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-- =====  
-- RECEPTÁR VEGÁNSKYCH JEDÁL - kompletná schéma + dáta  
-- =====
```

```
-- --- ČÍSELNÍKY -----
```

```
CREATE TABLE units (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(30) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
INSERT INTO units (name) VALUES  
( 'g' ),  
( 'ks' ),  
( 'ml' ),  
( 'lyžica' ),  
( 'lyžička' );
```

```
CREATE TABLE ingredient_categories (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(80) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
INSERT INTO ingredient_categories (name) VALUES  
( 'Strukoviny' ),  
( 'Zelenina' ),  
( 'Ovocie' ),  
( 'Obilniny a múky' ),  
( 'Koreniny a bylinky' ),  
( 'Oleje a tuky' ),  
( 'Rastlinné mlieka a smotany' );
```

```
CREATE TABLE nutrition_types (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(80) NOT NULL,  
    unit VARCHAR(20)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
INSERT INTO nutrition_types (name, unit) VALUES  
( 'Kalórie', 'kcal' ),  
( 'Bielkoviny', 'g' ),  
( 'Sacharidy', 'g' ),  
( 'Tuky', 'g' ),  
( 'Vláknina', 'g' );
```

```
CREATE TABLE categories (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(80) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
INSERT INTO categories (name) VALUES  
( 'Raňajky' ),  
( 'Desiata' ),  
( 'Obed' ),
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('Večera'),  
( 'Dezert'),  
( 'Slávnostný chod'),  
( 'Nápoj');
```

-- -- ENTITY -----

```
CREATE TABLE users (  
  id          INT AUTO_INCREMENT PRIMARY KEY,  
  name       VARCHAR(100) NOT NULL,  
  email      VARCHAR(150) NOT NULL UNIQUE,  
  password   VARCHAR(255) NOT NULL,  
  created    TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
INSERT INTO users (id, name, email, password)  
VALUES (1, 'admin', 'admin@localhost', 'zatiaľ_nepouzivame');
```

```
CREATE TABLE ingredients (  
  id          INT AUTO_INCREMENT PRIMARY KEY,  
  name       VARCHAR(100) NOT NULL,  
  unit_id    INT NOT NULL,  
  category_id INT NOT NULL,  
  FOREIGN KEY (unit_id) REFERENCES units(id),  
  FOREIGN KEY (category_id) REFERENCES ingredient_categories(id)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
INSERT INTO ingredients (name, unit_id, category_id) VALUES  
( 'Tofu',           1, 1), -- g,      Strukoviny  
( 'Čícer',          1, 1), -- g,      Strukoviny  
( 'Šošovica červená', 1, 1), -- g,      Strukoviny  
( 'Mrkva',          1, 2), -- g,      Zelenina  
( 'Špenát',         1, 2), -- g,      Zelenina  
( 'Cibuľa',         2, 2), -- ks,     Zelenina  
( 'Cesnak',         2, 2), -- ks,     Zelenina  
( 'Banán',          2, 3), -- ks,     Ovocie  
( 'Kokosové mlieko', 3, 7), -- ml,     Rastlinné mlieka  
( 'Olivový olej',   3, 6), -- ml,     Oleje a tuky  
( 'Kurkuma',         4, 5), -- lyžica, Koreniny  
( 'Ovsené vločky',   1, 4); -- g,      Obilniny
```

```
CREATE TABLE recipes (  
  id          INT AUTO_INCREMENT PRIMARY KEY,  
  title       VARCHAR(200) NOT NULL,  
  description TEXT,  
  instructions TEXT,  
  user_id     INT NOT NULL DEFAULT 1,  
  created     TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
  FOREIGN KEY (user_id) REFERENCES users(id)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
INSERT INTO recipes (title, description, instructions, user_id) VALUES  
(  
  'Vegánska šošovicová polievka',  
  'Hustá a sýta polievka plná bielkovín.',  
  '1. Opraž cibuľu a cesnak na olivovom oleji. 2. Pridaj mrkvu a restuj 3 minúty. 3. Pridaj šošovicu, kokosové mlieko a 500ml vody. 4. Var 20 minút, dochuť kurkumou.',  

```

```
1
),
(
  'Tofu s mrkvou a špenátom',
  'Rýchly a výživný hlavný chod.',
  '1. Nakrájaj tofu na kocky a opraž dozlatista. 2. Pridaj mrkvu a špenát. 3. Dochut
cesnakom a kurkumou.',
1
),
(
  'Overnight oats s banánom',
  'Zdravé raňajky bez varenia.',
  '1. Zmiešaj ovsené vločky s kokosovým mliekom. 2. Nechaj cez noc v chladničke. 3.
Ráno nakrájaj banán a polož navrch.',
1
);
```

-- --- M:N PIVOT TABULKY -----

```
CREATE TABLE recipe_categories (
  recipe_id INT NOT NULL,
  category_id INT NOT NULL,
  PRIMARY KEY (recipe_id, category_id),
  FOREIGN KEY (recipe_id) REFERENCES recipes(id),
  FOREIGN KEY (category_id) REFERENCES categories(id)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO recipe_categories (recipe_id, category_id) VALUES
(1, 3), -- polievka → Obed
(1, 4), -- polievka → Večera
(2, 3), -- tofu → Obed
(2, 4), -- tofu → Večera
(3, 1), -- oats → Raňajky
(3, 2); -- oats → Desiata
```

```
CREATE TABLE ingredient_nutrition (
  ingredient_id INT NOT NULL,
  nutrition_type_id INT NOT NULL,
  value DECIMAL(8,2) NOT NULL,
  PRIMARY KEY (ingredient_id, nutrition_type_id),
  FOREIGN KEY (ingredient_id) REFERENCES ingredients(id),
  FOREIGN KEY (nutrition_type_id) REFERENCES nutrition_types(id)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO ingredient_nutrition (ingredient_id, nutrition_type_id, value) VALUES
-- Tofu (id=1)
(1, 1, 76.00), -- kalórie
(1, 2, 8.00), -- bielkoviny
(1, 3, 1.90), -- sacharidy
(1, 4, 4.80), -- tuky
(1, 5, 0.30), -- vláknina
-- Cicer (id=2)
(2, 1, 364.00), -- kalórie
(2, 2, 19.00), -- bielkoviny
(2, 3, 61.00), -- sacharidy
(2, 4, 6.00), -- tuky
(2, 5, 17.00); -- vláknina
```

```
-----  
CREATE TABLE recipe_ingredients (  
  recipe_id      INT NOT NULL,  
  ingredient_id INT NOT NULL,  
  amount        DECIMAL(8,2),  
  PRIMARY KEY (recipe_id, ingredient_id),  
  FOREIGN KEY (recipe_id) REFERENCES recipes(id),  
  FOREIGN KEY (ingredient_id) REFERENCES ingredients(id)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;  
  
INSERT INTO recipe_ingredients (recipe_id, ingredient_id, amount) VALUES  
-- Šošovicová polievka (id=1)  
(1, 3, 200.00), -- šošovica      200g  
(1, 4, 150.00), -- mrkva      150g  
(1, 6, 1.00),  -- cibuľa     1ks  
(1, 7, 2.00),  -- cesnak     2ks  
(1, 9, 200.00), -- kokosové mlieko 200ml  
(1, 10, 2.00), -- olivový olej  2ml  
(1, 11, 1.00), -- kurkuma     1 lyžica  
-- Tofu s mrkvou (id=2)  
(2, 1, 250.00), -- tofu      250g  
(2, 4, 100.00), -- mrkva     100g  
(2, 5, 80.00),  -- špenát    80g  
(2, 7, 1.00),  -- cesnak    1ks  
(2, 11, 0.50), -- kurkuma   0.5 lyžice  
-- Overnight oats (id=3)  
(3, 12, 80.00), -- ovsené vločky 80g  
(3, 8, 1.00),   -- banán      1ks  
(3, 9, 150.00); -- kokosové mlieko 150ml
```