












What to Eat - Free Food Discovery Wheel

A fun, interactive web app that helps you decide what to eat by spinning a colorful food wheel and discovering nearby restaurants - completely **FREE** with no API costs!

Features

-  **Interactive Spinning Wheel** with 12 food categories
-  **Location-Based Restaurant Discovery** using OpenStreetMap
-  **Real-Time Restaurant Data** from Overpass API (free!)
-  **Google Maps Integration** for directions
-  **Mobile Responsive Design**
-  **Beautiful Animations & Effects**
-  **Works Worldwide** - no regional restrictions

Why This is 100% Free

-  **No paid APIs** - uses free OpenStreetMap Overpass API
-  **No backend server** - runs entirely in browser
-  **No registration** - deploy on GitHub Pages for free
-  **No usage limits** - unlike Google Places API

Quick Start

1. Clone this repository

```
bash

git clone https://github.com/yourusername/what-to-eat.git
cd what-to-eat
```

2. Enable GitHub Pages

- Go to your repo settings
- Scroll to "Pages" section
- Set source to "Deploy from a branch"
- Select "main" branch and "/" (root)"

3. Access your app

- Visit <https://yourusername.github.io/what-to-eat>
- Allow location access for best results

Project Structure

what-to-eat/

```
|— index.html      # Main HTML structure
|— style.css       # All styling and animations
|— spinner.js      # Wheel spinning logic
|— app.js          # Main app logic & API calls
|— README.md       # This documentation
```

How It Works

1. Wheel Spin

- Canvas-based spinning wheel with 12 food categories
- Smooth animations with CSS transforms
- Random selection with realistic physics

2. Location Detection

- Browser's Geolocation API gets user coordinates
- OpenStreetMap Nominatim API converts to city name
- Falls back to Kuala Lumpur if location unavailable

3. Restaurant Discovery

- Uses **Overpass API** (OpenStreetMap's query service)
- Searches for restaurants within 2km radius
- Filters by food category, cuisine, and restaurant names
- Sorts results by distance

4. Results Display

- Shows restaurant cards with name, cuisine, distance
- Click to open in Google Maps for directions
- Displays opening hours when available

Customization

Add More Food Categories

Edit the `foodOptions` array in `spinner.js`:

javascript

```
{ name: 'Tacos', emoji: 🌮, color: '#ff6b35', query: 'tacos' }
```

Modify Search Radius

Change `searchRadius` in `app.js`:

javascript

```
this.searchRadius = 5000; // 5km radius
```

Update Styling

Modify colors and animations in `style.css`:

css

```
.spin-button {  
  background: linear-gradient(45deg, #your-color1, #your-color2);  
}
```

API Details

OpenStreetMap Overpass API

- **Endpoint:** ``https://overpass-api.de/api/`