

### Changes Made in the Enhanced Entity-Relationship Model

1. Attributes names that didn't match with the SRS document were modified.

*Enclosure: 1. EER Diagram by Team Pineapple*

*2. Revised EER Diagram by Team Abraca-data*

### Enhanced Entity Relationship Diagram to Relational Model

#### Step 01

team_members	funders	products	accounts
<b>roll_number</b> int	<b>roll_number</b> int	<b>product_id</b> varchar	<b>date</b> date
name varchar	name varchar	product_category varchar	expected_revenue int
batch varchar	batch varchar	product_name varchar	actual_revenue int
email varchar	email varchar	product_mrp float	net_profit int
contact_number int	contact_number int		
departments varchar	total_fundings int		
roles varchar			

# Data and Applications

## Normalization of Enhanced Entity Relationship Diagram

### Step 02

team_members		
<b>roll_number</b>	int	
name	varchar	
batch	varchar	
email	varchar	
contact_number	int	
departments	varchar	
roles	varchar	

funders		
<b>roll_number</b>	int	
name	varchar	
batch	varchar	
email	varchar	
contact_number	int	
total_fundings	int	

fundings		
<b>roll_number</b>	int	
<b>date</b>	datetime	
amount	int	
mode	varchar	
transaction_id	varchar	

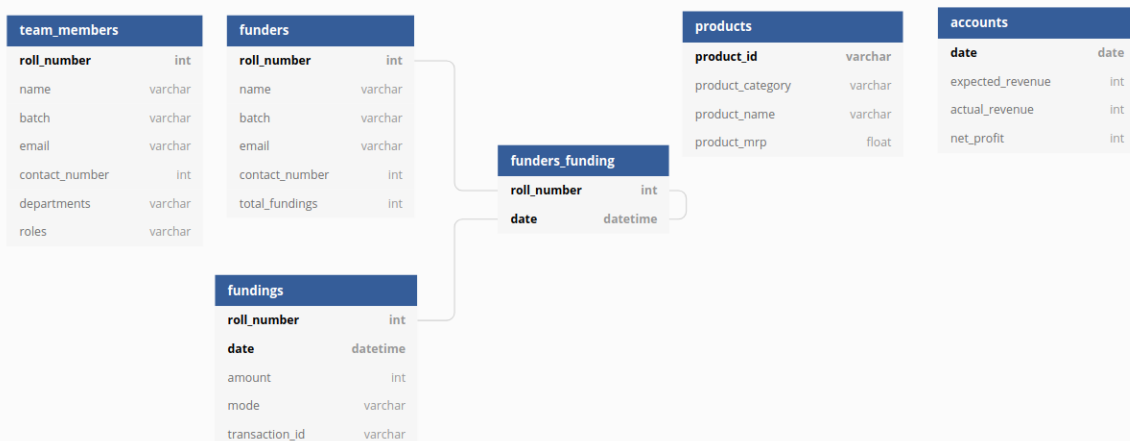
  

accounts		
<b>date</b>	date	
expected_revenue	int	
actual_revenue	int	
net_profit	int	

products		
<b>product_id</b>	varchar	
product_category	varchar	
product_name	varchar	
product_mrp	float	

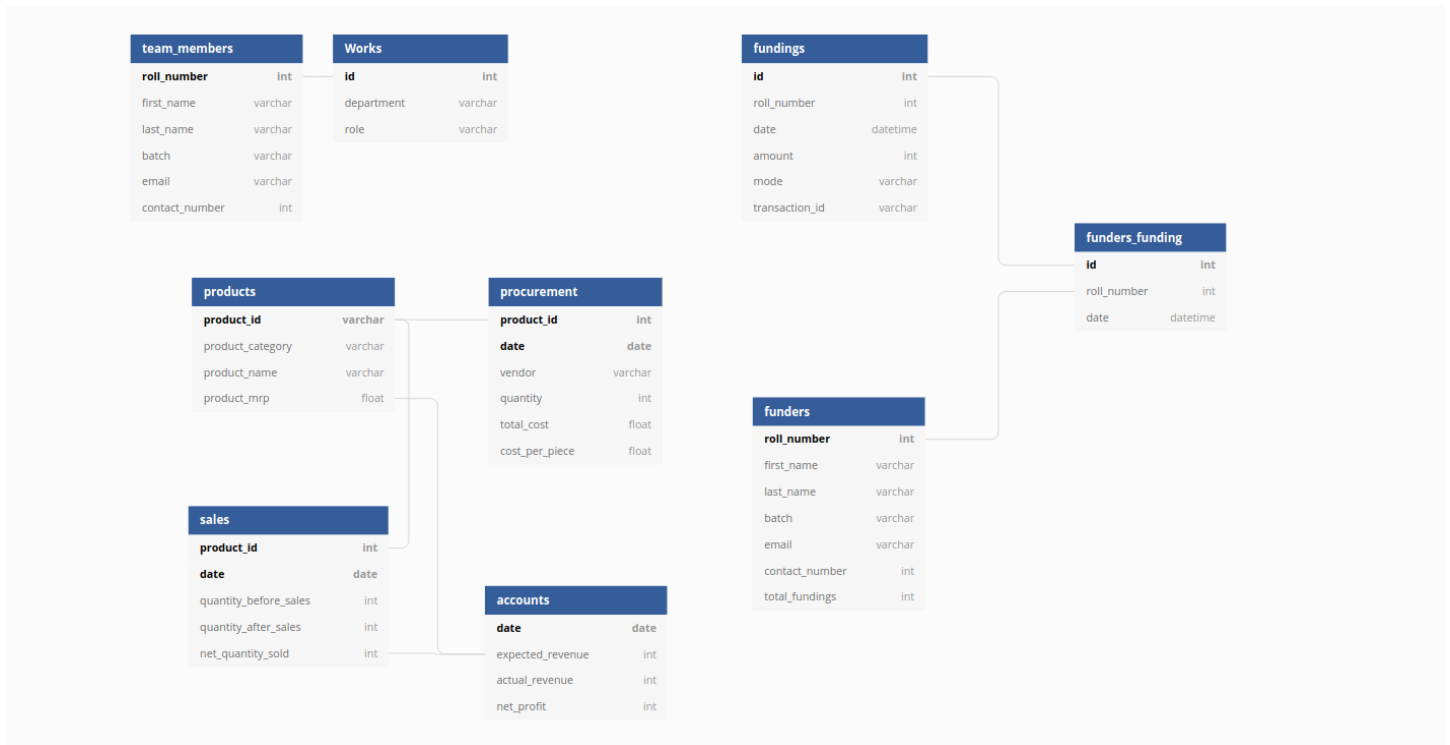
### Step 05 (Steps 03, 04 are not applicable)



# Data and Applications

## Normalization of Enhanced Entity Relationship Diagram

### Step 08 (Step 07 is not applicable)



We have obtained the unnormalized relationship model.

Reference:

*Fundamentals of Database Systems, 7th Edition*

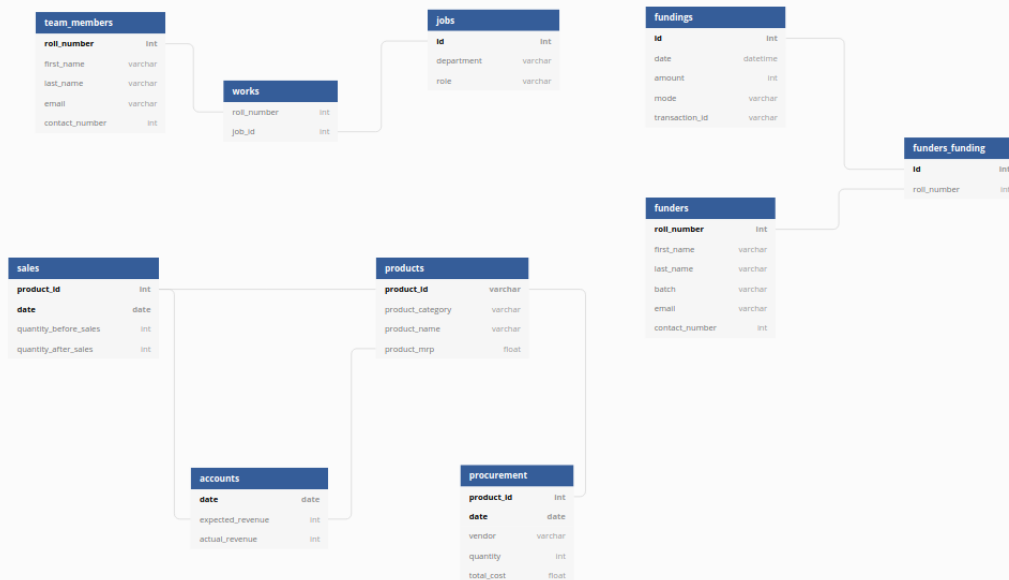
Ramez Elmasri, University of Texas at Arlington

Shamkant B. Navathe, University of Texas at Arlington

## Normalization of the Relational Model

### Link of Normalized Model

<https://dbdiagram.io/d/5dbd920eedf08a25543d6de3>



### Example Relation Tuples

#### Team Members

2018111020 Naren Akash R J [naren.akash@research.iiit.ac.in](mailto:naren.akash@research.iiit.ac.in) 6383701983

#### Works

2018111020 01

#### Jobs

01 Finance Overall Head

#### Funders

2018111001 Srinath Nair [srinath.nair@research.iiit.ac.in](mailto:srinath.nair@research.iiit.ac.in) 8765789678

#### Funders-Fundings

01 2018111020

#### Fundings

01 Nov. 02, 2019 21:50 1500 Cash NULL

#### Products

01 Chips Lays Small 20

#### Procurement

01 Nov. 02, 2019 Star Hyper market 20 350

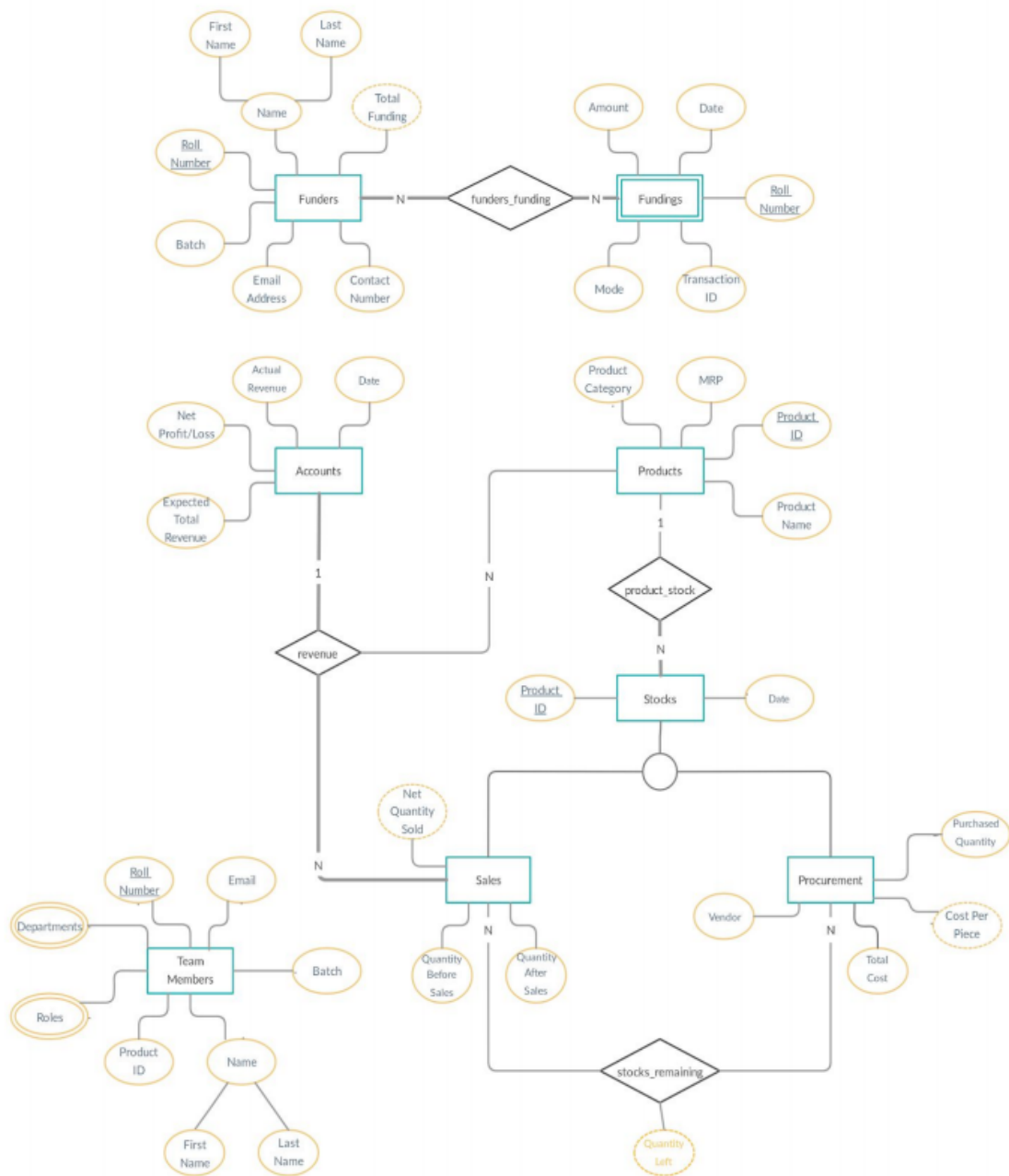
#### Sales

01 Nov. 02, 2019 10 08 02

#### Accounts

Nov. 02, 2019 400 160

### Appendix A: EER Model by Team Pineapple



### Appendix B: Updated EER Model by Team Abraca-data

