

Scoping Task

I'm assuming there is table in your project database for company profile, where it consists only a single email address. Now we need to change that to fulfill the requirement so companies can add multiple email addresses. That to be successful we need a new table for company email, there will be a one-to-many relationship between company table and company_email table.

company 1 <-> M company_email

also, every company email will need to have an attribute **type** which will accept different values for types of communication (**marketing, billing, etc...**).

After creating the new table and relationship, we'll need to migrate the emails from the company table to company_email table and because those emails didn't have a defined type, we'll have a default value for type, ex. **universal**.

For a better picture, the new table company_email will look something like this:

company_email	
PK	<u>id</u>
FK	<u>company_id</u>
VARCHAR (255)	email
VARCHAR (50)	type
TIMESTAMP	created_at

Next, we'll need to update the API, where we'll have new endpoints:

- Fetch all company emails
- Create a new email
- Update an existing email
- Delete an existing email

We'll need to add validation to these endpoints:

- Make emails unique within a company
- Only predefined values for type are acceptable (ex. **marketing, billing, etc...**)

Next, we'll need to update the UI where we'll have a list of company emails, option to add a new email, as well as updating and deleting existing emails.

Something optional that can be added is email verification for more reliability and security. Without verification the email can't be used in communication in your system.

Lastly, when the feature is finished, all users can be informed via their universal, or default email, that the new feature for adding multiple emails for various types of conversations is finished and ready for use.