

CRUD Operation	SQL	HTTP / REST	Rails Controller	Rails View	Rails Comments
CREATE	INSERT	GET /items/new	new	show.erb (with empty form)	First GET the form
		POST /items	create	<redirect to index or route page>	Then CREATE item
READ	SELECT	GET /items	index	index.erb	Returns a list
		GET /items/:id]	show	show.erb (with RO pre-populated form)	Returns a single item
UPDATE	UPDATE	GET /items/:id]/edit	edit	show.erb (with editable pre-populated form)	First GET the item to edit
		PUT or PATCH /items/:id]	update	<redirect to index or show route>	Then UPDATE with changes
DELETE	DELETE	DELETE /items/:id]	destroy	<modal dialog> <redirect to index route>	DELETE an item

This chart shows how CRUD operations are implemented in SQL, HTTP / REST, and the Rails controller methods.

There are 4 CRUD operations, 7 Rails controller methods, and 2 views because:

(a) there are separate methods for reading a list vs. reading a single item;

(b) the CREATE and UPDATE operations each map to 2 Rails Controller methods so that a form can be returned for creating or editing an item.

(c) the show.erb view can handle Creating a new item, Viewing an existing item's details, and Updating an existing item.
