

addresses			
Field	Data Type	Description	Example Data
id (PK)	INTEGER	The ID for this table (Required; auto-increment)	2
customer_id (FK)	INTEGER	The ID of the customer associated with address	42
is_billing	BOOLEAN	True if address is a billing address. Default: false	TRUE
recipient*	STRING	The name associated w/ an address for shipping purposes.	'Ed Gruberman'
street_1*	STRING	The primary street and number associated with this address	'10 Downing Street'
street_2	STRING	A secondary street and number associated with this address	'Suite #101'
city	STRING	The name of the city associated with this address	Pittsburgh
state	STRING	The state abbreviation associated with this address	WV, PA
zip*	STRING	The zip code associated with this address	'03431', '15213'
active	BOOLEAN	true if active; false otherwise; should default to active	TRUE

customers			
Field	Data Type	Description	Example Data
id (PK)	INTEGER	The ID for this table (Required; auto-increment)	2
first_name*	STRING	The first name of the customer	'Ed'
last_name*	STRING	The last name of the customer	'Gruberman'
email*	STRING	The email of the customer	<a href="mailto:dusty@cmu.edu">dusty@cmu.edu</a> ; <a href="mailto:ed@example.com">ed@example.com</a>
phone	STRING	The phone number of the customer	412-268-8211; (412) 268-2323
user_id (FK)	INTEGER	The ID of the user associated with customer	42
active	BOOLEAN	true if active; false otherwise; should default to active	TRUE

\* Indicates a non-key attribute that is required. All primary and foreign keys are required.

employees			
Field	Data Type	Description	Example Data
id (PK)	INTEGER	The ID for this table (Required; auto-increment)	2
first_name*	STRING	The first name of the employee	'Ed'
last_name*	STRING	The last name of the employee	'Gruberman'
ssn*	STRING	The Social Security Number of the employee	<a href="mailto:dusty@cmu.edu">dusty@cmu.edu</a> ; <a href="mailto:ed@example.com">ed@example.com</a>
date_hired*	DATE	The date when the employee was hired at RDP	2024-01-31
date_terminated	DATE	The date when the employee ceased to work at RDP	2025-02-14; <i>NULL</i>
user_id (FK)	INTEGER	The ID of the user associated with employee	42
active	BOOLEAN	true if active; false otherwise; should default to active	TRUE

item_prices			
Field	Data Type	Description	Example Data
id (PK)	INTEGER	The ID for this table (Required; auto-increment)	2
item_id (FK)	INTEGER	The ID of the item associated with the price	42
price*	FLOAT	The price associated with the item at this time	7.95; 8.50
start_date*	DATE	The start of the period when the price is valid	2025-01-03
end_date	DATE	The end of the period when the price is valid	2025-02-04; <i>NULL</i>

items			
Field	Data Type	Description	Example Data
id (PK)	INTEGER	The ID for this table (Required; auto-increment)	2
name*	STRING	The name of the item	'Honey Wheat Bread'
description	TEXT	A description of the item for promotional purposes	'Everyone agrees: the best bread ever!'
category*	INTEGER	Enum >> breads: 1, muffins: 2, pastries: 3	3
units_per_item*	INTEGER	The number of units the item comes in; 1 loaf; 12 muffins	12
weight*	FLOAT	The weight of the item in pounds; used for shipping costs	1.1; 0.8
active	BOOLEAN	true if active; false otherwise; should default to active	TRUE

order_items			
Field	Data Type	Description	Example Data
id (PK)	INTEGER	The ID for this table (required; auto-increment)	2
order_id (FK)	INTEGER	The ID of the order associated with the order_item	42
item_id (FK)	INTEGER	The ID of the item associated with the order_item	43
quantity*	INTEGER	The quantity of a particular item that was part of the order	2
shipped_on	DATE	The date the item was actually shipped to the customer	2019-01-05

orders			
Field	Data Type	Description	Example Data
id (PK)	INTEGER	The ID for this table (Required; auto-increment)	2
customer_id (FK)	INTEGER	The ID of the customer associated with order	57
address_id (FK)	INTEGER	The ID of the address associated with order	21
date	DATE	The date the order was placed by the customer	2019-02-03
grand_total	FLOAT	The total cost of all items in the order as well as shipping cost	22.50; 6.27
payment_receipt	STRING	A base64 encoded string with key information encoded	cGF5bWVudF9...

users			
Field	Data Type	Description	Example Data
id (PK)	INTEGER	The ID for this table (required; auto-increment)	31
username*	STRING	User's email address; must be unique b/c used for login	mheimann
password_digest	STRING	An encrypted hash of the user's password	\$2a\$10\$LBzumTN
role*	INTEGER	Enum >> customer: 1, baker: 2, shipper: 3, manager: 4	1
active	BOOLEAN	true if active; false otherwise; should default to active	TRUE