Project Phase 1

Database Design

Names:   
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**Entities(Attributes):**

* Division(divisionID, dName)
* Departments (depName, budget)
* Projects (projectNum, proj\_budget, start\_date, end\_date)
* Employee (employeeNum, eName, curr\_Project, title, officeNum, phoneNum)
* Buildings (code, bName, yearOfPurchase, costOfPushcase)
* Rooms(roomNumber, room\_type)
* Phone(phoneNum)
* Office (officeNum, areaInSquFt)
* Record(eID, role, startDate, salaryReceived)

**Relationships:**

* Has Departments (between Divison and Departments) (1 to many)
* Has Projects (between Department and projects) (1 to many)
* Has Rooms (between Department and Rooms) (1 to many)
* Works for Department (between Department and employee) (many to 1)
* Works for Division (between Division and employee) (many to 1)
* Has Head(Leads) for Divison (between Division and Employee) (1 to 1)

Picked from Department

* Has Head(Leads) for Department (between Department and Employee) (1 to 1)
* Working on project (between Project and Employee) (many to 1)
* Worked on project (between Project and Employee) (many to many)

Tracking attributes (totalTimeSpent, role)

* Manages project (between Project and Employee) (1 to many)
* Belongs to an office (between office and employee) (1 to many)
* Has a phone (between phone and employee) (1 to 1)
* Has record (between Record and Employee) (many to 1)
* Located In (between phone and office) (many to 1)
* Is a (between room and office) (1 to 1)

**ER Diagram:**

**Diagram

Description automatically generated**