

Phase 4 - Nice to Have Implementation Plan

Overview

This phase focuses on accessibility improvements, mobile optimization, expanded test coverage, PWA enhancements, and internationalization preparation.

Tasks

1. Accessibility Improvements (WCAG 2.1 AA Compliance) - 15 hours

- Add skip-to-content links
- Improve keyboard navigation
- Add ARIA labels and roles
- Ensure color contrast compliance
- Add focus indicators
- Screen reader support
- Semantic HTML improvements
- Form accessibility enhancements

2. Mobile Optimization - 12 hours

- Responsive design improvements
- Touch-friendly interactions
- Mobile-specific UX enhancements
- Tablet optimization
- Mobile navigation improvements
- Touch gestures support
- Mobile performance optimization

3. Expanded Test Coverage (Target: 80%+) - 15 hours

- Component tests for key components
- Integration tests for user flows
- E2E test expansion
- Visual regression tests setup
- API mocking improvements
- Test utilities and helpers

4. PWA Enhancements - 5 hours

- Improved offline support
- Better caching strategies
- Install prompts
- App shortcuts
- Share target API
- Background sync preparation

5. Internationalization (i18n) Preparation - 3 hours

- i18n framework setup (react-i18next)
- Language detection
- Translation file structure
- RTL support preparation
- Date/time localization
- Number formatting

Total Estimated Time: 50 hours

Success Criteria

- ☐ WCAG 2.1 AA compliance achieved
- ☐ Mobile experience significantly improved
- ☐ Test coverage increased to 80%+
- ☐ PWA score improved to 90+
- ☐ i18n framework ready for translations
- ☐ All tests passing
- ☐ Lighthouse scores maintained/improved

Deliverables

- Accessibility audit report
- Mobile optimization guide
- Expanded test suite
- PWA configuration
- i18n setup documentation
- Updated CHANGELOG