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Developing Forms

Developers can create a variety of different application forms either manually or by using wizards. Some forms enable users to update a single row in a table, while other forms enable users to update multiple rows in a table.

- Understanding Form Types (page 10-1)
  When creating a database application, developers can create three basic form types: editable interactive grid, form on a table, or a master detail.

- Creating a Form (page 10-5)
  Developers can create forms using a number of wizards including the Create Application Wizard, Create Page Wizard, and Create Region Wizard.

- About Making an Interactive Grid Editable (page 10-11)
  Developers determine whether the underlying data is read-only or editable by users. An interactive grid presents users a set of data in a searchable, customizable report. In an editable interactive grid, users can also add to, modify, and refresh the data set directly on the page.

- Managing Master Detail Forms (page 10-11)
  Developers can create a master detail form with either the Create Application Wizard or the Create Page Wizard.

- Validating User Input in Forms (page 10-20)
  Developers can create validation and an associated error message to check the data a user enters before processing.

- Understanding BLOB Support in Forms (page 10-21)
  Oracle Application Express includes BLOB support to enable developers to declaratively upload and download files in forms.
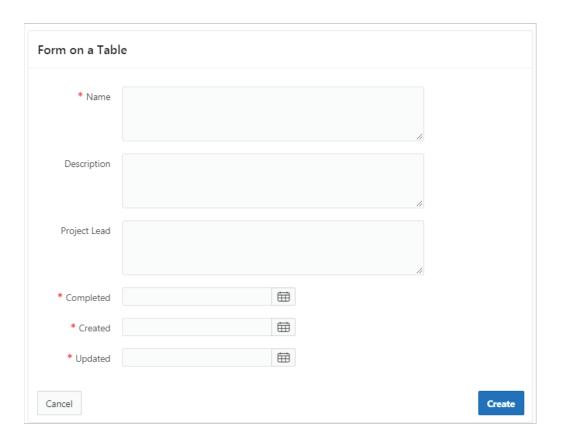
> ✎ **See Also:**
>
> - "Creating a Legacy Master Detail Form (page 25-12)"
> - "Managing Legacy Tabular Forms (page 25-15)"
> - "Developing Reports (page 9-1)"

10.1 Understanding Form Types

When creating a database application, developers can create three basic form types: editable interactive grid, form on a table, or a master detail.

- Editable Interactive Grid (page 10-2)
  An interactive grid presents users with a set of data in a searchable, customizable report. In an editable interactive grid, users can also add to, modify, and refresh the data set directly on the page.

Form on a Table

* Name

Description

Project Lead

* Completed

* Created

* Updated

Cancel   Create

10.1.3 Master Detail Forms

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A master detail form reflects a one-to-many relationship between two tables in a database. Master detail forms enable users to insert, update, and delete values from two tables or views.

Typically, a master detail form displays a master row and multiple detail rows within a single HTML form. Developers can create a single page or two page master detail.

Single Page Master Detail

A single page master detail features two editable interactive grids based on two related tables or views. Users select a row on the master grid to update the detail grid. In this example, the user selects a department on the master grid to view employees in the detail grid. Developers can create a single page master detail with either the Create Application Wizard or the Create Page Wizard.