

1. What are the various features you would like your project to offer?

I am going to create an expense log database that will track expenses for a company. I would like to be able to post, get, pull/patch, delete any expenses that occur by employee id, dept, GL account, or amount.

2. What are the API endpoints that you would need to set up for each feature? List them along with the respective HTTP verb, endpoint URL, and any special details (query parameters, request bodies, headers).

I will set up endpoints for employees, department, expense, and GL account. There will be get, post, delete, pull/patch methods for each endpoint path.

Employees – use ID or amount

Department – use ID or amount

Expense – use ID, amount, department, or GL account

GL Account – use ID, account No, or account name to access expense, dept, or employee connected

3. Provide a description of the database tables required for your application, including column names, data types, constraints, and foreign keys. Include your database name. You can optionally include an ER diagram.

Please see below to database table list and ER diagram.

Table	Columns	Database Type	Constraints	Foreign Keys
Employee	ID	Serial	ID primary key	Expense ID, GL account ID, Dept ID
	Username	Text		
	Password	Text		
	Charge type	Text		
Expense	ID	Serial	ID primary key	Employee ID, Dept ID, GL Account ID
	Date	Datetime		
	Amount	Integer		
	Attachment	File Image?		
	Notes	Text		
Department	ID	Serial	ID primary key	Employee ID, GL Account ID, Expense ID
	Name	Text		
GL Account	ID	Serial	ID primary key	Employee ID, Expense ID, Dept ID
	Account No.	Integer		
	Account Name	Text		
	Pie Chart	File Image?		

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