

IT Management Database Project Presentation

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Problem Statement/Application Scenario

A web-application supported by a database server to allow an IT department at a mid-sized company to keep track of employee information and IT resources throughout the company. It tracks contact and department information, computer hardware and software assignment, network file permissions, and hardware warranty information. This allows the IT department to support the company employees effectively and quickly.

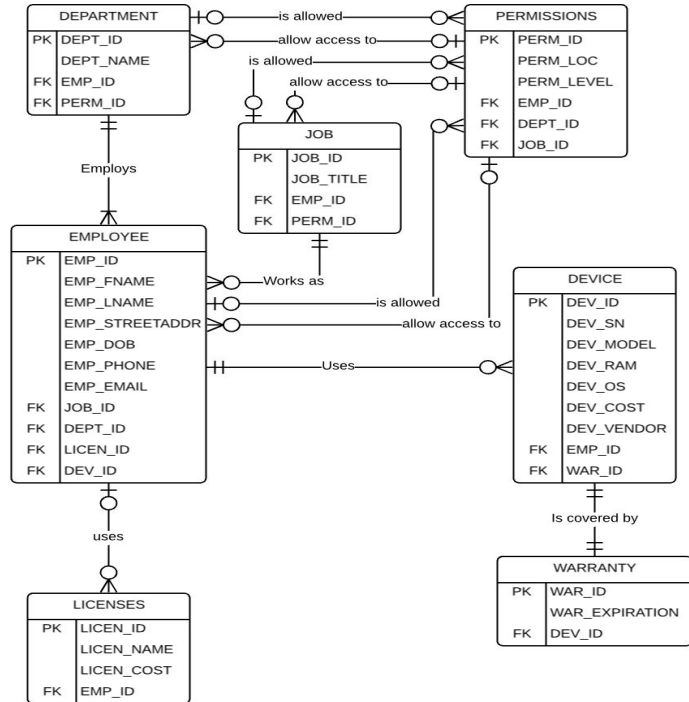


Functional Requirements

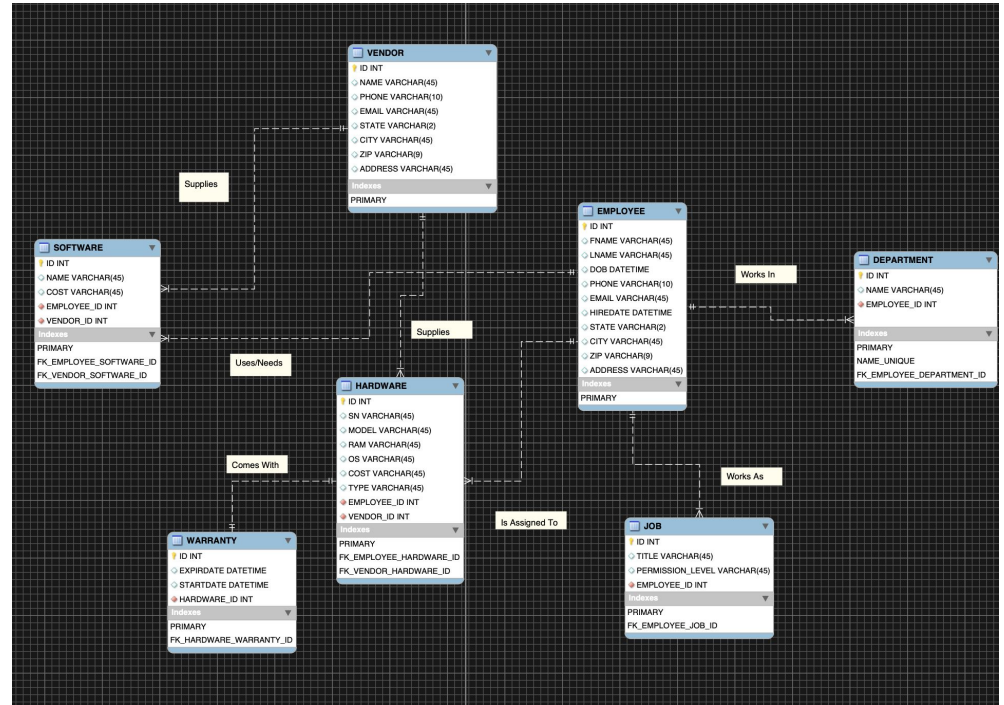
- System should allow for searching employees by name.
 - I/P: EMP_FNAME
 - Tables Involved: EMPLOYEE
 - Processing Done: Scan the EMPLOYEE Table in order to extract the matching rows where the attribute for either EMP_FNAME match the input provided by the user
- System should allow users with the ability to Insert, Update, and Delete any information.
 - I/P: INSERT, DELETE, UPDATE tablename_attribute
 - Tables Involved: TABLENAME
 - Processing Done: Depending on the query being performed we can scan through the Tables and perform action.
- Data entry requirements ensure that employees' information is complete.
 - I/P: EMP_FNAME, EMP_LNAME, EMP_DOB, EMP_HIREDATE, EMP_EMAIL, EMP_ADDRESS, EMP_PHONE, EMP_ID, JOB_ID, DEPT_ID, DEV_ID, LICEN_ID
 - Tables Involved: EMPLOYEE
 - Processing Done: Scanning the EMPLOYEE Table to ensure the inputs/necessary fields are NOT NULL

ER Diagrams

Original



Implemented





Tools, Frameworks, and Technologies

- Originally used PHPMyAdmin with XAMPP server
- NetBeans
- MySQL Workbench
- Java
- Github