

ORACLE®

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- Developer in Doc Engineering @oracle
- Been at Oracle since 1996
- Apex Developer since 2006
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Oracle Speakers @ ApexWorld 2019



Joel Kallman

Oracle APEX: The Prognostication

Monday, 09:15 - Theatre



Koen Lostrie

The “Create App Wizard”: Here is the magic

Monday, 11:40 - Odyssee Room



Chris Saxon

18(ish) Things Developers Will Love about Oracle Database 18c

Monday, 13:30 - La Fontaine Room



Jason Straub

APEX and Multitenant: What you need to know

Tuesday, 09:15 - Theatre



Connor McDonald

Pattern Matching - the most powerful SQL functions you've ever seen

Tuesday, 10:40 - Theatre



Colm Divilly

The Next Ten Years of the Web

Tuesday, 13:30 - Grand Ballroom



Hilary Farrell

Extend your APEX Application with Oracle JET

Tuesday, 14:30 - Theatre



Shakeeb Rahman

Mastering Mobile UI with Universal Theme

Tuesday, 16:00 - Theatre

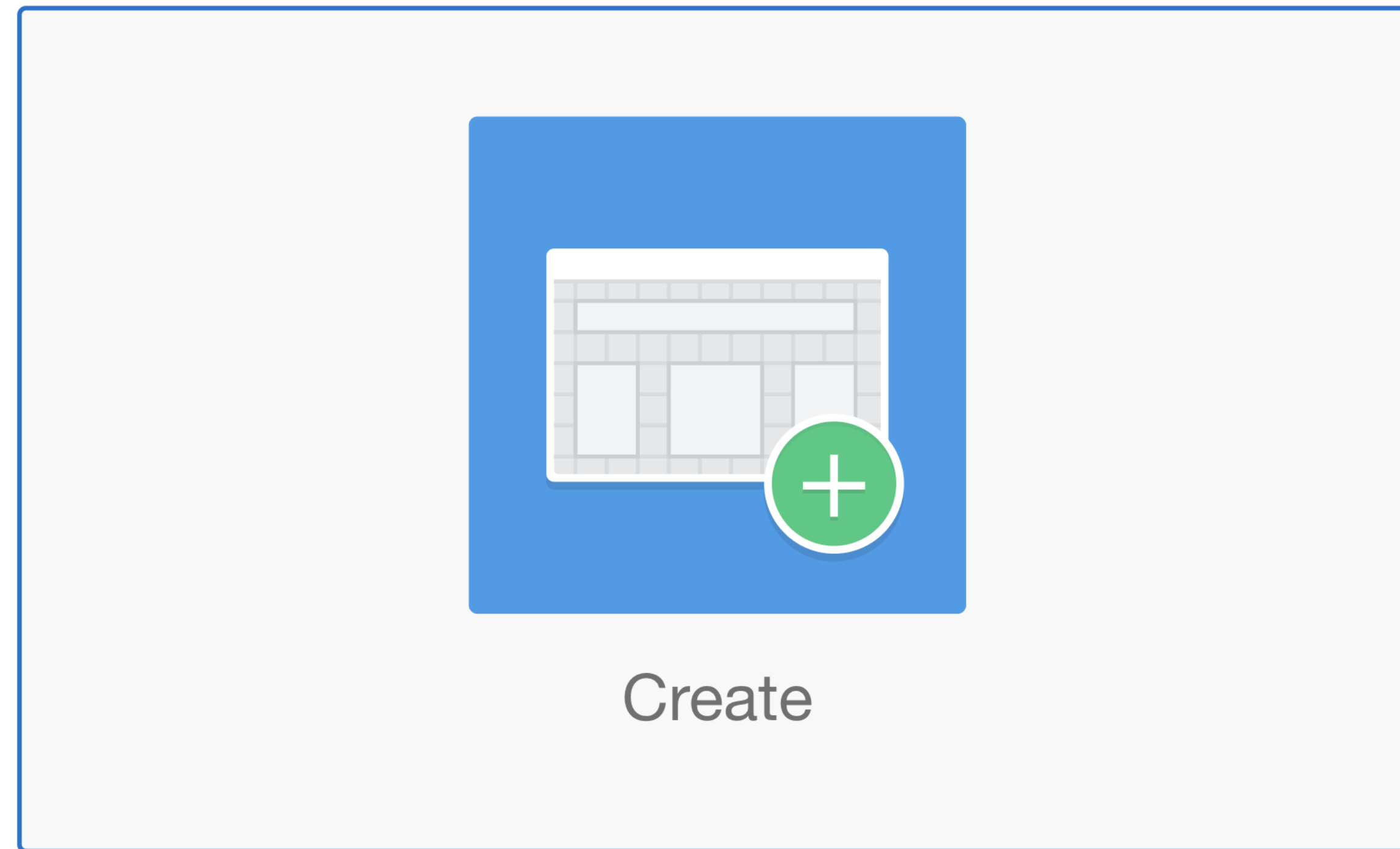
Program Agenda

- Appearance
- Pages
- Features
- Settings

Application Features

- Introduced in 18.1
- Application Wizard, Blueprint
- Was released as beta within oracle earlier
- Well documented

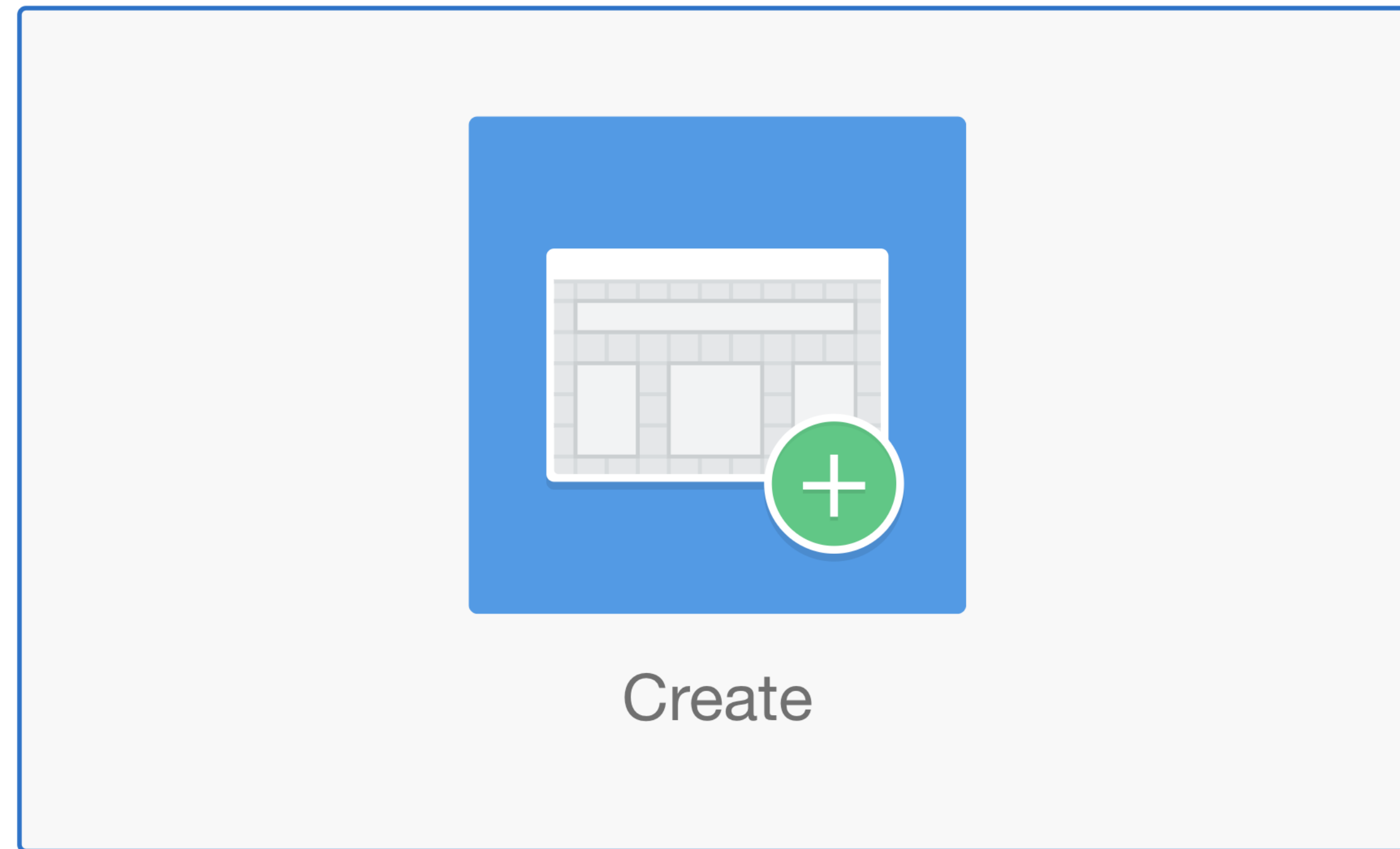
Demo



Appearance

- Select Theme
- And application Icon
- Custom Theme

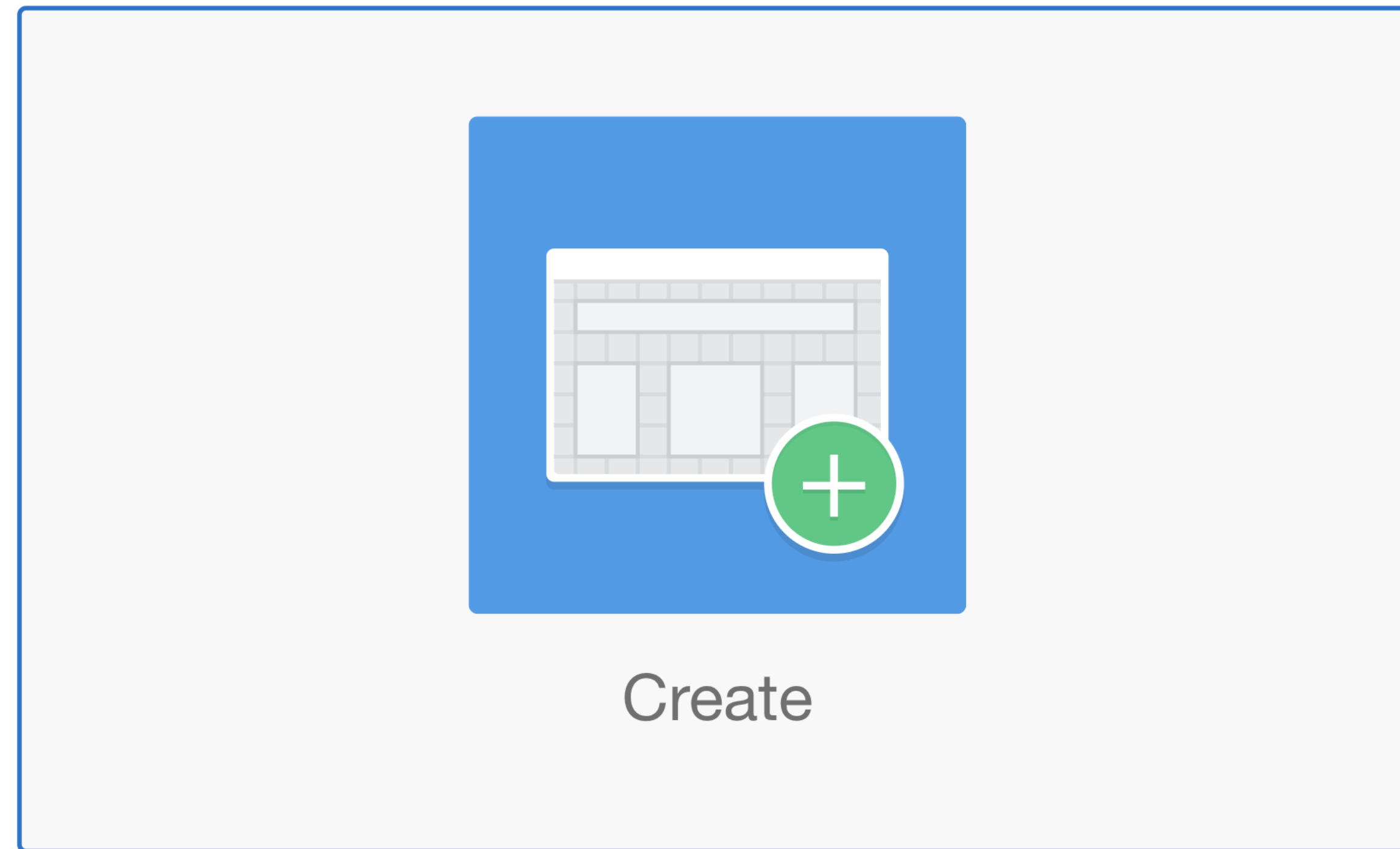
Demo



Blueprint

- Application Definition as JSON document
- Can be loaded from other apps - even deleted
- Can be modified manually

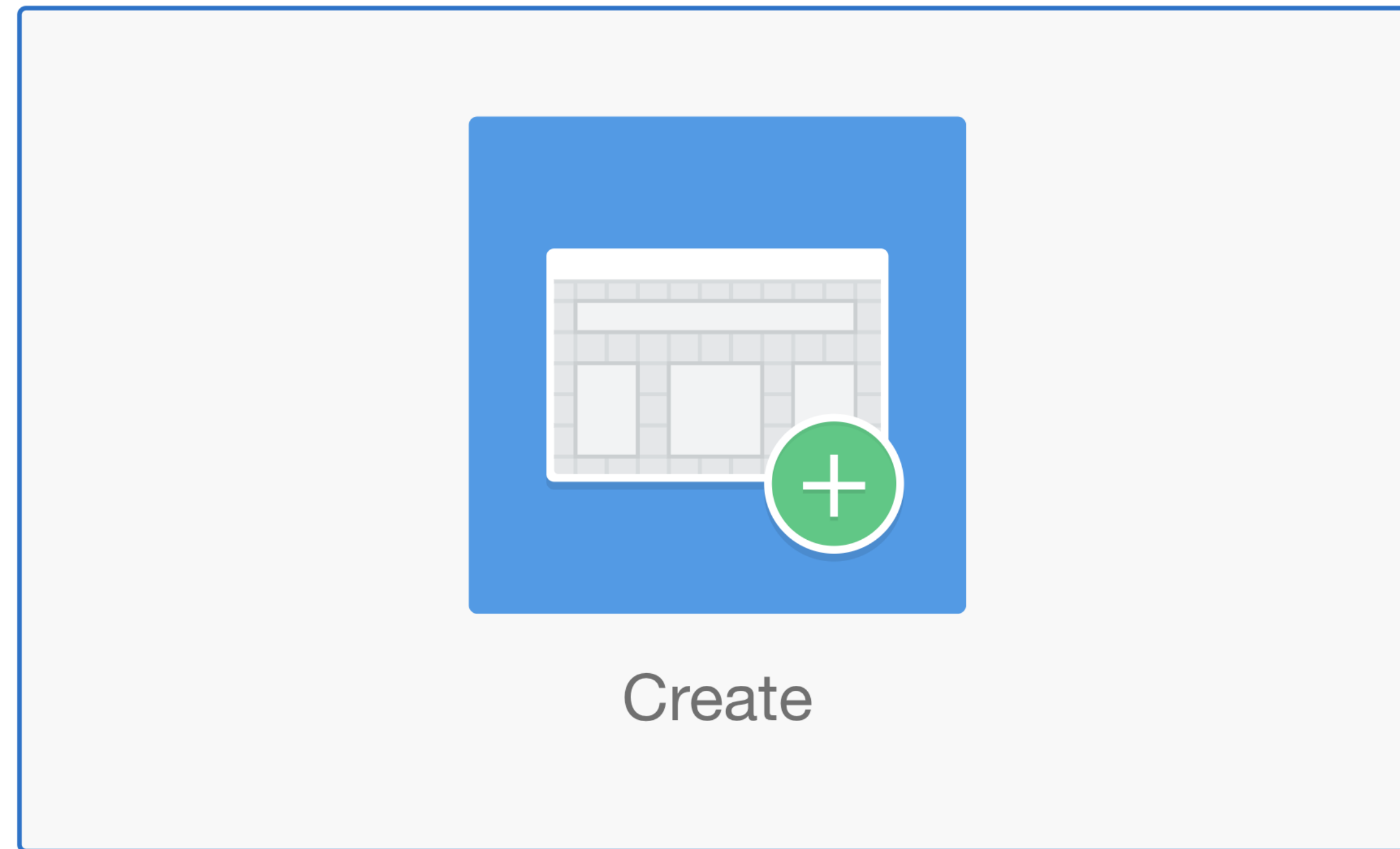
Demo



Add Pages

Report	Form	Master Detail (3 types)	Master Detail (2 types)	Plug-in
Chart	Dashboard	Calendar	Tree	Wizard
Data Loading	Interactive Grid	Timeline	Multiple Reports	Blank Page
Create Application		Page Builder		Both

Demo



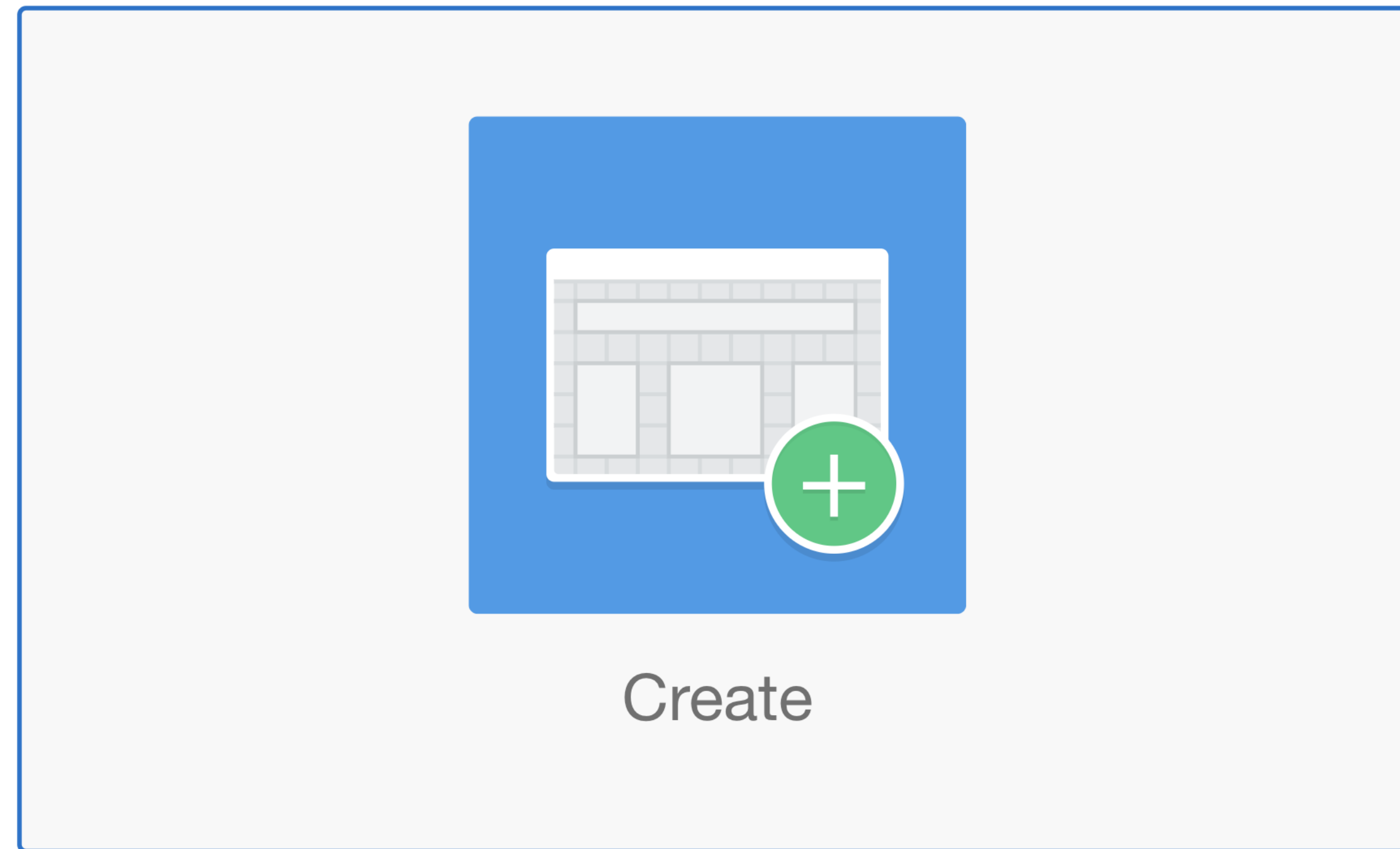
Application Features

- Administration Page
- Build option
- Application Settings
- Pages, Nav Bar entries, Nav Menu Entries
- Can be added on creation or in existing apps
- Page nrs 10000 and above

Feature: About Page

- Creates an about page and help page
- No help page added if via builder
- Auth Scheme
- Pages, Nav Bar entries, Nav Menu Entries

Demo



Feature: Access Control

- Creates components for managing authorization.
- Build option
- Auth Scheme (3)
- Application Setting
- Pages, Nav Menu Entries

Feature: Access Control - continued

- 3 hierarchical roles. Implicit membership.
- Developer gets Administrator
- Names of the roles can be changed (don't !)
- Only generated Auth schemes are overwritten

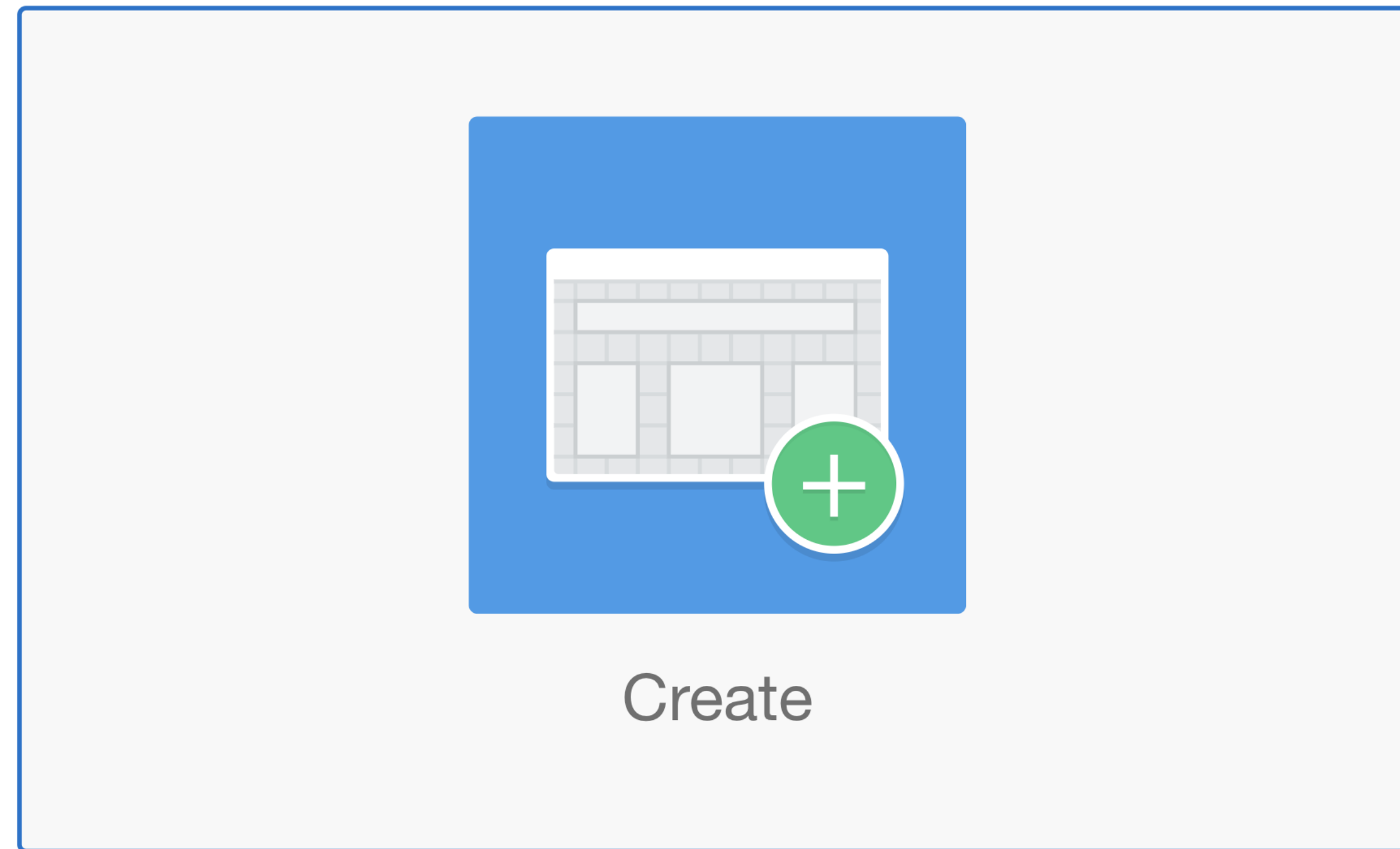
Feature: Access Control - continued

- API: APEX_ACL

```
APEX_ACL.ADD_USER_ROLE (  
    p_application_id => 100,  
    p_user_name      => 'SCOTT',  
    p_role_static_id => 'ADMINISTRATOR' );
```

```
l_is_admin := APEX_ACL.HAS_USER_ROLE (  
    p_application_id => 100,  
    p_user_name      => 'KOEN.LOSTRIE@ORACLE.COM',  
    p_role_static_id => 'ADMINISTRATOR' );
```

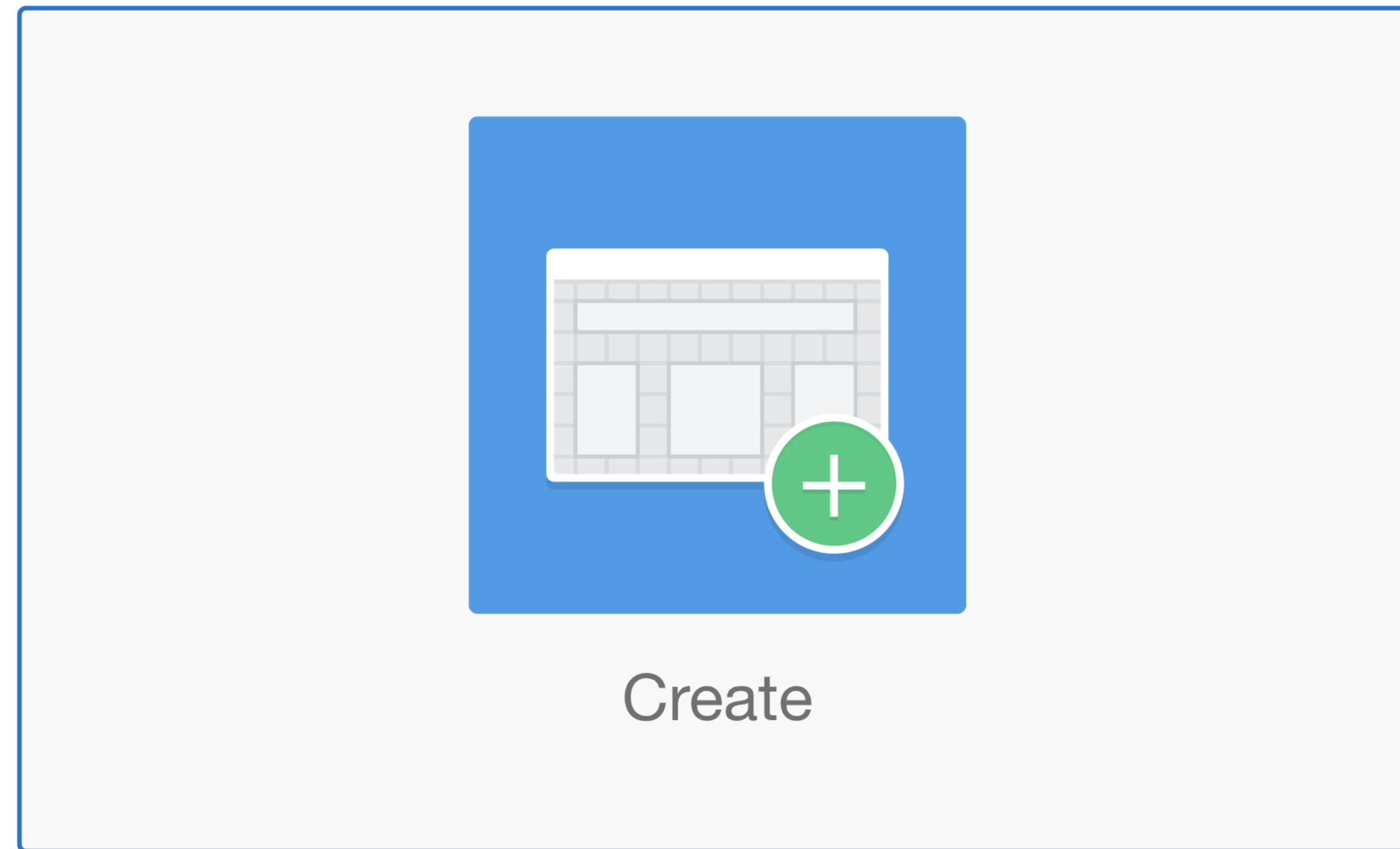
Demo



Feature: Activity Reporting

- Reports on apex_activity_log:
- Dashboard
- Top Users
- Application Error Log
- Page Performance
- Page Views
- Would like more, eg apex_debug_messages

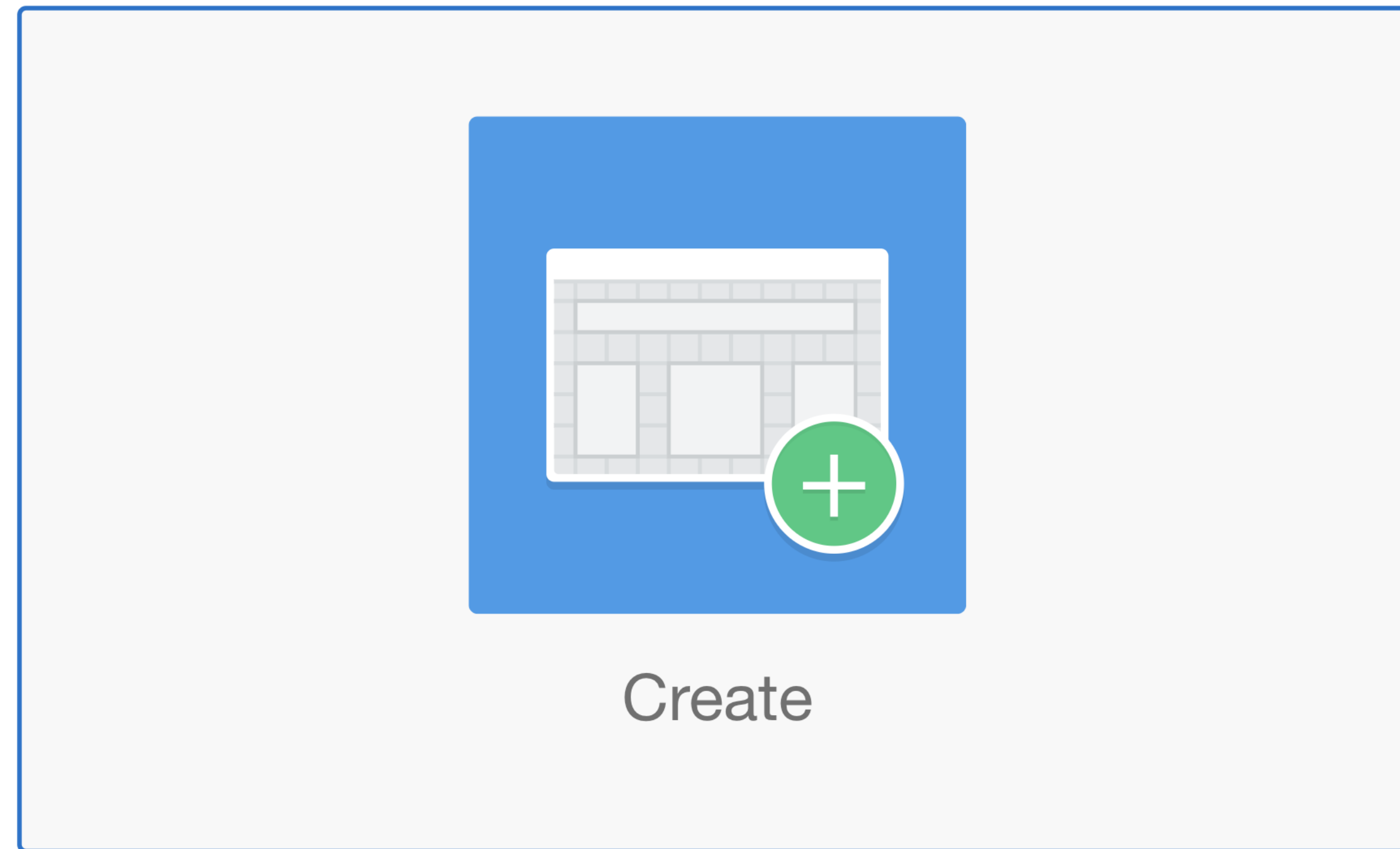
Demo



Feature: Configuration Options

- Enable/Disable any of the installed Application Features
- Need at least 1 Feature
- Not for itself nor ACL
- IR on apex_application_build_options

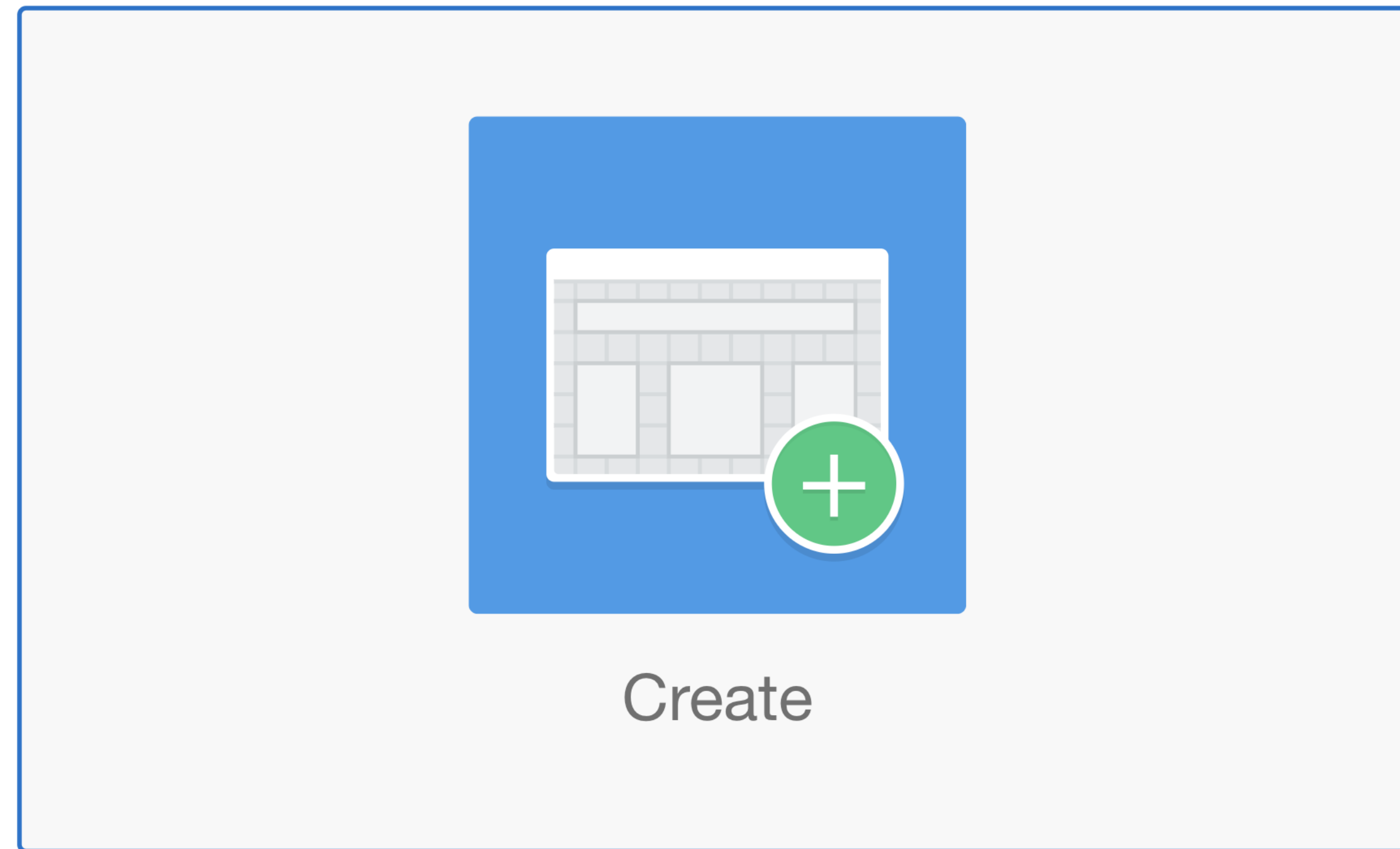
Demo



Feature: Feedback

- Nav bar entry for end user feedback
- Manage feedback in app itself
- Team Development table apex_team_feedback

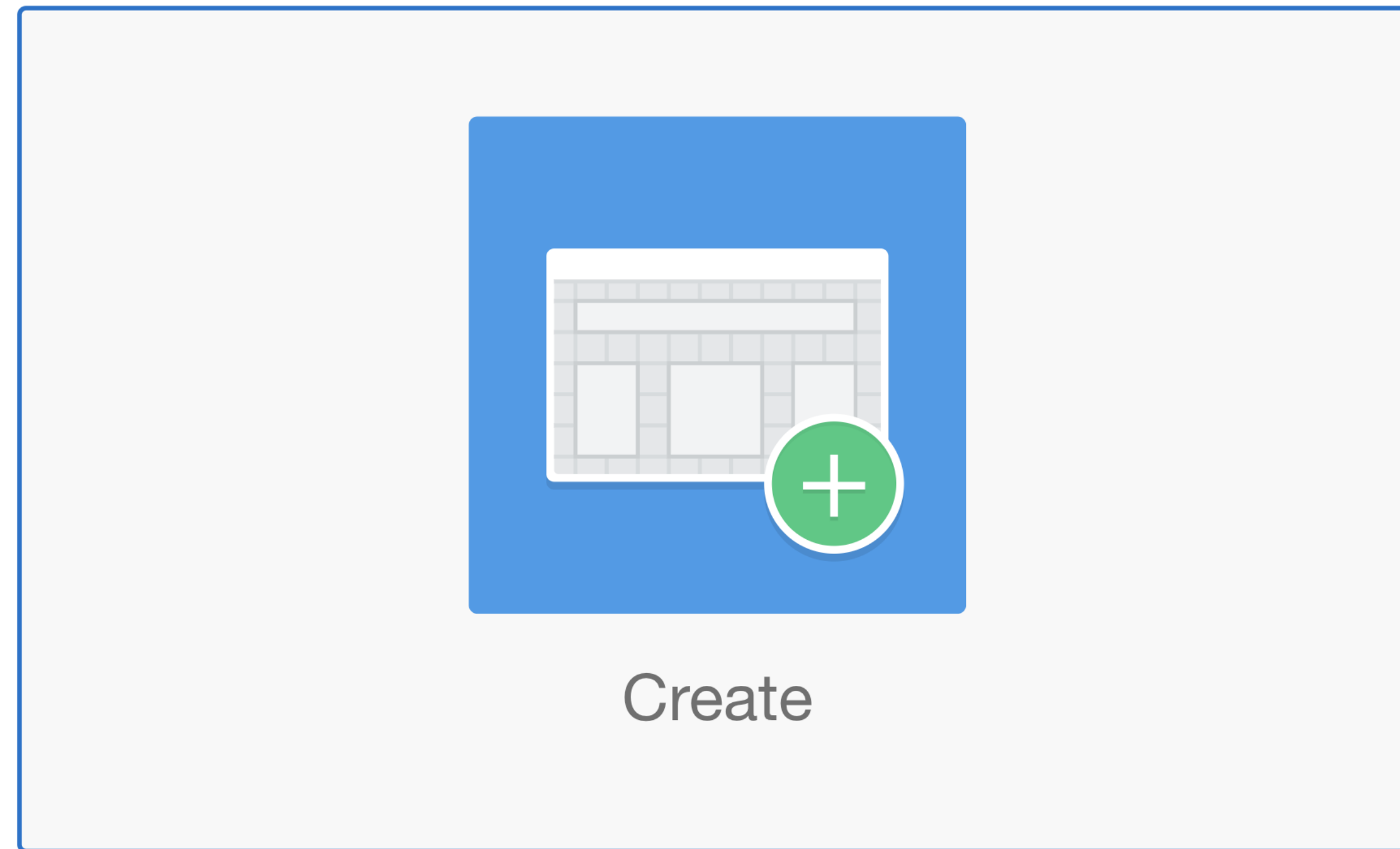
Demo



Feature: Theme Style Selection

- Admin or user can set theme
- `<div class="t-Header-customize">#CUSTOMIZE#</div>`
- API APEX_THEME

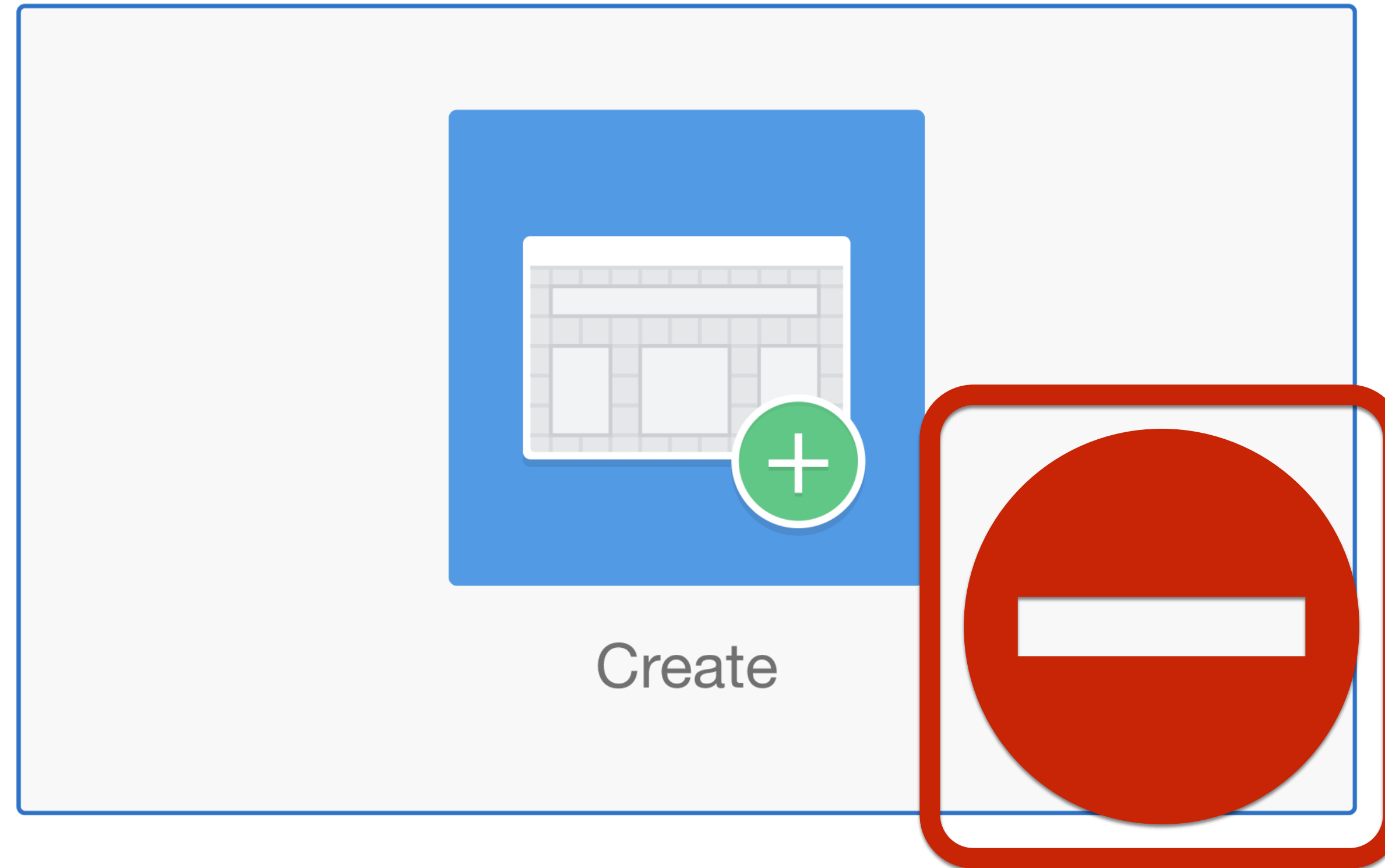
Demo



Feature: Email Reporting

- Only via builder
- Queued, sent, errors

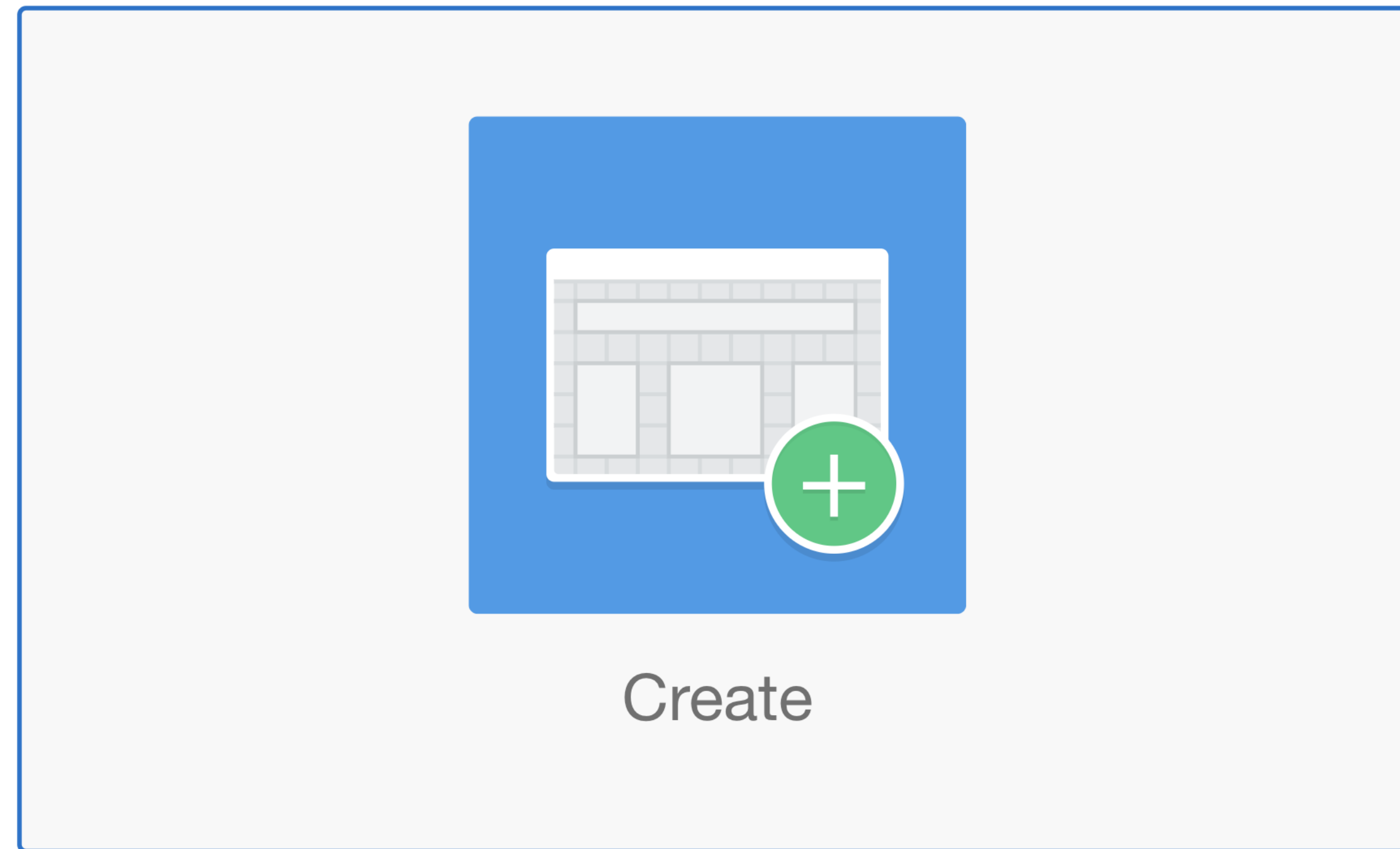
Demo



Application Settings

- App Id
- Schema
- Language
- Authentication
- Advanced (see demo)
- UI Defaults

Demo



Questions ?