

HarmonyTi Development Fixes and Additions

Authentication & Login Features

- **Removed automatic login** - Users now required to log in every time for security
- **Added "Welcome" vs "Welcome Back"** messaging based on previous sign-in history
- **Added password visibility toggle** (eye icon) to login screen
- **Implemented local storage persistence** for beta tester accounts
- **Fixed authentication flow** to always show login screen on app startup

UI/UX Improvements

Splash Screen & Logo

- **Fixed blank splash screen on iPhone** - Copied splash.png to iOS image assets
- **Made logo responsive on login screen:**
 - iPad: Larger logo (600x120)
 - iPhone: Smaller logo (70% screen width x 80 height)

Registration Screen

- **Fixed scrolling issues on iPhone** for signup form
- **Added keyboard handling properties:**
 - `keyboardShouldPersistTaps="handled"`
 - `keyboardDismissMode="on-drag"`
 - Proper `KeyboardAvoidingView` offset
- **Reduced excessive padding** on iPhone (from 100 to 40px bottom padding)

HTS Code Input Enhancements

- **Updated placeholder text** to "Enter HTS Code (up to 8 digits)"
- **Limited input to 8 digits maximum**
- **Added info icon** explaining why 8 digits (HS code structure)
- **Implemented smart HTS dropdown:**
 - Shows suggestions after 3 digits
 - Uses actual tariff data
 - Displays up to 15 results with scroll

- Shows "No matching records" when appropriate
- Includes result count with refinement message

Reciprocal Tariff (RT) Features

- **RT toggle only shows for eligible countries** (CN, CA, MX)
- **Toggle defaults to additive** when displayed
- **RT calculations only appear** in results for RT countries
- **Unit cost comparisons** properly show RT impact
- **First cost per unit label** changes based on RT presence
- **RT Impact Row** styled in red for visibility

History Functionality

- **Dynamic button labels:**
 - Viewing saved: "Search" and "Clear"
 - Viewing new results: "Save & Search" and "Save & Clear"
- **Added unit calculations to history:**
 - Saves unitCount and unitCalculations
 - Properly restores unit count from history
- **Fixed navigation type imports**

Scrolling Behavior

- **Fixed scroll to unit entry field** instead of bottom
- **Adjusted scroll position** to stop at bottom of lookup results
- **Increased scroll offset values** for better positioning

Technical Improvements

Build System

- **Created increment-build.js script** for automatic build number updates
- **Added npm scripts:**
 - `npm run bump` - Increment build number
 - `npm run build:ios` - Bump and build iOS
- **Updated build number to 26** (from 18)

SDK & Dependencies

- **Upgraded to Expo SDK 53** (from SDK 50)
- **Fixed TypeScript errors** in navigation components
- **Resolved false positive linting warnings** from react-native-text-watcher

Tariff Search Implementation

- **Created segmented tariff data system:**
 - Split large JSON into smaller files by prefix
 - Single-digit segments for small chapters
 - Two-digit segments for large chapters
- **Built TariffSearchService** with static imports for React Native
- **Fixed search to use actual data** instead of guessing codes

Data Storage

- **Implemented local user persistence** for beta testing:
 - Registered users saved to AsyncStorage
 - Accounts persist between app sessions
 - Multiple accounts per device supported
 - Test account always available

Bug Fixes

- **Fixed "Text string must be rendered within "** error
- **Fixed corrupted file issues** during version display attempt
- **Fixed Metro bundler connection issues**
- **Fixed unit count not restoring** from history
- **Fixed navigation type import paths**
- **Fixed PowerShell rendering errors** in terminal

Documentation Created

- **BACKEND_REQUIREMENTS.md** - Comprehensive backend API specifications including:
 - Authentication endpoints
 - HubSpot integration requirements
 - Session report generation

- Commodity-specific guides
- Future feature stubs
- Infrastructure requirements
- Security specifications
- Development phases

Development Workflow Improvements

- **Automated build numbering** to prevent App Store conflicts
- **Fresh prebuild process** documented
- **Clear commands for development:**
 - `npx expo prebuild --clean`
 - `npx expo run:ios`
 - `npx expo start`

Beta Testing Preparation

- **Local account creation** enabled
- **Persistent user storage** implemented
- **Mock authentication** with clear test credentials
- **Welcome messaging** for returning users
- **Proper error handling** for invalid credentials

Performance Optimizations

- **Segmented tariff data loading** for faster searches
- **Static imports** for React Native compatibility
- **Efficient scroll positioning** calculations
- **Optimized dropdown rendering** with result limits

This session successfully transformed the app from development state to beta-ready with proper authentication, improved UX, and comprehensive backend planning!