

STAR Community App - Design Specification

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1. Design Overview

1.1 Design Principles

Community-First Design

- Emphasize local connections and community identity
- Use warm, approachable visual language
- Highlight community impact and shared goals

Accessibility & Inclusion

- Design for varying digital literacy levels
- Ensure high contrast and readable text
- Support multiple languages and cultural contexts

Trust & Security

- Use visual cues to communicate security and reliability
- Clear information hierarchy for financial transactions
- Transparent communication about processes and fees

Simplicity & Clarity

- Minimize cognitive load with clean, uncluttered interfaces
- Use familiar patterns and intuitive navigation
- Progressive disclosure of complex features

1.2 Target Users & Context

Primary Users:

- Residents (diverse age groups, varying tech literacy)
- Service Providers (small business owners, informal workers)
- Agents (community members, varying tech skills)
- Cause Champions (community leaders)

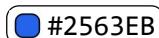
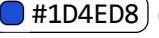
Usage Context:

- Primarily mobile-first (smartphones)
- Often used in low-bandwidth environments
- Multi-language support required
- Varying lighting conditions (outdoor/indoor use)

2. Design System & Style Guide

2.1 Color Palette

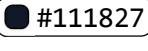
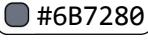
Primary Colors

- **Primary Blue:**  #2563EB (rgb(37, 99, 235))
 - Used for primary actions, navigation, and key interactive elements
- **Primary Blue Light:**  #3B82F6 (rgb(59, 130, 246))
 - Used for hover states and active elements
- **Primary Blue Dark:**  #1D4ED8 (rgb(29, 78, 216))
 - Used for pressed states and emphasis

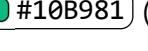
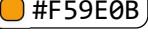
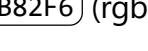
Secondary Colors

- **Community Green:**  #059669 (rgb(5, 150, 105))
 - Used for STAR Projects, community features, and success states
- **Cause Orange:**  #EA580C (rgb(234, 88, 12))
 - Used for STAR Causes and charitable giving features
- **Token Gold:**  #D97706 (rgb(217, 119, 6))
 - Used for token-related features and rewards

Neutral Colors

- **Gray 900:**  #111827 (rgb(17, 24, 39)) - Primary text
- **Gray 700:**  #374151 (rgb(55, 65, 81)) - Secondary text
- **Gray 500:**  #6B7280 (rgb(107, 114, 128)) - Placeholder text
- **Gray 300:**  #D1D5DB (rgb(209, 213, 219)) - Borders
- **Gray 100:**  #F3F4F6 (rgb(243, 244, 246)) - Background surfaces
- **Gray 50:**  #F9FAFB (rgb(249, 250, 251)) - Page background

Semantic Colors

- **Success:**  #10B981 (rgb(16, 185, 129))
- **Warning:**  #F59E0B (rgb(245, 158, 11))
- **Error:**  #EF4444 (rgb(239, 68, 68))
- **Info:**  #3B82F6 (rgb(59, 130, 246))

2.2 Typography

Font Family

- Primary: `Inter, -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, sans-serif`
- Fallback: System fonts for maximum compatibility

Font Scale

- **Display 1:** 32px / 38px (2rem / 2.375rem) - Bold
- **Display 2:** 28px / 34px (1.75rem / 2.125rem) - Bold
- **Heading 1:** 24px / 30px (1.5rem / 1.875rem) - Semibold
- **Heading 2:** 20px / 26px (1.25rem / 1.625rem) - Semibold
- **Heading 3:** 18px / 24px (1.125rem / 1.5rem) - Semibold
- **Body Large:** 16px / 24px (1rem / 1.5rem) - Regular
- **Body:** 14px / 20px (0.875rem / 1.25rem) - Regular
- **Body Small:** 12px / 16px (0.75rem / 1rem) - Regular
- **Caption:** 11px / 14px (0.6875rem / 0.875rem) - Regular

Font Weights

- Regular: 400
- Medium: 500
- Semibold: 600
- Bold: 700

2.3 Spacing System

Base Unit: 4px

Spacing Scale:

- **xs:** 4px (1 unit)
- **sm:** 8px (2 units)
- **md:** 12px (3 units)
- **lg:** 16px (4 units)
- **xl:** 20px (5 units)
- **2xl:** 24px (6 units)
- **3xl:** 32px (8 units)
- **4xl:** 40px (10 units)
- **5xl:** 48px (12 units)
- **6xl:** 64px (16 units)

2.4 Elevation & Shadows

Shadow Scale:

- **None:** `box-shadow: none`
- **Small:** `box-shadow: 0 1px 2px 0 rgb(0 0 0 / 0.05)`
- **Medium:** `box-shadow: 0 4px 6px -1px rgb(0 0 0 / 0.1), 0 2px 4px -2px rgb(0 0 0 / 0.1)`
- **Large:** `box-shadow: 0 10px 15px -3px rgb(0 0 0 / 0.1), 0 4px 6px -4px rgb(0 0 0 / 0.1)`
- **Extra Large:** `box-shadow: 0 25px 50px -12px rgb(0 0 0 / 0.25)`

2.5 Border Radius

- **None:** 0px
- **Small:** 4px
- **Medium:** 8px
- **Large:** 12px
- **Extra Large:** 16px
- **Full:** 9999px (for circular elements)

3. Component Library

3.1 Navigation Components

3.1.1 Bottom Navigation (Mobile)

Structure:

- Fixed bottom positioning
- 5 primary tabs: Home, Services, Community, Wallet, Profile
- Icon + label format
- Active state indicator

Visual Specifications:

- Height: 80px (safe area padding included)
- Background: White with top border (Gray 300)
- Active state: Primary Blue icon and text
- Inactive state: Gray 500 icon and text
- Typography: Caption (11px) semibold

3.1.2 Top Navigation Bar

Structure:

- Logo/title on left
- Action buttons on right (notifications, search)
- Optional back button for nested screens

Visual Specifications:

- Height: 56px
- Background: White
- Shadow: Small
- Title: Heading 3 (18px) semibold

3.2 Input Components

3.2.1 Text Input

States:

- Default: Gray 300 border, Gray 500 placeholder
- Focus: Primary Blue border, outline
- Error: Error color border and text
- Disabled: Gray 100 background, Gray 300 text

Visual Specifications:

- Height: 48px
- Padding: 12px 16px
- Border radius: Medium (8px)
- Typography: Body (14px)

3.2.2 Search Input

Structure:

- Search icon on left
- Clear button on right (when active)
- Rounded corners for friendly appearance

Visual Specifications:

- Height: 44px
- Background: Gray 100
- Border radius: Full (22px)
- Typography: Body (14px)

3.3 Button Components

3.3.1 Primary Button

States:

- Default: Primary Blue background, white text
- Hover: Primary Blue Light background
- Pressed: Primary Blue Dark background
- Disabled: Gray 300 background, Gray 500 text

Visual Specifications:

- Height: 48px
- Padding: 12px 24px
- Border radius: Medium (8px)
- Typography: Body (14px) semibold

3.3.2 Secondary Button

States:

- Default: White background, Primary Blue text and border
- Hover: Gray 50 background
- Pressed: Gray 100 background
- Disabled: Gray 100 background, Gray 400 text and border

3.3.3 Icon Button

Structure:

- Circular or square container
- Single icon, no text
- Used for actions like favorites, share, menu

Visual Specifications:

- Size: 40px × 40px
- Border radius: Full (circular) or Medium (8px)
- Icon size: 20px × 20px

3.4 Card Components

3.4.1 Service Provider Card

Structure:

- Profile image (circular, 56px)
- Name and rating
- Service category
- Price range
- Distance/location
- Quick action buttons

Visual Specifications:

- Border radius: Large (12px)
- Shadow: Small
- Padding: 16px
- Background: White

3.4.2 Project Card

Structure:

- Project image (full width, 160px height)
- Title and description
- Progress indicator
- Funding information
- Participant count
- Join/View button

Visual Specifications:

- Border radius: Large (12px)
- Shadow: Small
- Background: White
- Image border radius: Large (top corners only)

3.5 Status Components

3.5.1 Badge/Tag

Variants:

- Status badges (Active, Pending, Completed)
- Category tags
- Token amount displays

Visual Specifications:

- Height: 24px
- Padding: 4px 8px
- Border radius: Full
- Typography: Caption (11px) medium

3.5.2 Progress Indicator

Types:

- Linear progress bar
- Circular progress indicator
- Step indicator

Visual Specifications:

- Height: 8px (linear)
- Border radius: Full
- Primary color for progress, Gray 200 for background

3.6 Modal/Dialog Components

3.6.1 Bottom Sheet (Mobile)

Structure:

- Slides up from bottom
- Drag handle at top
- Content area with scrolling
- Action buttons at bottom

Visual Specifications:

- Border radius: Large (top corners only)
- Background: White
- Shadow: Extra Large
- Maximum height: 80% of screen

3.6.2 Alert Dialog

Structure:

- Title
- Description text
- Primary and secondary actions

Visual Specifications:

- Width: 320px (mobile), 400px (desktop)
- Border radius: Large (12px)
- Padding: 24px
- Shadow: Large

4. Screen Definitions

4.1 Authentication Screens

4.1.1 Welcome/Onboarding Screen

Layout:

- Full-screen hero image with community theme
- Logo and tagline overlay
- "Get Started" primary button
- "Sign In" secondary button
- Language selector at bottom

Content Elements:

- Hero image: Local community scene
- Logo: STAR Community wordmark
- Tagline: "Building stronger communities together"
- Legal links: Terms, Privacy Policy

4.1.2 Role Selection Screen

Layout:

- Header with progress indicator (step 1 of 3)
- Title: "How will you use STAR Community?"
- Four role cards in 2x2 grid
- Continue button (disabled until selection)

Role Cards:

- Resident: "Find local services"
- Service Provider: "Offer your services"
- Agent: "Help grow the community"
- Cause Champion: "Support community causes"

4.1.3 Registration Screen

Layout:

- Header with back button and progress
- Form fields (role-specific)
- Profile photo upload area
- Terms acceptance checkbox
- Create Account button

Form Fields (Common):

- First Name, Last Name
- Email Address
- Phone Number
- Password, Confirm Password
- Location/Area

4.2 Main Navigation Screens

4.2.1 Home Dashboard

Layout Structure:

- Top navigation with greeting and notifications
- Search bar with location filter
- Quick actions carousel
- Featured content sections
- Community stats widget

Content Sections:

1. Welcome Section

- Personalized greeting: "Good morning, [Name]"
- Weather widget
- Token balance (if applicable)

2. Quick Actions (Horizontal scroll)

- Find Services
- Create Project
- Support Cause
- Earn Tokens

3. Nearby Services (3-4 cards)

- Service provider cards with ratings
- "See All" link

4. Active Projects (2-3 cards)

- Project cards with progress
- "Browse Projects" link

5. Community Impact

- Local stats: Projects completed, Causes supported
- Monthly highlights

4.2.2 Services Screen

Layout Structure:

- Search bar with filters
- Category grid (2×3 on mobile)
- Service provider listings
- Map toggle button

Category Grid:

- Home Services
- Beauty & Wellness
- Tutoring & Education
- Transport
- Food & Catering
- Professional Services

Service Listings:

- List/grid toggle
- Sort options (Distance, Rating, Price)
- Filter sidebar (mobile: bottom sheet)

4.3 Service-Related Screens

4.3.1 Service Provider Profile

Layout Structure:

- Hero section with cover photo
- Profile information card
- Services offered section
- Reviews and ratings
- Photo gallery
- Contact/Book button (sticky)

Hero Section:

- Cover photo (16:9 ratio)
- Profile picture overlay (circular, 80px)
- Name and rating
- Verification badges

Profile Information:

- Bio/description
- Contact information
- Operating hours
- Service areas
- Certifications

4.3.2 Service Booking Screen

Layout Structure:

- Service summary card
- Date and time selector
- Location input
- Special instructions text area
- Price breakdown
- Payment method selection
- Confirm booking button

Booking Flow:

1. Service details confirmation
2. Date/time selection (calendar widget)
3. Location specification
4. Additional requirements
5. Payment confirmation
6. Booking confirmation

4.3.3 Booking Management

Layout Structure:

- Tab navigation (Upcoming, Completed, Cancelled)
- Booking cards with status
- Filter and search options

Booking Card Elements:

- Service provider info
- Date, time, location
- Status indicator
- Quick actions (Message, Reschedule, Cancel)

4.4 Community Screens

4.4.1 Community Hub

Layout Structure:

- Tab navigation (Projects, Causes)
- Feature project/cause carousel
- Category filters
- Content grid with pagination

Project Tab:

- Create Project button (floating action)
- Project cards with progress indicators
- Filter by: Category, Status, Location

Causes Tab:

- Featured causes carousel
- Cause cards with donation progress
- Filter by: Category, Urgency

4.4.2 Project Details Screen

Layout Structure:

- Project hero image
- Title and description
- Progress indicators (funding, timeline)
- Organizer information
- Participant list
- Updates timeline
- Join/Support actions

Key Elements:

- Funding progress bar with amounts
- Timeline with milestones
- Photo updates carousel
- Comments/discussion section

4.4.3 Create Project Screen

Layout Structure:

- Multi-step form with progress indicator
- Image upload area
- Title and description fields
- Category selection
- Location specification
- Budget and timeline inputs
- Preview and submit

Form Steps:

1. Basic Information (Title, Category, Description)
2. Details (Location, Timeline, Budget)
3. Media (Photos, Additional Info)
4. Review and Publish

4.5 Wallet/Token Screens

4.5.1 Wallet Dashboard

Layout Structure:

- Balance card with token amount
- Quick actions (Buy, Send, Redeem)
- Recent transactions list
- Subscription info (if applicable)

Balance Card:

- Large token amount display
- USD/ZAR equivalent
- Subscription status
- Token purchase button

Transaction History:

- Chronological list
- Transaction type icons
- Amount and status
- Search and filter options

4.5.2 Token Purchase Screen

Layout Structure:

- Package selection cards
- Custom amount input
- Payment method selection
- Purchase summary
- Complete purchase button

Package Options:

- Starter Pack (100 tokens)
- Popular Pack (500 tokens) - "Best Value"
- Community Pack (1000 tokens)
- Custom amount option

4.5.3 Token Redemption Screen

Layout Structure:

- Available balance display
- Redemption amount input
- Bank account selection
- Fee breakdown
- Redemption timeline info
- Confirm redemption button

4.6 Profile Screens

4.6.1 Profile Dashboard

Layout Structure:

- Profile header with photo and basic info
- Statistics cards (role-specific)
- Quick settings shortcuts
- Menu items list

Profile Header:

- Profile photo (editable)
- Name and role
- Verification status
- Edit profile button

Statistics (Role-specific):

- Residents: Services booked, Projects joined
- Service Providers: Services completed, Rating
- Agents: Referrals made, Commission earned

4.6.2 Settings Screen

Layout Structure:

- Grouped settings sections
- Toggle switches for preferences
- Navigation to detailed settings

Settings Groups:

- Account (Password, Email, Phone)
 - Notifications (Push, Email, SMS)
 - Privacy (Profile visibility, Data sharing)
 - Support (Help center, Contact us)
 - Legal (Terms, Privacy policy)
-

5. User Flows

5.1 Core User Flows

5.1.1 Service Booking Flow (Resident)

1. Home Screen
 - ↓ Tap "Find Services" or search
2. Services Screen
 - ↓ Browse/search → Select service provider
3. Service Provider Profile
 - ↓ Tap "Book Service"
4. Service Selection
 - ↓ Choose specific service → Tap "Continue"
5. Date/Time Selection
 - ↓ Select available slot → Tap "Continue"
6. Location & Details
 - ↓ Enter address and requirements → Tap "Continue"
7. Payment Confirmation
 - ↓ Review booking and payment → Tap "Confirm Booking"
8. Booking Confirmation
 - ↓ Booking created → Navigate to "My Bookings"

5.1.2 Service Completion Flow (Service Provider)

1. Home/Bookings Screen
 - ↓ View upcoming bookings
2. Booking Details
 - ↓ Review job details → Navigate to location
3. Service Delivery
 - ↓ Complete service → Tap "Mark as Complete"
4. Service Completion
 - ↓ Generate Service ID → Share with resident
5. Payment Release
 - ↓ Resident confirms → Tokens released to provider
6. Rating & Review
 - ↓ Mutual rating exchange → Flow complete

5.1.3 Project Creation Flow

1. Community Hub
 - ↓ Tap "Create Project" (floating action button)
2. Project Type Selection
 - ↓ Choose category → Tap "Continue"
3. Basic Information
 - ↓ Enter title, description, image → Tap "Next"
4. Project Details
 - ↓ Set location, timeline, budget → Tap "Next"
5. Review & Settings
 - ↓ Review all details, set permissions → Tap "Create Project"
6. Project Created
 - ↓ Project live → Share with community

5.2 Error & Edge Case Flows

5.2.1 Payment Failure Flow

1. Payment Processing
 - ↓ Payment fails
2. Error Screen
 - ↓ Show error message and retry options
3. Retry Payment
 - ↓ Try different payment method or contact support
4. Success/Support
 - ↓ Successful payment or escalate to support

5.2.2 Service Dispute Flow

1. Completed Service
 - ↓ Resident disputes service quality
2. Dispute Initiation
 - ↓ Select dispute reason → Provide details
3. Evidence Collection
 - ↓ Upload photos, provide additional information
4. Mediation Process
 - ↓ Platform mediates between parties
5. Resolution
 - ↓ Refund, partial refund, or dispute dismissed

6. Interaction States & Behaviors

6.1 Button States

Primary Buttons

- **Default:** Primary Blue background, white text, Medium shadow
- **Hover:** Primary Blue Light background, slight scale (1.02x)
- **Active/Pressed:** Primary Blue Dark background, Small shadow
- **Loading:** Primary Blue background, white spinner, disabled pointer events
- **Disabled:** Gray 300 background, Gray 500 text, no shadow

Secondary Buttons

- **Default:** White background, Primary Blue text and border
- **Hover:** Gray 50 background, Primary Blue Light text and border
- **Active/Pressed:** Gray 100 background, Primary Blue Dark text and border
- **Loading:** White background, Primary Blue spinner
- **Disabled:** Gray 100 background, Gray 400 text and border

6.2 Input Field States

Text Inputs

- **Default:** Gray 300 border, Gray 500 placeholder text
- **Focus:** Primary Blue border (2px), Primary Blue outline, Gray 900 text
- **Filled:** Gray 300 border, Gray 900 text
- **Error:** Error Red border, Error Red helper text below
- **Disabled:** Gray 100 background, Gray 400 text and border
- **Success:** Success Green border, Success Green helper text

6.3 Card Interactions

Service Provider Cards

- **Default:** White background, Small shadow
- **Hover:** Medium shadow, slight scale (1.02x)
- **Active:** Large shadow, Primary Blue border accent
- **Loading:** Skeleton animation on text content

Project Cards

- **Default:** White background, Small shadow
- **Hover:** Medium shadow, Community Green accent
- **Active:** Community Green border, Medium shadow

6.4 Navigation Behaviors

Bottom Navigation

- **Tab Selection:** Smooth transition between tabs, active state animation
- **Badge Notifications:** Red dot indicator, animate in/out
- **Disabled States:** Gray out unavailable tabs

Top Navigation

- **Scroll Behavior:** Hide on scroll down, show on scroll up
- **Search Activation:** Expand search bar, hide other elements
- **Back Navigation:** Slide transition with gesture support

6.5 Modal/Overlay Behaviors

Bottom Sheets

- **Open:** Slide up from bottom with backdrop
- **Drag Handle:** Allow vertical dragging to resize/dismiss
- **Backdrop Tap:** Dismiss sheet when tapping outside
- **Close:** Slide down with momentum

Alert Dialogs

- **Open:** Fade in with scale animation
 - **Backdrop:** Semi-transparent overlay (Black 50% opacity)
 - **Close:** Fade out with scale animation
-

7. UX Copy Guidelines

7.1 Voice & Tone

Brand Voice:

- **Friendly:** Warm, approachable, conversational
- **Empowering:** Positive, encouraging, supportive
- **Trustworthy:** Clear, honest, transparent
- **Community-focused:** Inclusive, collaborative, local

Tone Variations by Context:

- **Onboarding:** Enthusiastic and welcoming
- **Transactions:** Clear and reassuring
- **Errors:** Helpful and solution-oriented
- **Success:** Celebratory but not overwhelming

7.2 Content Principles

Clarity

- Use simple, everyday language
- Avoid technical jargon
- Be specific and actionable
- Front-load important information

Conciseness

- Keep microcopy under 40 characters when possible
- Use progressive disclosure for complex information
- Prioritize scannable content

Consistency

- Maintain consistent terminology throughout
- Use the same words for the same concepts
- Follow established patterns for similar actions

7.3 Key Messaging Templates

Welcome Messages

- **New User:** "Welcome to STAR Community! Let's connect you with your local community."
- **Returning User:** "Welcome back, [Name]! Ready to make a difference today?"

Action Confirmations

- **Service Booked:** "Great! [Provider Name] will confirm your booking soon."
- **Payment Sent:** "Payment sent successfully! Your tokens are on the way."
- **Project Created:** "Your project is now live! Time to rally the community."

Error Messages

- **Network Error:** "Looks like you're offline. We'll retry when you're connected."
- **Form Validation:** "Please check the highlighted fields and try again."
- **Payment Failed:** "Payment didn't go through. Let's try a different method."

Empty States

- **No Services:** "No services found nearby. Try expanding your search area."
- **No Projects:** "No active projects yet. Why not start the first one?"
- **No Transactions:** "Your transaction history will appear here once you make your first purchase."

7.4 Accessibility Copy

Button Labels

- Use descriptive labels that explain the action
- Include context when necessary: "Book this service" vs. "Book"
- Provide alternative text for icon-only buttons

Form Labels

- Clear, descriptive labels for all inputs
- Helpful placeholder text that doesn't replace labels
- Error messages that explain how to fix the issue

Status Updates

- Screen reader friendly status messages
 - Progress indicators with completion percentages
 - Loading states with descriptive text
-

8. Accessibility Guidelines

8.1 Visual Accessibility

Color & Contrast

- **Minimum Contrast Ratio:** 4.5:1 for normal text, 3:1 for large text
- **Color Independence:** Never rely solely on color to convey information
- **High Contrast Mode:** Support system high contrast preferences

Typography

- **Minimum Font Size:** 12px (0.75rem) for body text
- **Line Height:** Minimum 1.4x for body text
- **Font Weight:** Sufficient contrast between different weights

8.2 Motor Accessibility

Touch Targets

- **Minimum Size:** 44px × 44px for all interactive elements
- **Spacing:** Minimum 8px between adjacent touch targets
- **Gesture Support:** Provide alternatives to complex gestures

Navigation

- **Focus Management:** Clear focus indicators, logical tab order
- **Keyboard Navigation:** All functionality accessible via keyboard
- **Voice Control:** Support for voice navigation commands

8.3 Cognitive Accessibility

Content Structure

- **Clear Hierarchy:** Logical heading structure (H1, H2, H3)
- **Consistent Layout:** Predictable navigation and content placement
- **Progress Indicators:** Clear steps for multi-step processes

Error Prevention

- **Form Validation:** Real-time validation with helpful messages
- **Confirmation Dialogs:** For destructive or important actions
- **Undo Functionality:** Where appropriate and feasible

8.4 Screen Reader Support

Semantic HTML

- **Proper Labels:** All form inputs have associated labels
- **ARIA Labels:** Descriptive labels for complex interactions
- **Role Attributes:** Appropriate ARIA roles for custom components

Dynamic Content

- **Live Regions:** Announce important updates and changes
- **Focus Management:** Move focus appropriately after actions
- **Status Messages:** Communicate loading, success, and error states

9. Platform-Specific Considerations

9.1 Mobile Design Patterns

iOS Specific

- **Navigation:** Use iOS navigation patterns (back swipe, tab bar)
- **Typography:** San Francisco font family support
- **Safe Areas:** Account for notch and home indicator
- **Haptic Feedback:** Provide appropriate tactile feedback

Android Specific

- **Material Design:** Follow Material Design principles where appropriate
- **Navigation:** Support Android navigation patterns (back button, drawer)
- **Typography:** Roboto font family support
- **Status Bar:** Handle different status bar configurations

9.2 Web Application

Responsive Breakpoints

- **Mobile:** < 640px
- **Tablet:** 640px - 1024px
- **Desktop:** > 1024px

Desktop Enhancements

- **Hover States:** Rich hover interactions for mouse users
- **Keyboard Shortcuts:** Common shortcuts for power users
- **Multi-column Layouts:** Take advantage of larger screens
- **Context Menus:** Right-click functionality where appropriate

9.3 Progressive Web App (PWA)

Offline Functionality

- **Cached Content:** Essential screens available offline
- **Offline Indicators:** Clear messaging about connectivity status
- **Sync Capabilities:** Queue actions for when connection returns

Installation

- **Install Prompts:** Contextual prompts for app installation
- **App Icons:** Multiple sizes for different devices
- **Splash Screens:** Branded loading screens

10. Implementation Notes

10.1 Development Handoff

Asset Preparation

- **Icons:** SVG format with consistent sizing and stroke weights
- **Images:** Multiple resolutions (@1x, @2x, @3x) for different densities
- **Colors:** CSS custom properties or design tokens
- **Typography:** Web font files and fallback specifications

Component Documentation

- **State Variations:** Document all interactive states
- **Responsive Behavior:** Specify breakpoint behaviors
- **Accessibility Requirements:** Include ARIA attributes and keyboard behavior
- **Animation Specifications:** Timing, easing, and trigger conditions

10.2 Quality Assurance

Design Review Checklist

- Consistent spacing using the design system
- Proper contrast ratios maintained
- Interactive elements meet minimum size requirements
- Typography hierarchy is clear and consistent
- Color usage follows brand guidelines
- Accessibility requirements are met

Testing Considerations

- **Device Testing:** Test on various screen sizes and devices
 - **Accessibility Testing:** Use screen readers and accessibility tools
 - **Performance Testing:** Ensure smooth animations and interactions
 - **Localization Testing:** Verify layout with longer text translations
-

11. Appendix

11.1 Design System Tokens

css

```
/* CSS Custom Properties for Design System */

:root {
  /* Colors */
  --color-primary-500: #2563EB;
  --color-primary-400: #3B82F6;
  --color-primary-600: #1D4ED8;

  --color-community-500: #059669;
  --color-cause-500: #EA580C;
  --color-token-500: #D97706;

  --color-gray-50: #F9FAFB;
  --color-gray-100: #F3F4F6;
  --color-gray-300: #D1D5DB;
  --color-gray-500: #6B7280;
  --color-gray-700: #374151;
  --color-gray-900: #111827;

  /* Typography */
  --font-family-primary: Inter, -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, sans-serif;

  --font-size-caption: 0.6875rem; /* 11px */
  --font-size-small: 0.75rem; /* 12px */
  --font-size-body: 0.875rem; /* 14px */
  --font-size-body-large: 1rem; /* 16px */
  --font-size-heading-3: 1.125rem; /* 18px */
  --font-size-heading-2: 1.25rem; /* 20px */
  --font-size-heading-1: 1.5rem; /* 24px */
  --font-size-display-2: 1.75rem; /* 28px */
  --font-size-display-1: 2rem; /* 32px */

  /* Line Heights */
  --line-height-caption: 0.875rem; /* 14px */
  --line-height-small: 1rem; /* 16px */
  --line-height-body: 1.25rem; /* 20px */
  --line-height-body-large: 1.5rem; /* 24px */
  --line-height-heading-3: 1.5rem; /* 24px */
  --line-height-heading-2: 1.625rem; /* 26px */
  --line-height-heading-1: 1.875rem; /* 30px */
  --line-height-display-2: 2.125rem; /* 34px */
  --line-height-display-1: 2.375rem; /* 38px */

  /* Font Weights */
  --font-weight-regular: 400;
  --font-weight-medium: 500;
  --font-weight-semibold: 600;
  --font-weight-bold: 700;
}
```

```
--font-weight-bold: 700;

/* Spacing */
--spacing-xs: 0.25rem; /* 4px */
--spacing-sm: 0.5rem; /* 8px */
--spacing-md: 0.75rem; /* 12px */
--spacing-lg: 1rem; /* 16px */
--spacing-xl: 1.25rem; /* 20px */
--spacing-2xl: 1.5rem; /* 24px */
--spacing-3xl: 2rem; /* 32px */
--spacing-4xl: 2.5rem; /* 40px */
--spacing-5xl: 3rem; /* 48px */
--spacing-6xl: 4rem; /* 64px */

/* Border Radius */
--radius-none: 0px;
--radius-small: 0.25rem; /* 4px */
--radius-medium: 0.5rem; /* 8px */
--radius-large: 0.75rem; /* 12px */
--radius-xl: 1rem; /* 16px */
--radius-full: 9999px;

/* Shadows */
--shadow-small: 0 1px 2px 0 rgb(0 0 0 / 0.05);
--shadow-medium: 0 4px 6px -1px rgb(0 0 0 / 0.1), 0 2px 4px -2px rgb(0 0 0 / 0.1);
--shadow-large: 0 10px 15px -3px rgb(0 0 0 / 0.1), 0 4px 6px -4px rgb(0 0 0 / 0.1);
--shadow-xl: 0 25px 50px -12px rgb(0 0 0 / 0.25);

}
```

11.2 Component Code Examples

Button Component Structure

html

```
<!-- Primary Button -->
<button class="btn btn--primary" type="button">
  <span class="btn__text">Continue</span>
  <svg class="btn__icon" aria-hidden="true"><!-- icon --></svg>
</button>

<!-- Secondary Button -->
<button class="btn btn--secondary" type="button">
  <span class="btn__text">Cancel</span>
</button>

<!-- Icon Button -->
<button class="btn btn--icon" type="button" aria-label="Add to favorites">
  <svg class="btn__icon" aria-hidden="true"><!-- heart icon --></svg>
</button>
```

Service Provider Card Structure

html

```
<div class="service-card">
  <div class="service-card__header">
    
    <div class="service-card__info">
      <h3 class="service-card__name">Provider Name</h3>
      <div class="service-card__rating">
        <div class="rating-stars" aria-label="4.8 out of 5 stars">
          <!-- star icons -->
        </div>
        <span class="service-card__rating-text">4.8 (24 reviews)</span>
      </div>
    </div>
    <button class="btn btn--icon service-card__favorite" aria-label="Add to favorites">
      <svg aria-hidden="true"><!-- heart icon --></svg>
    </button>
  </div>

  <div class="service-card__content">
    <p class="service-card__category">Home Services</p>
    <p class="service-card__description">Professional cleaning and maintenance services</p>
    <div class="service-card__meta">
      <span class="service-card__price">From R150/hour</span>
      <span class="service-card__distance">2.3 km away</span>
    </div>
  </div>

  <div class="service-card__actions">
    <button class="btn btn--secondary service-card__message">Message</button>
    <button class="btn btn--primary service-card__book">Book Now</button>
  </div>
</div>
```

11.3 Responsive Layout Patterns

Grid System

css

```
/* Mobile-first responsive grid */
.grid {
  display: grid;
  gap: var(--spacing-lg);
  grid-template-columns: 1fr;
}

/* Tablet: 2 columns */
@media (min-width: 640px) {
  .grid--cols-2 {
    grid-template-columns: repeat(2, 1fr);
  }
}

/* Desktop: 3+ columns */
@media (min-width: 1024px) {
  .grid--cols-3 {
    grid-template-columns: repeat(3, 1fr);
  }
  .grid--cols-4 {
    grid-template-columns: repeat(4, 1fr);
  }
}
```

Container Patterns

css

```
.container {
  width: 100%;
  max-width: 1200px;
  margin: 0 auto;
  padding: 0 var(--spacing-lg);
}

.container--narrow {
  max-width: 800px;
}

.container--wide {
  max-width: 1400px;
}
```

11.4 Animation Specifications

Transition Durations

- **Fast:** 150ms - Hover states, button presses
- **Normal:** 250ms - Modal opening, tab switching
- **Slow:** 350ms - Page transitions, complex animations
- **Extra Slow:** 500ms - Loading states, success confirmations

Easing Functions

css

```
:root {
  --ease-out: cubic-bezier(0.25, 0.46, 0.45, 0.94);
  --ease-in: cubic-bezier(0.55, 0.06, 0.68, 0.19);
  --ease-in-out: cubic-bezier(0.65, 0.05, 0.36, 1);
  --ease-bounce: cubic-bezier(0.68, -0.55, 0.265, 1.55);
}
```

Common Animation Examples

css

```
/* Button hover animation */
.btn {
  transition: all 150ms var(--ease-out);
}

.btn:hover {
  transform: translateY(-1px);
  box-shadow: var(--shadow-medium);
}

/* Modal entrance animation */
.modal {
  animation: modal-enter 250ms var(--ease-out);
}

@keyframes modal-enter {
  from {
    opacity: 0;
    transform: scale(0.95) translateY(20px);
  }
  to {
    opacity: 1;
    transform: scale(1) translateY(0);
  }
}
```

11.5 Icon Library Specifications

Icon Requirements

- **Format:** SVG with 24×24px viewBox
- **Stroke Width:** 2px for outline icons, 1.5px for detailed icons
- **Style:** Consistent with Lucide or Heroicons style
- **Colors:** Use currentColor for easy theming

Core Icon Set

Navigation:

- home, search, menu, arrow-left, arrow-right, close

Actions:

- plus, edit, delete, share, download, upload, refresh

Communication:

- message, phone, mail, notification, alert

Commerce:

- wallet, credit-card, coins, shopping-bag, receipt

Social:

- heart, star, thumbs-up, thumbs-down, flag, users

Status:

- check, x, alert-circle, info, loading (spinner)

Icon Usage Guidelines

```

html

<!-- Standard icon -->
<svg class="icon" width="24" height="24" viewBox="0 0 24 24" fill="none" stroke="currentColor">
  <path d="..."/>
</svg>

<!-- Small icon (16px) -->
<svg class="icon icon--small" width="16" height="16" viewBox="0 0 24 24">
  <path d="..."/>
</svg>

<!-- Large icon (32px) -->
<svg class="icon icon--large" width="32" height="32" viewBox="0 0 24 24">
  <path d="..."/>
</svg>

```

11.6 Content Strategy Guidelines

Writing for Mobile

- **Headline Length:** Maximum 30 characters for single line
- **Body Text:** 40-60 characters per line for optimal readability
- **Button Text:** 1-2 words maximum, action-oriented
- **Form Labels:** Clear, concise, above input fields

Localization Considerations

- **Text Expansion:** Account for 30-50% text expansion in other languages
- **RTL Support:** Design layouts that work with right-to-left languages
- **Cultural Adaptation:** Consider local customs and preferences
- **Currency Display:** Support local currency formats and symbols

Error Message Framework

Error Type: [What went wrong]
 Context: [Where/when it happened]
 Action: [What the user should do]
 Alternative: [Backup option if available]

Example:

"Payment failed: Your card was declined during checkout. Please try a different payment method or contact your bank."

11.7 Performance Guidelines

Image Optimization

- **Format:** WebP with JPEG/PNG fallbacks
- **Sizes:** Multiple resolutions for responsive images
- **Compression:** 80-85% quality for photographs, lossless for graphics
- **Lazy Loading:** Implement for images below the fold

Loading States

- **Skeleton Screens:** For content-heavy screens
- **Progress Indicators:** For multi-step processes
- **Micro-interactions:** For immediate feedback
- **Timeout Handling:** Graceful degradation for slow connections

Critical Rendering Path

1. **Above-the-fold Content:** Prioritize critical CSS and JavaScript
2. **Font Loading:** Use font-display: swap for web fonts
3. **Resource Hints:** Preload critical resources
4. **Code Splitting:** Load features on-demand

11.8 Testing Checklist

Functional Testing

- All interactive elements respond appropriately
- Form validation works correctly
- Navigation flows function as expected
- Search and filtering work properly
- Payment flows complete successfully

Visual Testing

- Design matches specifications across browsers
- Responsive breakpoints work correctly
- Images and icons load properly
- Typography renders consistently
- Colors meet contrast requirements

Accessibility Testing

- Screen reader navigation works smoothly
- Keyboard navigation covers all functionality
- Focus indicators are visible and logical
- Form labels are properly associated
- Error messages are announced correctly

Performance Testing

- Page load times meet targets (<3 seconds)
- Animations run smoothly (60fps)
- Images load progressively
- App works on slow connections
- Memory usage stays within limits

Usability Testing

- New users can complete core tasks
- Error recovery is intuitive
- Help and support are easily accessible
- Multi-language support works correctly
- Offline functionality behaves as expected

12. Revision History

Version	Date	Changes	Author
1.0	June 14, 2025	Initial design specification	Design Team

13. Approval & Sign-off

Design Review:

- UX Designer: _____ Date: _____
- Visual Designer: _____ Date: _____
- Product Manager: _____ Date: _____

Technical Review:

- Frontend Lead: _____ Date: _____
- Mobile Lead: _____ Date: _____
- Accessibility Specialist: _____ Date: _____

Stakeholder Approval:

- Product Owner: _____ Date: _____
 - Business Stakeholder: _____ Date: _____
-

This design specification serves as the single source of truth for the STAR Community App's user interface and experience design. All implementations should reference this document to ensure consistency and quality across platforms.