

Home Page

Whuz Cooking App

What do you feel like eating/preparing?

Search for Recipe...

Search

Submit

Choices:

☐ Pizza

☐ Hamburger

☒ Tacos

Submit

Minimum Viable Product (MVP)

- Pre-determined, limited choices

Icebox

- Searching (database or API)

Item Ingredients Page

Whuz Cooking App

Tacos Ingredients:

+

Cheese

+

Tomatoes

+

Hamburger Meat

+

Sauce/Seasoning

+

Tortillas

Submit

Minimum Viable Product (MVP)

- Pre-determined, limited ingredients
- Can only add them to the shopping list

Icebox

- Modify ingredients (add new, update/ delete existing)
- Create new Tacos with different ingredients

Item Shopping List

Whuz Cooking App

Tacos Shopping List:

✓

X

Tomatoes

✓

X

Tortillas

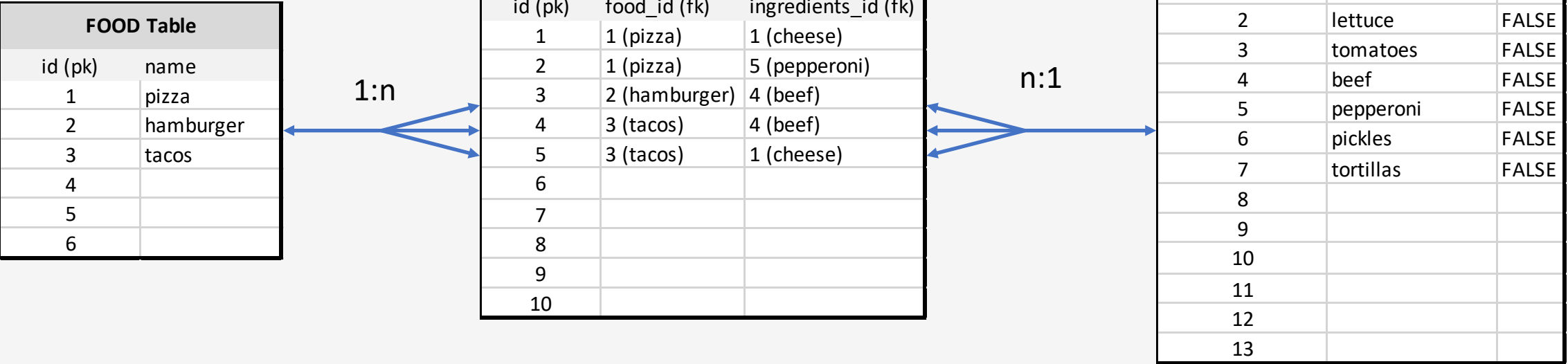
Minimum Viable Product (MVP)

- Limited interaction (mark task as completed, maybe remove/delete)

Icebox

- Add new items (not related to Tacos?)
- Edit existing items (related to Tacos?)

Many to Many Relationship (n:n)



```
-- Many 2 Many Join...
• SELECT
    FOOD_INGREDIENTS.id AS "food_ingredients:id",
    FOOD.id AS "food:id", FOOD.name,
    INGREDIENTS.id AS "ingredients:id", INGREDIENTS.name
FROM FOOD, INGREDIENTS, FOOD_INGREDIENTS
WHERE FOOD.id = FOOD_INGREDIENTS.food_id
AND INGREDIENTS.id = FOOD_INGREDIENTS.ingredients_id;
-- AND food.id = 3; -- comment in/out for "tacos"
```

Result Grid

food_ingredients:id	food:id	name	ingredients:id	name
1	1	pizza	1	cheese
2	1	pizza	5	pepperoni
4	2	hamburger	4	beef
6	3	tacos	4	beef
7	3	tacos	1	cheese

What's Cooking' App

What do you feel like eating/preparing?

Search for Recipe...

Search

Submit

Choices:

☐ Pizza

☐ Hamburger

☒ Tacos

Submit

```
SELECT * FROM food ORDER BY name ASC;
```

Result Grid	
id	name
2	hamburger
1	pizza
3	tacos
NULL	NULL

Then, “On Submit” -> send id=“3” to the next query...

Item Ingredients Page

What's Cooking' App

Tacos Ingredients:

+

Cheese

+

Tomatoes

+

Hamburger Meat

+

Sauce/Seasoning

+

Tortillas

Submit

```
SELECT ingredients.id ingredients.name
FROM food, ingredients, food_ingredients
WHERE food.id = 3
AND food.id = food_ingredients.food_id
AND ingredients.id = food_ingredients.ingredients_id;
```

Result Grid		
	id	name
▶	4	beef
	1	cheese

Then set the data attribute value of the page elements to the id value from the database query above.

Then, “On Click” -> push each id to an array/object... [4,1] = (beef, cheese) or (tomatoes, tortillas).

Then, “On Submit” -> send array/object to the next query...

Item Shopping List

What's Cooking' App

Tacos Shopping List:

✓

X

Tomatoes

✓

X

Tortillas

SELECT * FROM ingredients WHERE id IN (4,1) ORDER BY name ASC;

Result Grid			
	id	name	shop
▶	4	beef	0
	1	cheese	0
	NULL	NULL	NULL

Then set the data attribute value of the page elements to the id value from the query above.

Then, “On Click” -> update the database table...

✓ = UPDATE ingredients SET shop = true WHERE id IN (4,1) ORDER BY name ASC;
X = UPDATE ingredients SET shop = false WHERE id IN (4,1) ORDER BY name ASC;

Result Grid			
	id	name	shop
▶	4	beef	1
	1	cheese	1
	NULL	NULL	NULL

Then show/hide on the page however you like....