# **PantryShare Frontend Style Guide**

This document outlines the visual and technical standards to build a cohesive, accessible, and delightful frontend for PantryShare.

## **1. Brand Identity**

* **Mission**: Rescue surplus food, reduce waste, and feed those in need.
* **Voice & Tone**: Friendly, supportive, clear — emphasize community, impact, and urgency.

## **2. Logo & Branding**

* **Logo Variations**: Full-color primary, white-on-accent, monochrome.
* **Clear Space**: Maintain at least 40px (2× base spacing) around logo.
* **Minimum Size**: 32px height for icons; 120px width for full logo.

## **3. Color Palette**

|  |  |  |  |
| --- | --- | --- | --- |
| **Role** | **Hex** | **RGB** | **Usage** |
| **Primary** | #4CAF50 | 76, 175, 80 | Buttons, links, highlights |
| **Secondary** | #FF9800 | 255, 152, 0 | Accent elements, badges |
| **Neutral 800** | #333333 | 51, 51, 51 | Headings, primary text |
| **Neutral 600** | #757575 | 117, 117, 117 | Body text, subtitles |
| **Neutral 300** | #E0E0E0 | 224, 224, 224 | Borders, dividers |
| **Success** | #8BC34A | 139, 195, 74 | Success alerts, badges |
| **Warning** | #FFC107 | 255, 193, 7 | Warning alerts |
| **Error** | #F44336 | 244, 67, 54 | Error states, negative alerts |

* **Usage Rules**: Primary used for CTAs; secondary for secondary actions and info; neutrals for text and backgrounds.

## **4. Typography**

* **Font Families**:
  + **Headings**: Inter, sans-serif;
  + **Body**: Roboto, sans-serif.
* **Scale**:
  + H1 – 48px / 600;
  + H2 – 36px / 500;
  + H3 – 24px / 500;
  + Body – 16px / 400;
  + Small – 14px / 400.
* **Line Heights**: 1.4 for headings; 1.6 for body.
* **Letter Spacing**: 0.5px for headings; normal for body.

## **5. Iconography**

* **Style**: Outline, minimal, 24×24px grid.
* **Library**: Material Icons or Font Awesome Pro.
* **Usage**: Pair icons with labels; use aria-hidden where appropriate; provide alt text.

## **6. Imagery & Illustration**

* **Photos**: Light, natural lighting; authentic scenes of volunteers, food, community.
* **Illustrations**: Flat, two-tone line art in brand colors.
* **Overlays**: Use semi-transparent dark overlay (rgba(0,0,0,0.3)) for text readability.

## **7. Layout & Grid**

* **Grid System**: 12-column responsive grid.
* **Breakpoints**:
  + xs < 600px;
  + sm 600 – 960px;
  + md 960 – 1280px;
  + lg 1280 – 1920px;
  + xl > 1920px.
* **Containers**:
  + Max-width: sm = 600px, md = 960px, lg = 1280px.
* **Gutters**: 16px between columns.

## **8. Spacing System**

* **Base Unit**: 8px.
* **Multiples**:
  + xs = 4px;
  + sm = 8px;
  + md = 16px;
  + lg = 24px;
  + xl = 32px.
* **Margin & Padding**: Use multiples of base unit only.

## **9. UI Components**

### **Buttons**

* **Variants**: Primary (filled), Secondary (outlined), Text (ghost).
* **States**: Default, hover, active, disabled.
* **Sizes**: sm (32px height), md (40px), lg (48px).

### **Forms & Inputs**

* **Fields**: Label above input; placeholder text optional.
* **States**: Default, focus (outline in primary), error (border in error color + message), disabled.
* **Validation**: Real-time on blur.

### **Cards**

* **Elevation**: 1dp (box-shadow: 0 1px 3px rgba(0,0,0,0.1)).
* **Padding**: 16px internal.
* **Thumbnail**: 120×80px aspect ratio.

### **Map & Pins**

* **Pin Color**: Primary for listings; secondary for volunteers.
* **Info Popover**: White background, shadow, 8px padding.

### **Notifications & Alerts**

* **Toast**: Top-right, auto-dismiss after 4s.
* **Banner**: Inline, full-width, closeable.

### **Navigation**

* **Header**: Sticky top, logo left, nav links right.
* **Mobile Nav**: Hamburger → drawer from left.
* **Breadcrumbs**: 8px gutter between items.

## **10. Interaction & Motion**

* **Durations**: Short = 150ms; Medium = 300ms.
* **Easing**: ease-in-out.
* **Hover Effects**: Elevate (translateY(-2px)) and deepen shadow.
* **Focus Ring**: 3px solid primary on focusable elements.

## **11. Accessibility**

* **Contrast**: WCAG AA (4.5:1 for normal text, 3:1 for large text).
* **Keyboard**: All interactive elements focusable; logical tab order.
* **ARIA**: Use roles, labels, and live regions for dynamic content.
* **Alt Text**: All meaningful images.

## **12. Responsive Design**

* **Mobile First**: Build for small screens, then enhance.
* **Touch Targets**: Minimum 44×44px tap area.
* **Fluid Media**: Images & videos max-width 100%.

## **13. Code & Asset Guidelines**

* **Framework**: React (with hooks) or Vue 3 Composition API.
* **CSS**: Tailwind CSS with design tokens or CSS Modules.
* **Naming**: BEM-like (.ps-Button--primary).
* **Icons**: SVG sprites or inline <svg>.
* **Storybook**: Document every component.

## **14. Versioning & Collaboration**

* **Git Branches**: feature/, bugfix/, hotfix/ prefixes.
* **Commits**: Conventional Commits (feat:, fix:, chore:).
* **Pull Requests**: Include screenshots, description, related issue.

## **15. Resources & Tools**

* **Design Files**: Figma URL (TBD).
* **Code Sandbox**: Storybook live preview.
* **Documentation**: README with setup and component guide.