

Multi-Flow Implementation Guide for Bhoomitali Real Estate Platform

This guide provides detailed instructions for implementing four new property flows in the Bhoomitali Real Estate Platform: Commercial Sale, Commercial Co-working, Land/Plot Sale, and Residential Flatmates.

Common Implementation Steps

For each flow, follow these general steps:

1. Update constants and add flow-specific constants
2. Create flow-specific form components
3. Update navigation and step detection logic
4. Update form content rendering
5. Update property summary display
6. Test each flow end-to-end

Files Requiring Modification for All Flows

1. **src/modules/owner/components/property/wizard/constants/flows.ts**
 - Add new flow sequences for all four property types
 - Define appropriate step order for each flow
2. **src/modules/owner/components/property/wizard/constants/common.ts**
 - Add new step definitions for any flow-specific steps
3. **src/modules/owner/components/property/wizard/PropertyTypeSelection.tsx**
 - Update to handle all new property types
 - Ensure proper URL-friendly conversion for each type
4. **src/modules/owner/components/property/wizard/PropertyForm/hooks/useStepNavigation.ts**
 - Add flow detection logic for each new property type
 - Update step sequences and visible steps logic
5. **src/modules/owner/components/property/wizard/PropertyForm/index.tsx**
 - Add detection for all new property types

- Update flow steps determination for each flow
- 6. **src/modules/owner/components/property/wizard/PropertyForm/components/FormContent.tsx**
 - Add conditional rendering for all new flow components
 - Update props interface to include new flow type flags
- 7. **src/modules/owner/components/property/wizard/components/FormNavigation.tsx**
 - Update property type detection to include all new flows
 - Update visible steps filtering for each flow
- 8. **src/modules/owner/components/property/wizard/sections/PropertySummary.tsx**
 - Add detection for each property type
 - Add summary sections for each flow type

Flow-Specific Implementation Details

1. Commercial Sale Flow

New Constants File:

`src/modules/owner/components/property/wizard/constants/commercialSaleDetails.ts`

```
export const COMMERCIAL_SALE_PROPERTY_TYPES = [
  'Office Space',
  'Shop/Showroom',
  'Commercial Land',
  'Industrial Building',
  'Warehouse/Godown',
  'Industrial Shed',
  'Hotel/Resort',
  'Restaurant/Cafe',
  'Guest House',
  'Banquet Hall'
] as const;
```

```
export const COMMERCIAL_PRICE_OPTIONS = [
  'Fixed',
  'Negotiable',
  'Price on Request'
] as const;
```

```
export const COMMERCIAL_OWNERSHIP_OPTIONS = [  
  'Freehold',  
  'Leasehold',  
  'Co-operative Society',  
  'Power of Attorney'  
] as const;
```

```
export const TRANSACTION_TYPES = [  
  'New Property',  
  'Resale'  
] as const;
```

```
export const APPROVED_USAGE_TYPES = [  
  'Commercial',  
  'Retail',  
  'Industrial',  
  'Hospitality',  
  'Mixed Use'  
] as const;
```

New Component File:

`src/modules/owner/components/property/wizard/sections/CommercialSaleDetails.tsx`

- Create a form for Commercial Sale specific fields:
 - Expected price and price per sq. ft/yard
 - Ownership details and title deed information
 - Ready to move or under construction status
 - Possession date and transaction type
 - Age of property (for resale)
 - Tax details and approved usage types

Flow Sequence:

```
COMMERCIAL_SALE: [  
  STEP_DEFINITIONS.details,  
  STEP_DEFINITIONS.location,  
  STEP_DEFINITIONS.commercial_sale,  
  STEP_DEFINITIONS.features,  
  STEP_DEFINITIONS.review,  
  STEP_DEFINITIONS.photos  
]
```

2. Commercial Co-working Flow

New Constants File:

`src/modules/owner/components/property/wizard/constants/coworkingDetails.ts`

```
export const COWORKING_SPACE_TYPES = [  
  'Private Office',  
  'Dedicated Desk',  
  'Hot Desk',  
  'Meeting Room',  
  'Conference Room',  
  'Event Space',  
  'Virtual Office'  
] as const;
```

```
export const COWORKING_LEASE_TERMS = [  
  'Daily',  
  'Weekly',  
  'Monthly',  
  'Quarterly',  
  'Annually',  
  'Custom'  
] as const;
```

```
export const COWORKING_AMENITIES = [  
  'High-speed Internet',  
  'Meeting Rooms',  
  'Reception Services',  
  'Printer/Scanner/Copier',  
  'Kitchen/Pantry',  
  'Coffee/Tea',  
  'Mail Handling',  
  'Phone Booths',  
  '24/7 Access',  
  'Security',  
  'Cleaning Services',  
  'Networking Events'  
] as const;
```

```
export const DESK_TYPES = [  
  'Standing Desk',  
  'Standard Desk',  
]
```

```
'Ergonomic Desk',  
'Custom Desk'  
] as const;
```

New Component File:

```
src/modules/owner/components/property/wizard/sections/CoworkingDetails  
.tsx
```

- Create a form for Co-working specific fields:
 - Workspace types (private office, dedicated desk, etc.)
 - Capacity (number of seats/desks available)
 - Pricing structure (per seat, per office, etc.)
 - Lease terms and booking options
 - Co-working specific amenities
 - Operating hours and access policy

Flow Sequence:

```
COMMERCIAL_COWORKING: [  
  STEP_DEFINITIONS.details,  
  STEP_DEFINITIONS.location,  
  STEP_DEFINITIONS.coworking,  
  STEP_DEFINITIONS.features,  
  STEP_DEFINITIONS.review,  
  STEP_DEFINITIONS.photos  
]
```

3. Land/Plot Sale Flow

New Constants File:

```
src/modules/owner/components/property/wizard/constants/landDetails.ts
```

```
export const LAND_TYPES = [  
  'Residential Plot',  
  'Commercial Plot',  
  'Agricultural Land',  
  'Industrial Land',  
  'Mixed-use Land'  
] as const;
```

```
export const PLOT_FACING = [  
  'North',
```

```

'South',
'East',
'West',
'North-East',
'North-West',
'South-East',
'South-West',
'Corner Plot'
] as const;

export const APPROVAL_STATUS = [
  'HMDA Approved',
  'DTCP Approved',
  'Panchayat Approved',
  'Corporation Approved',
  'Unapproved'
] as const;

export const BOUNDARY_TYPES = [
  'Compound Wall',
  'Fencing',
  'No Boundary',
  'Partial Boundary'
] as const;

```

New Component File:

[src/modules/owner/components/property/wizard/sections/LandDetails.tsx](#)

- Create a form for Land/Plot specific fields:
 - Plot dimensions and area details
 - Land type and usage classification
 - Approval status and document details
 - Floor Space Index (FSI) and development potential
 - Boundary details and plot features
 - Soil type and topography
 - Water, electricity, and road connectivity
 - Nearby landmarks and development status

Flow Sequence:

```

LAND_SALE: [
  STEP_DEFINITIONS.land_details,
  STEP_DEFINITIONS.location,
  STEP_DEFINITIONS.land_features,

```

```
STEP_DEFINITIONS.review,  
STEP_DEFINITIONS.photos  
]
```

4. Residential Flatmates Flow

New Constants File:

```
src/modules/owner/components/property/wizard/constants/flatmateDetails  
.ts
```

```
export const FLATMATE_PREFERENCES = [  
  'Students',  
  'Working Professionals',  
  'Either Student or Working',  
  'Family',  
  'Couples'  
] as const;
```

```
export const GENDER_PREFERENCES = [  
  'Male',  
  'Female',  
  'Any Gender'  
] as const;
```

```
export const ROOM_SHARING_OPTIONS = [  
  'Private Room',  
  'Shared Room (2 People)',  
  'Shared Room (3+ People)'  
] as const;
```

```
export const OCCUPANCY_STATUS = [  
  'Available Immediately',  
  'Available from Specific Date',  
  'Occupied, Finding Replacement'  
] as const;
```

```
export const HOUSE_RULES = [  
  'No Smoking',  
  'No Alcohol',  
  'No Pets',  
  'No Loud Music after 10 PM',  
  'No Overnight Guests',
```

```
'Vegetarian Only',  
'No Parties'  
] as const;
```

New Component File:

```
src/modules/owner/components/property/wizard/sections/FlatmateDetails.  
tsx
```

- Create a form for Flatmate specific fields:
 - Flatmate preferences (gender, age, occupation)
 - Room details (private/shared, attached bathroom)
 - Current occupants information
 - Rent sharing and additional expenses
 - House rules and lifestyle preferences
 - Lease terms for flatmates
 - Common area details and sharing arrangements

Flow Sequence:

```
RESIDENTIAL_FLATMATES: [  
  STEP_DEFINITIONS.details,  
  STEP_DEFINITIONS.location,  
  STEP_DEFINITIONS.flatmate_details,  
  STEP_DEFINITIONS.features,  
  STEP_DEFINITIONS.review,  
  STEP_DEFINITIONS.photos  
]
```

Implementation Strategy

To efficiently implement all four flows, consider this strategy:

1. **Create All Constants First**
 - Implement all constant files for all four flows
 - Update common constants and flow definitions
2. **Implement Detection Logic**
 - Update all detection logic in useStepNavigation.ts
 - Add flow type detection in PropertyForm/index.tsx
3. **Create Flow-Specific Components**

- Implement all four specific component files
- Ensure proper validation and field handling
- 4. Update Form Content**
 - Add conditional rendering for all new components
 - Pass appropriate props based on flow type
- 5. Update PropertySummary**
 - Add detection for all four property types
 - Create display sections for each property type
- 6. Test Each Flow Sequentially**
 - Start with Commercial Sale (most similar to Commercial Rent)
 - Then implement Land/Plot Sale (most different)
 - Then implement Commercial Co-working
 - Finally implement Residential Flatmates

This strategy allows for efficient reuse of code patterns while ensuring each flow has its unique features and validation requirements.

Testing Checklist for Each Flow

For each flow, verify the following:

1. Property type selection works correctly
2. Navigation between steps follows the correct sequence
3. Form fields save properly between steps
4. Validation works correctly for required fields
5. Summary displays all relevant information
6. Saving and publishing works correctly
7. Photo upload step is accessible after saving

By following this implementation guide, you can efficiently add all four new property flows to the Bhoomitalli Real Estate Platform while maintaining code consistency and quality.