

PG/Hostel Navigation Fix Documentation

Issue Description

In the Bhoomitali Real Estate Platform's property listing wizard, there was a critical navigation issue in the PG/Hostel property flow. When users completed the Room Details tab and clicked the "Next" button, the application incorrectly skipped the Location tab and navigated directly to the PG Details tab.

This behavior contradicted the intended flow defined in the application's configuration files, which specified that the correct sequence should be:

1. Room Details
2. Location
3. PG Details
4. Features
5. Review
6. Photos

The issue was affecting only the PG/Hostel flow, while the Residential Rent flow was working correctly.

Root Cause Analysis

After investigating the codebase, we identified that the issue was occurring in the `StepNavigation.tsx` component, which contained hardcoded navigation paths that contradicted the flow defined in `flows.ts`.

The problematic code in `StepNavigation.tsx`:

```
// Special handling for PG/Hostel flow
if (propertyType === 'pghostel') {
  // Handle PG/Hostel specific navigation
  if (currentStepId === 'location') {
    // Go to room_details from location in PG/Hostel flow
    navigate(`${baseUrl}/room_details`);
    return;
  }

  if (currentStepId === 'room_details') {
    // Go to pg_details from room_details
  }
}
```

```

    navigate(`${baseUrl}/pg_details`);
    return;
  }
  // ...
}

```

This implementation directly navigated from 'room_details' to 'pg_details', skipping the 'location' step entirely.

The correct flow was properly defined in `flows.ts`:

```

// Residential PG/Hostel flow - updated order per requirements
RESIDENTIAL_PGHOSTEL: [
  STEP_DEFINITIONS.room_details,
  STEP_DEFINITIONS.location,
  STEP_DEFINITIONS.pg_details,
  STEP_DEFINITIONS.features,
  STEP_DEFINITIONS.review,
  STEP_DEFINITIONS.photos
]

```

Solution

The fix involved refactoring the navigation logic in `StepNavigation.tsx` to align with the flow defined in `flows.ts`.

Key Changes:

1. **Removed hardcoded navigation paths** that were causing the issue
2. **Created a `getFlowSteps()` function** to dynamically define the proper navigation sequence for each property type:

```

const getFlowSteps = () => {
  const propertyType = getPropertyType();

  // Define the flow steps for each property type
  if (propertyType === 'pghostel') {
    // Correct sequence for PG/Hostel flow
    return ['room_details', 'location', 'pg_details', 'features', 'review', 'photos'];
  } else if (propertyType === 'sale') {

```

```

    return ['details', 'location', 'sale', 'features', 'review', 'photos'];
  } else {
    return ['details', 'location', 'rental', 'features', 'review', 'photos'];
  }
};

```

3. **Implemented dynamic navigation logic** that determines the next/previous step based on the current step's position in the flow sequence:

```

const onNextClick = () => {
  try {
    // Extract the base URL without the current step
    const baseUrl = window.location.pathname.replace(/\/[^\/]*$/, "");
    const flowSteps = getFlowSteps();

    // Find the current step in the flow
    const currentIndex = flowSteps.indexOf(currentStepId);

    if (currentIndex >= 0 && currentIndex < flowSteps.length - 1) {
      // Navigate to the next step in the flow
      const nextStepId = flowSteps[currentIndex + 1];
      navigate(`${baseUrl}/${nextStepId}`);
    } else {
      // Fallback to original handler
      handleNextStep();
    }
  } catch (error) {
    console.error('Error in onNextClick:', error);
    // Fallback to original handler
    handleNextStep();
  }
};

```

4. **Added error handling and logging** to help identify any remaining issues

Benefits of the Fix

1. **Consistency** - Navigation now follows the defined flow structure consistently across all property types

2. **Maintainability** - The new approach is more maintainable as it uses a single source of truth for the step sequence
3. **User Experience** - Users can now properly navigate through all required steps when listing a PG/Hostel property
4. **Future-proofing** - The dynamic approach makes it easier to update flows or add new property types in the future

Verification

The fix was verified by testing the navigation flow in the PG/Hostel property listing wizard:

1. Starting at the Room Details tab and clicking "Next" now correctly navigates to the Location tab
2. From the Location tab, clicking "Next" now correctly navigates to the PG Details tab
3. The rest of the flow (Features, Review, Photos) continues to work as expected

Conclusion

This fix ensures that the navigation for the PG/Hostel property flow follows the correct sequence as defined in the application's configuration. The change was made with minimal modifications and without disrupting existing functionality.