

App Building Blocks (MVC)

<i>User Interface</i>	Apps Tabs Page Layouts Record Types
<i>Business Logic</i>	Workflow Validation Rules Approval Process
<i>Data Model</i>	Objects Fields Relationships

Force.com developer guide Objects overview

<http://jr0cket.github.io/developer-guides>

Objects in the Org

Objects define the data model for all the apps in your Org, allowing you to capture data and establish relationships

Apps are composed of one or more objects

Objects are visualised in a Tab using:

Standard Fields Custom Fields Page Layouts
Record Types Related Lists

Standard Objects

Standard Objects that form the Data Model for specific editions of Salesforce

Platform

Contact (a person) Customer (a company)

CRM

Accounts Leads Opportunities

Custom Objects

Add custom behaviour to the Org

7 Standard Fields

ID unique key - 15 digits case sensitive / 18 digits insensitive, first 3 digits represent object type, not updateable

Name short description of record contents, Required, Indexed, Not unique, Modifiable

Owner user or queue, defaults to record creator, owner granted additional privileges

Created by **Created Date** **Last Modified by** **Last Modified Date** system assigned

Custom Field Types

(Limited on number of custom fields dependant on Salesforce edition)

Auto Number Number Formula Rollup summary Lookup Master-Detail

Checkbox* Currency Date Date/Time Email Geolocation Number Percent Phone URL

Picklist* Picklist (multi-select)* Text Text Area Text Area (long) Text Area (rich) Text Area (encrypted)

(* Field dependencies can be used with Checkbox & Picklists - eg Continent, Country)

Custom Field Properties

Name Web Services API name, also used in Formulas, __c appended to custom object and field names

Label label name as displayed in the user interface (multi-lingual)

Required a value must be entered to complete the record

Unique a value must be unique from all other existing records to complete the record

External ID **Text**, **Email**, **Autonumber** - the value is a key from an external system (max: 3 per object)

Default Value a formula to generate a default value for the record

Help Text mouse-over triggered text pop-up describing the purpose of a field

Standard Relationships

Lookup

Master-Detail

See the Object Relationship guide for more information

Custom Relationships

Hierarchical

Self

1 to Many

Many to Many

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