

# Part 1: Enhancing the Data Model and UI

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## 1. Correcting the Data Source

We start with a basic CDS view selecting from `zproduct`. For our full demo, we need to switch this to our demo table `zproduct_demo` which contains all the necessary fields.

**Action:** Change the selection source.

```
define root view entity ZIW_Products  
  as select from zproduct_demo
```

## 2. Adding Fields

We need to expose more fields to build a complete application.

- `prd_name` : Product Name
- `prd_price` : Price
- `prd_currency` : Currency Code
- `last_changed_at` : For ETag (optimistic locking)

## 3. Adding Annotations

Annotations drive the UI and behavior of the application.

### UI Annotations

These control how fields appear in the Fiori Elements app.

- `@UI.lineItem` : Columns in the list report.
- `@UI.identification` : Fields in the object page header/body.
- `@UI.fieldGroup` : Grouping fields together.
- `@UI.headerInfo` : Title and description for the object page.

### Search Annotations

- `@Search.searchable: true` : Enables the search bar.
- `@Search.defaultSearchElement: true` : Specifies which field is searched (e.g., Product ID).

## Semantic Annotations

These tell the framework about the nature of the data.

- `@Semantics.amount.currencyCode` : Links a price field to its currency field.
- `@Semantics.systemDateTime.lastChangedAt` : Automatically handles the ETag for concurrency control.

### Final Result:

The CDS view should now look like a rich data model ready for the UI.