

PropertySummary Refactoring Specification (Final)

Objective

Refactor the PropertySummary component with a direct mapping to the existing step metadata, ensuring consistency with the rest of the application.

Leveraging Existing STEP_METADATA

We'll use the existing STEP_METADATA from flows.ts as the source of truth for section names and icons:

```
// registry/sectionComponentRegistry.ts
import { ComponentType } from 'react';
import { STEP_METADATA } from '../../constants/flows';
// Import section components

// Map section IDs to section components, using the same IDs as in STEP_METADATA
export const SECTION_COMPONENT_REGISTRY: Record<string, ComponentType<any>>
= {
  // Residential rent
  'res_rent_basic_details': PropertyDetailsSection,
  'res_rent_location': LocationSection,
  'res_rent_rental': RentalDetailsSection,
  'res_rent_features': AmenitiesSection,

  // Residential sale
  'res_sale_basic_details': PropertyDetailsSection,
  'res_sale_location': LocationSection,
  'res_sale_sale_details': SaleDetailsSection,
  'res_sale_features': AmenitiesSection,

  // Residential flatmates
  'res_flat_basic_details': RoomDetailsSection,
  'res_flat_location': LocationSection,
  'res_flat_flatmate_details': FlatmateDetailsSection,
  'res_flat_features': AmenitiesSection,

  // Residential PG/Hostel
  'res_pg_basic_details': RoomDetailsSection,
  'res_pg_location': LocationSection,
  'res_pg_pg_details': PGDetailsSection,
```

```

'res_pg_features': AmenitiesSection,

// Commercial rent
'com_rent_basic_details': CommercialBasicDetailsSection,
'com_rent_location': LocationSection,
'com_rent_rental': RentalDetailsSection,
'com_rent_features': CommercialFeaturesSection,

// Commercial sale
'com_sale_basic_details': CommercialBasicDetailsSection,
'com_sale_location': LocationSection,
'com_sale_sale_details': CommercialSaleDetailsSection,
'com_sale_features': CommercialFeaturesSection,

// Commercial coworking
'com_cow_basic_details': CoworkingBasicDetailsSection,
'com_cow_location': LocationSection,
'com_cow_coworking_details': CoworkingDetailsSection,
'com_cow_features': AmenitiesSection,

// Land sale
'land_sale_basic_details': LandDetailsSection,
'land_sale_location': LocationSection,
'land_sale_land_features': LandFeaturesDetailsSection
};

// Function to get a section component with metadata
export function getSectionWithMetadata(sectionId: string) {
  const Component = SECTION_COMPONENT_REGISTRY[sectionId];
  const metadata = STEP_METADATA[sectionId];

  if (!Component) {
    console.warn(`No component found for section ID: ${sectionId}`);
    return {
      Component: FallbackSection,
      metadata: {
        name: sectionId.replace(/_/g, ' '),
        icon: null
      }
    };
  }

  return {
    Component,
    metadata
  };
}

```

Revised Folder Structure (Based on STEP_METADATA Component Names)

src/modules/owner/components/property/wizard/sections/PropertySummary/

- index.tsx # Main export point
- PropertySummaryPage.tsx # Entry point component
- components/
 - SummaryHeader.tsx # Property type + listing type header
 - SummaryContent.tsx # Flow-specific content container
 - fields/ # Reusable field renderers
 - FieldText.tsx
 - FieldBoolean.tsx
 - FieldCurrency.tsx
 - FieldArea.tsx
 - FieldList.tsx
- flows/
 - base/
 - BaseSummaryFlow.tsx # Universal base flow component
 - ResidentialSaleSummary.tsx
 - ResidentialRentSummary.tsx
 - ResidentialPGHostelSummary.tsx
 - ResidentialFlatmatesSummary.tsx
 - CommercialSaleSummary.tsx
 - CommercialRentSummary.tsx
 - CommercialCoworkingSummary.tsx
 - LandSaleSummary.tsx
 - FlowFactory.tsx # Factory to create the right flow component
- sections/ # Using exact component names from STEP_METADATA
 - PropertyDetailsSection.tsx # For "Property Details" (residential)
 - LocationSection.tsx # For "Location" (all flows)
 - RentalDetailsSection.tsx # For "Rental Details"
 - SaleDetailsSection.tsx # For "Sale Details"
 - RoomDetailsSection.tsx # For "Room Details" (flatmates/PG)
 - PGDetailsSection.tsx # For "PG Details"
 - FlatmateDetailsSection.tsx # For "Flatmate Details"
 - CommercialBasicDetailsSection.tsx # For "Comm. Prop. Details"
 - CommercialSaleDetailsSection.tsx # For "Sale Details" (commercial)
 - CommercialFeaturesSection.tsx # For "Features" (commercial)
 - CoworkingBasicDetailsSection.tsx # For "Basic Details" (coworking)
 - CoworkingDetailsSection.tsx # For "Coworking Details"
 - LandDetailsSection.tsx # For "Land/Plot Details"
 - LandFeaturesDetailsSection.tsx # For "Land Features"
 - AmenitiesSection.tsx # For "Features" (residential/coworking)
- registry/
 - sectionComponentRegistry.ts # Maps section IDs to components
- hooks/
 - useFlowDetection.ts # Existing hook for detecting flow type

— usePropertyData.ts	# Existing hook for data extraction
— useSummaryData.ts	# New hook for summary data processing
— usePropertyTitle.ts	# Existing hook for title management
— services/	
— dataExtractor.ts	# Existing service for data extraction
— dataFormatter.ts	# Existing service for data formatting
— flowDetector.ts	# Existing service for flow detection
— titleGenerator.ts	# Existing service for title generation
— types.ts	# Extended type definitions

Implementation Example with STEP_METADATA

Base Summary Flow Component

```
// flows/base/BaseSummaryFlow.tsx
import React from 'react';
import { getSectionWithMetadata } from '../../registry/sectionComponentRegistry';
import { SummarySection } from '../../sections/SummarySection';
import { FormData } from '../../types';

export interface BaseSummaryFlowProps {
  formData: FormData;
}

export abstract class BaseSummaryFlow extends
React.Component<BaseSummaryFlowProps> {
  // Abstract method that must be implemented by all flow components
  abstract getSectionIds(): string[];

  render() {
    const { formData } = this.props;
    const sectionIds = this.getSectionIds();

    return (
      <div className="space-y-6">
        {sectionIds.map(sectionId => {
          // Get both the component and metadata in one call
          const { Component, metadata } = getSectionWithMetadata(sectionId);
          const sectionData = formData.steps?.[sectionId] || {};

          return (
            <SummarySection
              key={sectionId}
              title={metadata.name}
              icon={metadata.icon && <metadata.icon className="h-4 w-4" />}
            >

```

```

        <Component
          data={sectionData}
          flowType={formData.flow?.category}
          listingType={formData.flow?.listingType}
        />
      </SummarySection>
    );
  }}}
</div>
);
}
}

```

Residential Sale Flow Component (Example)

```

// flows/ResidentialSaleSummary.tsx
import { BaseSummaryFlow } from '../base/BaseSummaryFlow';

export class ResidentialSaleSummary extends BaseSummaryFlow {
  // Use the exact section IDs from STEP_METADATA
  getSectionIds(): string[] {
    return [
      'res_sale_basic_details', // "Property Details"
      'res_sale_location',      // "Location"
      'res_sale_sale_details',  // "Sale Details"
      'res_sale_features'       // "Features"
    ];
  }
}

```

Flow Factory (with FLOW_TYPES)

```

// flows/FlowFactory.tsx
import { FLOW_TYPES } from '../constants/flows';
import { BaseSummaryFlow } from '../base/BaseSummaryFlow';
import { ResidentialSaleSummary } from './ResidentialSaleSummary';
import { ResidentialRentSummary } from './ResidentialRentSummary';
// ... other flow component imports

export class FlowFactory {
  static getFlowComponent(flowType: string): typeof BaseSummaryFlow {
    switch (flowType) {
      case FLOW_TYPES.RESIDENTIAL_SALE:
        return ResidentialSaleSummary;
      case FLOW_TYPES.RESIDENTIAL_RENT:
        return ResidentialRentSummary;
      case FLOW_TYPES.RESIDENTIAL_PGHOSTEL:

```

```

    return ResidentialPGHostelSummary;
  case FLOW_TYPES.RESIDENTIAL_FLATMATES:
    return ResidentialFlatmatesSummary;
  case FLOW_TYPES.COMMERCIAL_SALE:
    return CommercialSaleSummary;
  case FLOW_TYPES.COMMERCIAL_RENT:
    return CommercialRentSummary;
  case FLOW_TYPES.COMMERCIAL_COWORKING:
    return CommercialCoworkingSummary;
  case FLOW_TYPES.LAND_SALE:
    return LandSaleSummary;
  default:
    console.warn(`Unknown flow type: ${flowType}, using default flow`);
    return ResidentialRentSummary; // Default fallback
  }
}
}
}

```

Section Component Example

```

// sections/PropertyDetailsSection.tsx - For "Property Details" in residential flows
import React from 'react';
import { FieldText } from '../components/fields/FieldText';
import { FieldBoolean } from '../components/fields/FieldBoolean';
import { FieldArea } from '../components/fields/FieldArea';

interface PropertyDetailsSectionProps {
  data: any;
  flowType?: string;
  listingType?: string;
}

export const PropertyDetailsSection: React.FC<PropertyDetailsSectionProps> = ({
  data,
  flowType,
  listingType
}) => {
  if (!data) return null;

  return (
    <div className="grid grid-cols-1 md:grid-cols-2 gap-4">
      {data.title && (
        <FieldText label="Title" value={data.title} />
      )}
      {data.propertyType && (
        <FieldText label="Property Type" value={data.propertyType} />
      )}
    </div>
  )
}

```

```

{data.bhkType && (
  <FieldText label="BHK Type" value={data.bhkType} />
)}
{data.bedrooms && (
  <FieldText label="Bedrooms" value={data.bedrooms} />
)}
{data.bathrooms && (
  <FieldText label="Bathrooms" value={data.bathrooms} />
)}
{data.builtUpArea && (
  <FieldArea
    label="Built-up Area"
    value={data.builtUpArea}
    unit={data.builtUpAreaUnit || 'sqft'}
  />
)}
{/* Add additional fields as needed */}
</div>
);
};

```

Benefits of This Approach

1. **Consistency with existing code:** Uses the same section IDs and names from STEP_METADATA
2. **Reuse of existing metadata:** Leverages icons and descriptions already defined
3. **Clear mapping:** Explicit mapping between section IDs and component implementations
4. **Type safety:** Strong typing throughout the codebase
5. **Flexibility:** Each flow defines exactly which sections to include and in what order
6. **Maintainability:** Changes to section rendering logic can be made in one place
7. **Extensibility:** Easy to add new flow types or section components

This updated architecture ensures that the PropertySummary component is consistent with the existing STEP_METADATA definitions, making the codebase more maintainable and easier to understand.