Operator MVP Refresh - Implementation Progress

Branch: `feature/operator-refresh`
Started: December 8, 2025
Status: Priority 1 (Critical Fixes) - 85% Complete

Overview

This document tracks the implementation of comprehensive operator improvements to bring the operator experience to Phase 1 MVP standard, matching the quality of Aides and Providers marketplaces.

Priority 1: Critical Fixes (NEARLY COMPLETE)

✅ 1.1A: Create /operator/residents/new Page

Status: COMPLETED
Files:

- `src/app/operator/residents/new/page.tsx` (new)

Features:
- Full resident creation form with validation
- Fields: firstName, lastName, dateOfBirth, gender, status, homeId
- Family contact information (optional)
- Real-time validation with error messages
- Dropdown to assign resident to operator's homes
- Automatic family record creation if email provided
- Breadcrumb navigation back to residents list

Testing:
- Navigate to `/operator/residents/new`
- Fill form and submit
- Verify resident appears in `/operator/residents`
- Verify validation works for required fields

✅ 1.1B: Create /operator/homes/new Page

Status: COMPLETED
Files:

- `src/app/operator/homes/new/page.tsx` (new)

Features:
- Comprehensive home creation form
- Sections: Basic Info, Care Levels, Pricing, Location, Amenities

- Care level checkboxes (Independent, Assisted, Memory Care, Skilled Nursing)
- Address fields (street, city, state, ZIP)
- Gender restriction dropdown
- Amenities multi-select (15 options)
- Capacity and pricing fields
- Full validation with inline error messages
- Redirects to edit page after creation for photo upload

Testing:
- Navigate to `/operator/homes/new`
- Fill all sections and submit
- Verify home appears in `/operator/homes`
- Verify redirects to edit page

✅ 1.1C: Create Operator Profile Management

Status: COMPLETED
Files:
- `src/app/api/operator/profile/route.ts` (new)
- `src/app/settings/operator/page.tsx` (new)
- `src/app/settings/page.tsx` (modified)

Features:
- **API Endpoints:**
- `GET /api/operator/profile` - Fetch operator profile
- `PATCH /api/operator/profile` - Update operator profile
- **Settings Page:**
- Personal info: firstName, lastName, phone
- Business info: companyName, taxId, businessLicense
- Email display (read-only)
- Real-time validation
- Audit logging on updates
- **Navigation:**
- Added "Operator Profile" card to `/settings` page
- Only visible to operators

Testing:
- As operator, navigate to `/settings`
- Click "Operator Profile"
- Update company name and save
- Verify changes persist after refresh

✅ 1.2: Add Photo Upload UI

Status: COMPLETED
Files:
- `src/components/operator/homes/PhotoGalleryManager.tsx` (new)
- `src/app/operator/homes/[id]/edit/page.tsx` (modified)

Features:
- **PhotoGalleryManager Component:**
- Upload photos (drag & drop or file picker)
- Delete photos with confirmation
- Set primary photo (star icon)
- Photo grid with hover actions
- Empty state when no photos
- File validation (10MB max, image files only)
- Loading states during upload/delete
- Primary badge on primary photo
- **Integration:**
- Added to home edit page after amenities
- Auto-refreshes after photo changes
- Uses existing photo APIs

Testing:
- Navigate to `/operator/homes/[id]/edit`
- Scroll to Photo Gallery section
- Upload a photo
- Set as primary (if not first)
- Delete a photo
- Verify changes persist

✅ 1.3: Add Messaging Integration

Status: COMPLETED
Files:

- `src/app/operator/inquiries/[id]/page.tsx` (modified)

Features:
- "Message Family" button on inquiry detail page
- Positioned next to "Family Contact" header
- Deep-links to `/messages?userId={familyId}`
- Icon with message bubble
- Primary button styling
- Opens conversation with family from inquiry

Testing:
- Navigate to `/operator/inquiries/[id]`
- Click "Message Family" button
- Verify redirects to messages with correct family user

✅ 1.4: Complete Home Edit Form

Status: COMPLETED
Files:

- `src/app/operator/homes/[id]/edit/page.tsx` (rewritten)

Features:
- **All Fields Now Present:**
- Basic: name, description, capacity, status, genderRestriction
- Care levels: Multi-select checkboxes
- Pricing: priceMin, priceMax
- Address: street, street2, city, state, zipCode
- Amenities: 15 checkboxes
- Photos: Integrated PhotoGalleryManager
- **Improvements:**
- Real-time validation
- Loading states
- Breadcrumb navigation
- Organized sections
- Better error messages
- Care level checkboxes match create form

Testing:
- Navigate to `/operator/homes/[id]/edit`
- Update each section
- Submit and verify changes persist
- Test validation by leaving required fields empty

⚠️ 1.5: Fix Navigation Dead-Ends

Status: PARTIALLY COMPLETE
Completed:
- All new pages have breadcrumb navigation
- Back buttons on all forms
- Cancel buttons navigate back

Remaining:
- Create breadcrumb component for consistency
- Add breadcrumbs to existing operator pages
- Ensure all pages have escape routes

Files to Update:
- `src/components/common/Breadcrumbs.tsx` (create)
- `src/app/operator/*/page.tsx` (add breadcrumbs)

What's Next

Priority 2: UX Improvements (Not Started)

1. **Dashboard Enhancement** - Add activity feed, alerts, quick actions
2. **Server-Side Inquiry Filtering** - Move filters to backend API
3. **Form Validation** - Add real-time inline validation everywhere
4. **Empty/Loading States** - Consistent across all pages
5. **Family Profile Links** - Link from inquiry to family profile

Priority 3: Polish (Not Started)

1. **Clarify Lead Systems** - Document Inquiry vs Lead distinction
2. **Resident Timeline/Notes** - UI for resident history
3. **Mobile Optimization** - Responsive tables, touch targets
4. **Visual Polish** - Match Aide/Provider design quality

Testing Checklist

Manual Testing

- [x] Create new resident
- [x] Create new home
- [x] Edit operator profile
- [x] Upload home photos
- [x] Message family from inquiry
- [x] Edit home with all fields
- [ ] Navigation works from all pages
- [ ] All forms validate correctly
- [ ] RBAC enforced (operator-only access)

Regression Testing

- [ ] Family flows still work
- [ ] Aide marketplace unaffected
- [ ] Provider marketplace unaffected
- [ ] Admin console still functional

Known Issues

1. **Breadcrumbs Not Universal** - Need to create breadcrumb component and add to all pages
2. **No Inquiry API Filtering** - Filters still client-side
3. **Inconsistent Empty States** - Some pages need empty state components
4. **No Dashboard Enhancements** - Still basic KPI cards

Deployment Notes

Database Migrations

- No new migrations required
- All changes use existing schema

Environment Variables

- No new env vars needed
- S3 configuration already present for photo uploads

API Changes

New Endpoints:
- `GET /api/operator/profile`
- `PATCH /api/operator/profile`

Modified Endpoints:
- None (only UI changes)

Commits

1. **7b2536b** - feat(operator): Implement Priority 1 critical fixes
   - Resident/home creation pages
   - Operator profile management
   - Messaging integration
   - Enhanced home edit form

2. **2f79320** - feat(operator): Add photo gallery management for homes
   - PhotoGalleryManager component
   - Integrated into home edit page

Summary

Priority 1 Progress: 85% Complete (5.5 / 6.5 tasks)

Completed:

✅ Resident creation page
✅ Home creation page
✅ Operator profile management
✅ Photo upload UI
✅ Messaging integration
✅ Enhanced home edit form

Remaining:

⚠️ Universal breadcrumb navigation (50% complete)

Impact:

- Operators can now create and manage homes with photos
- Operators can create and track residents
- Operators can manage their business profile
- Operators can message families directly from inquiries
- All critical workflows now functional

Next Steps

1. **Complete Priority 1:**
   - Create Breadcrumbs component
   - Add to all operator pages

2. **Start Priority 2:**
   - Enhance dashboard with activity feed
   - Implement server-side filtering
   - Add consistent states everywhere

3. **Testing:**
   - Manual test all new features
   - Verify RBAC enforcement
   - Check for regressions

4. **Documentation:**
   - Update mvp_status_operator.md
   - Create operator user guide
   - Update API documentation

Last Updated: December 8, 2025
Next Review: After Priority 2 completion