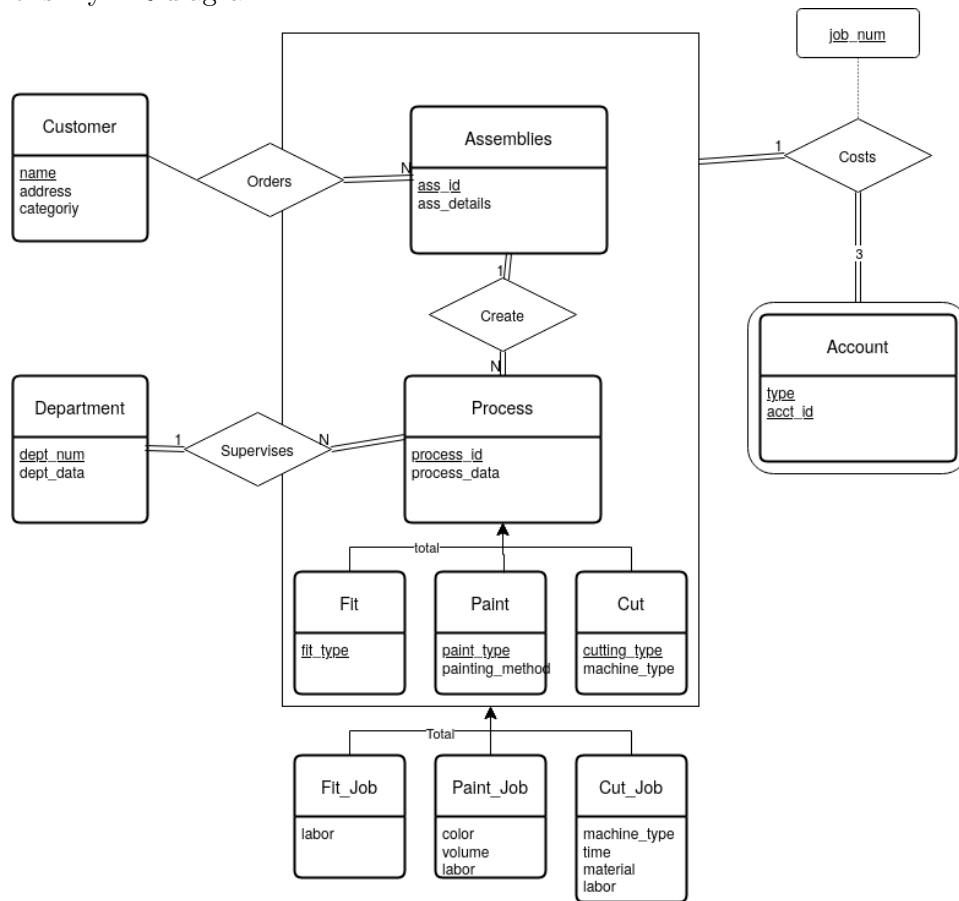
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SCORE:

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1 ER Diagram

Here is my ER diagram



2 Relational Database Schema

Here are my schema:

Process(process_id,process_data)
Assemblies(ass_id,ass_details)
Create(process_id,ass_id)
Customer(name,address, category)
Orders(name,ass_id)
Department(dept_num,dept_data)
Supervises(dept_num,process_id)
Fit(process_id, fit_type)
Paint(process_id, paint_type, painting_method)
Cut(process_id,cutting_type, machine_type)
Account(type, acct_id)
Job(process_id, ass_id, job_num)
Account(type, acct_id)
Costs(job_num,type, acct_id,process_id, ass_id)
Fit_Job(process_id, ass_id, job_num, labor)
Paint_Job(process_id, ass_id, job_num,color,volume, labor)
Cut_Job(process_id, ass_id, job_num, machine_type, time, material, labor)

3 Storage

Table Name	Query Number and Type	Search Key	Query Frequency	Selected File Organization	Justification
Customer	1 Insertion	name	30/Day	Heap on name	At the moment adding lots of data is easiest with a heap. I reserve the right to change this if we need to look for customers often...