

# App Building Blocks (MVC)

# Force.com developer Business Logic

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

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

Cross-object Formula  
Roll up summary Fields

## Formula Fields

Excel-like formula calculations  
can reference standard, custom, or formula fields & fields on related objects

## Cross-object Formulas

merge fields from multiple objects ie. parent\_\_r.child\_\_c  
reference fields on parents objects up to 10 levels  
limited to 10 unique relationships per object across all formula & rules



eg. Interviewer object has relationship with Position, get the value of Status field in Position:  
Position\_\_r.Status\_\_c

## Roll up summary Fields

Read-Only formula fields - sum, min, max, record count - for a field in a related list  
For all Master-Detail relationships  
Can filter results by a specified criteria

## Formula Functions

ABS AND BEGINS BLANKVALUE BR CASE CASESAFEID CELING CONTAINS  
DATE DATEVALUE DAY DISTANCE EXP FIND FLOOR GEOLOCATION GETSESSIONID  
HYPERLINK IF IMAGE INCLUDES ISBLANK ISNULL ISNUMBER ISPICKVAL ISPICKLIST  
LEFT LEN LN LOG LOWER LPAD MAX MID MIN MOD MONTH NOT NILL NULLVALUE  
OR RIGHT ROUND RPAD SQRT SUBSTITUTE TEXT TODAY TRIM UPPER VALUE YEAR

## Workflow

actions triggered by .... doing ....

### SNAFU

**Foo** unique key - 15 digits case sensitve / 18 digits insensitive, first 3 digits represent object type, not updateable  
**Bar** short description of record contents, Required, Indexed, Not unique, Modifyable  
**Nana** user or queue, defaults to record creator, owner granted additional priveleges

## Approval Process

approvals of ...

### SNAFU

**Foo** unique key - 15 digits case sensitve / 18 digits insensitive, first 3 digits represent object type, not updateable  
**Bar** short description of record contents, Required, Indexed, Not unique, Modifyable  
**Nana** user or queue, defaults to record creator, owner granted additional priveleges

## Validation Rules

blah blah blah

### SNAFU

**Foo** unique key - 15 digits case sensitve / 18 digits insensitive, first 3 digits represent object type, not updateable  
**Bar** short description of record contents, Required, Indexed, Not unique, Modifyable  
**Nana** user or queue, defaults to record creator, owner granted additional priveleges