Smart App Builder™

ChainSys

Gen-3 Smart Application Builder Platform

Why smartBuilder?

- Rapidly build enterprise application customizations & extensions

- Ability to build new web or mobile applications

- A platform that provides a 60% baseline for development

- No-code and Low-code app Development Platforms (Paas).

- RAD (Rapid Application Development) Framework.

- Drag and Drop Design features

- Deploy to mobile devices (iOS or Android) and/or web browsers on PCs

- Reduced time and expense of development

- Focus More on Business Process Automation rather than technology

Key Features

Prebuilt app templates & User friendly Interfaces (Reusable Code)

Flexible & configurable workflows

Offline data access for your mobile apps

Seamless Integration with enterprise applications

WebService data provider to connect the enterprise historical data on fly (Without data store)

Internationalization & Localization support

Defining Formula and Rollup Summary fields with valid expressions

Field Auditing/Field Tracking

Supported Endpoints

Oracle eBS® 11i & R12

Oracle Cloud Applications

SAP® R/3, ECC6 & S/4HANA, S/5HANA

Salesforce® (SFDC)

JDEdwards®

Peoplesoft®

Siebel®

Microsoft Dynamics®

PROCORE®

Any ERP

XLS, CSV, XML Data Sheets

Interfaces With

Web Services/APIs/BAPIs

XML/SOAP

REST, JSON

OData

Database Level

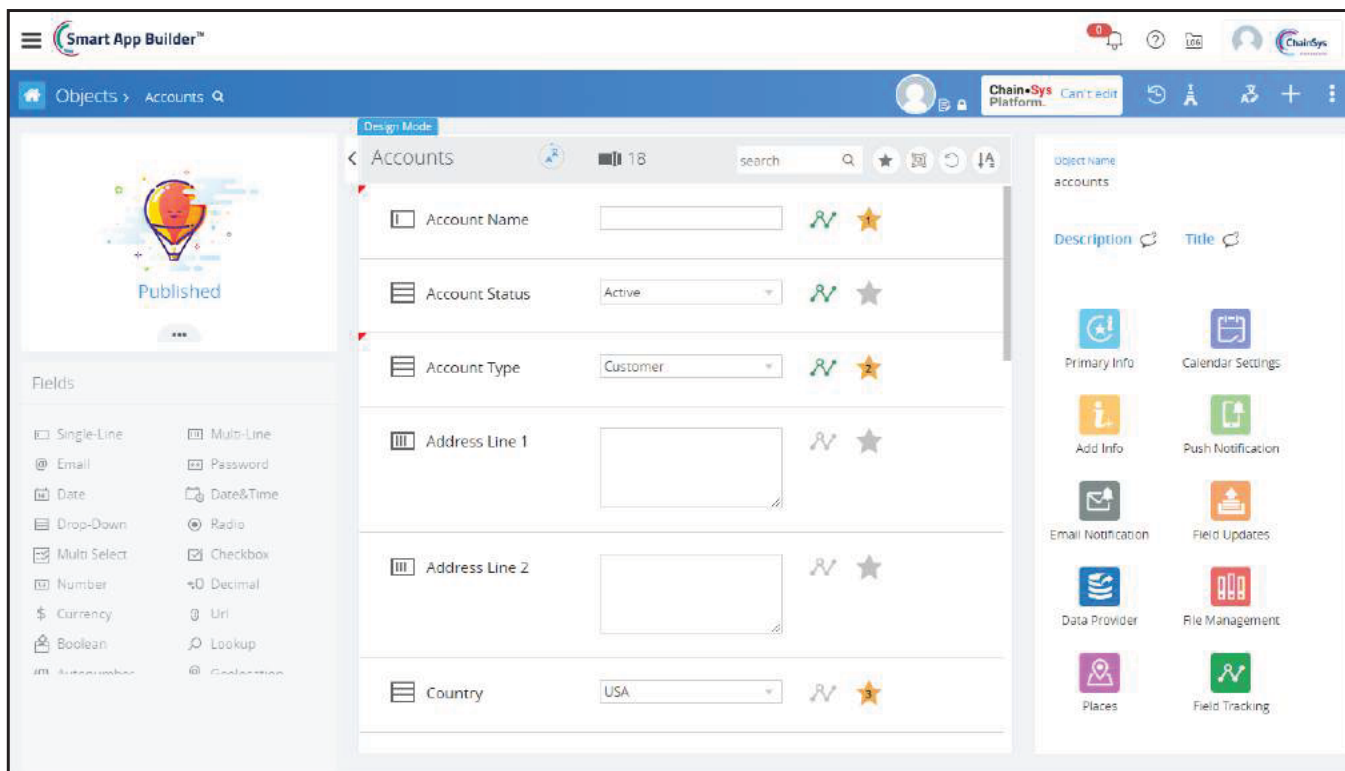File systems

Smart Application Builder– Overview

The **Smart Application Builder** application is a master tool with which several dynamic applications can be created with the required customizations in a seamless fashion. The key advantage of this application is that the essential ERP applications can be constructed by the end-users using a simple drag and drop functionality and it doesn't require any programming knowledge.

Platform makes it easy to rapidly build enterprise apps, allowing you to connect employees to important data and enhance custome experience and promote increased engagement.

Platform also provides mobile app creation tools for building an Android app or an app for iOS without coding. Plus, apps can be built to fit the unique needs of every department.
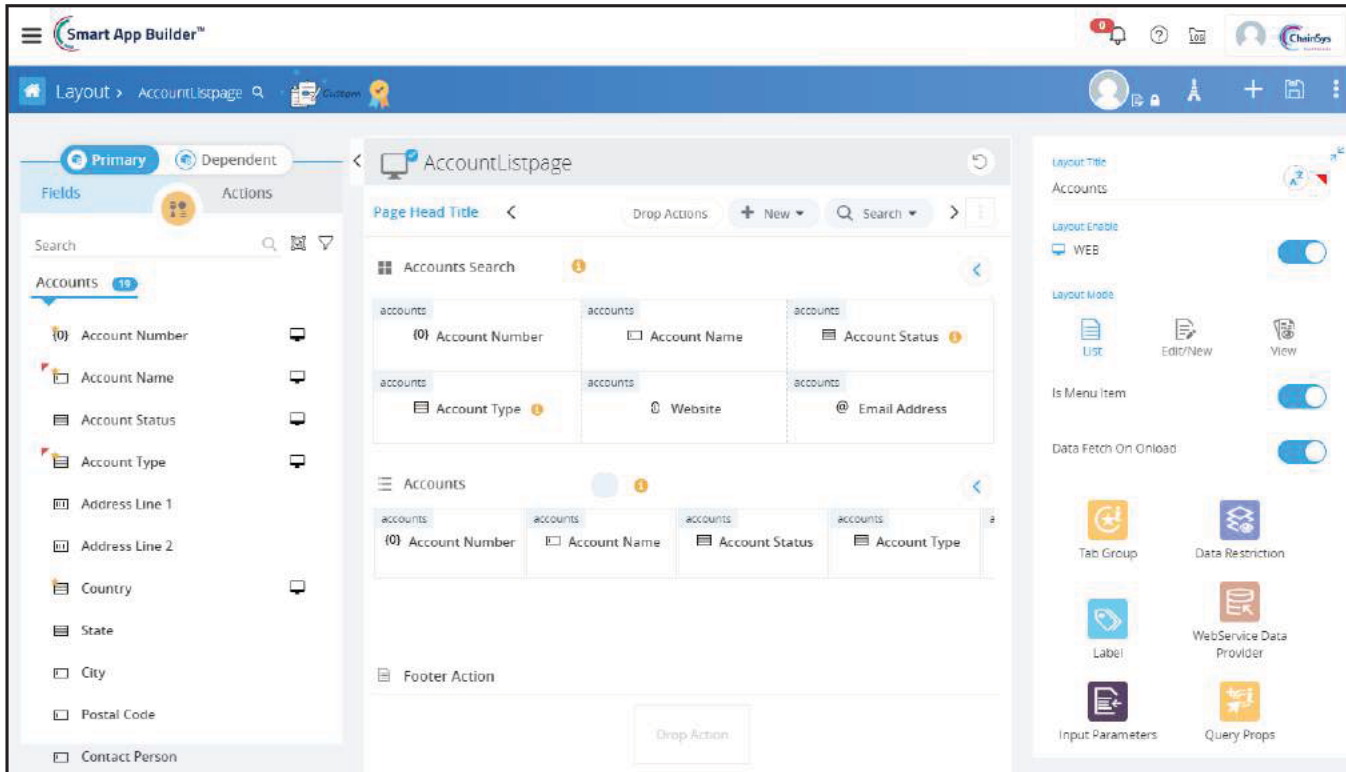
Object Configuration & Data Connection

Users can create the object with a collection of fields (Example: Single line, Lookup, Master/Child, Number, Drop Down, Checkbox,Radio button, Date, Date & Time and etc…) and establish the connection with smart data platform supported enterprise endpoints for the data. Object is a data layer for your application.

Layouts and Action configuration for Pages

Users can use Smart App Builder's web interface to configure their own web and mobile layouts based on customer needs with the specific fields, Actions and Buttons which can be synced into a web and mobile container based on the assignment after successful login.
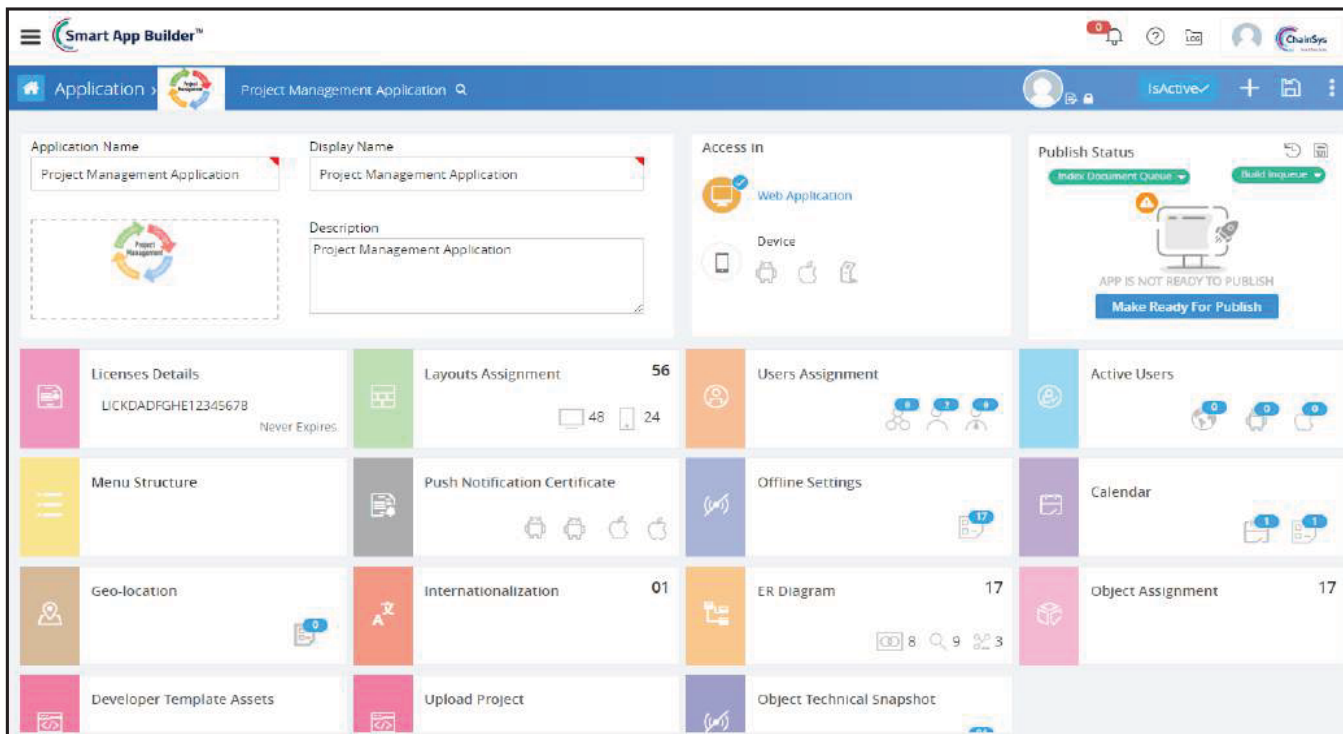
Below is an example of the drag and drop development page to enhance or create new layouts for application pages

New Application configuration and Deployment

The application is the outermost layer or the external shell of the group of objects and layouts that are assorted to accomplish a specific functionality. Users can assign Objects and multiple required layouts into New application and call each layout by creating a Menu and submenu in order to access the output pages. With our mobile apps for iOS and Android, users can access applications in both Web browsers and mobile apps on the go.

A look at the developer dashboard that provides a 60% baseline for new application configurations:

Smart App Builder Features

Workflow Configuration

Business users can configure the workflow based on their business requirement. Workflow rules in the Smart Data Platform can be broken down into two main components:

- Criteria: A criteria refers to the pre-set business logic that the workflow is built on
- Action: Actions are the events that are kicked off based on the satisfaction of the pre-set criteria

Formula & Rollup Summary Field

Formula field is a read only field that helps business users configure the calculations based on the Regular Expressions, Arithmetic functions, String Functions, Date Function, and other Logical Operators.

A roll-up summary field calculates the values from Child object records and rolls up to the parent object. Users can create a roll-up summary field to display a value in amaster record based on the values of fields in a detail record.

Field Auditing / Field Tracking

Field Audit Trail lets you define a policy to retain archived field history data. This feature helps you to track the history for particular field values. You can track the change history for any field by configuring it in the object level. Modifying any of these fields adds an entry to the History related list. All entries include the date, time, nature of the change, and who made the change.

Portation

Using the Portation functionality, a specific object can be checked in so that it can be fetched and reused in another instance and organization by different users. Any object can be edited or ported only after it is checked in. Else, it can only be viewed by other users.

Translator Workbench

Translator workbench helps you to enable multiple languages for your application. Here you can run the auto translation for all your object field labels, which will translate. all the labels into configured languages. It is integrated with google translate's API.

Geo Location

Geolocation is one of the field types that can be leveraged to specify the location of any objects such as Customer, Contacts, Leads, Supplier, or any custom objects that represent physical locations such as Warehouses, Factories, stores and more.
The Geolocation custom field allows you to create a field that identifies a location by its latitude and longitude. You can then use the Geolocation field with the **DISTANCE** and **GEOLOCATION** formula functions to calculate distances between locations.

Calendar Settings

The Calendar Setting is a mobile application-specific setting. Using this, the calendar can be included to an object and by choosing a particular date, the notifications can be generated accordingly.

Email and Push Notifications

Email and Push Notifications can be configured against an object with or without conditions and e mail and push notifications will be triggered to the mentioned recipients when the particular conditions or met.

Webservice Data Provider

Webservice data provider helps you configure the data connection through webservices. Web service data provider is used for data integration without storing the data in the staging table.

It will help you connect to third party systems into your custom application. Through webservice data providers, you can view, insert and update the data of any third party system from your custom application.
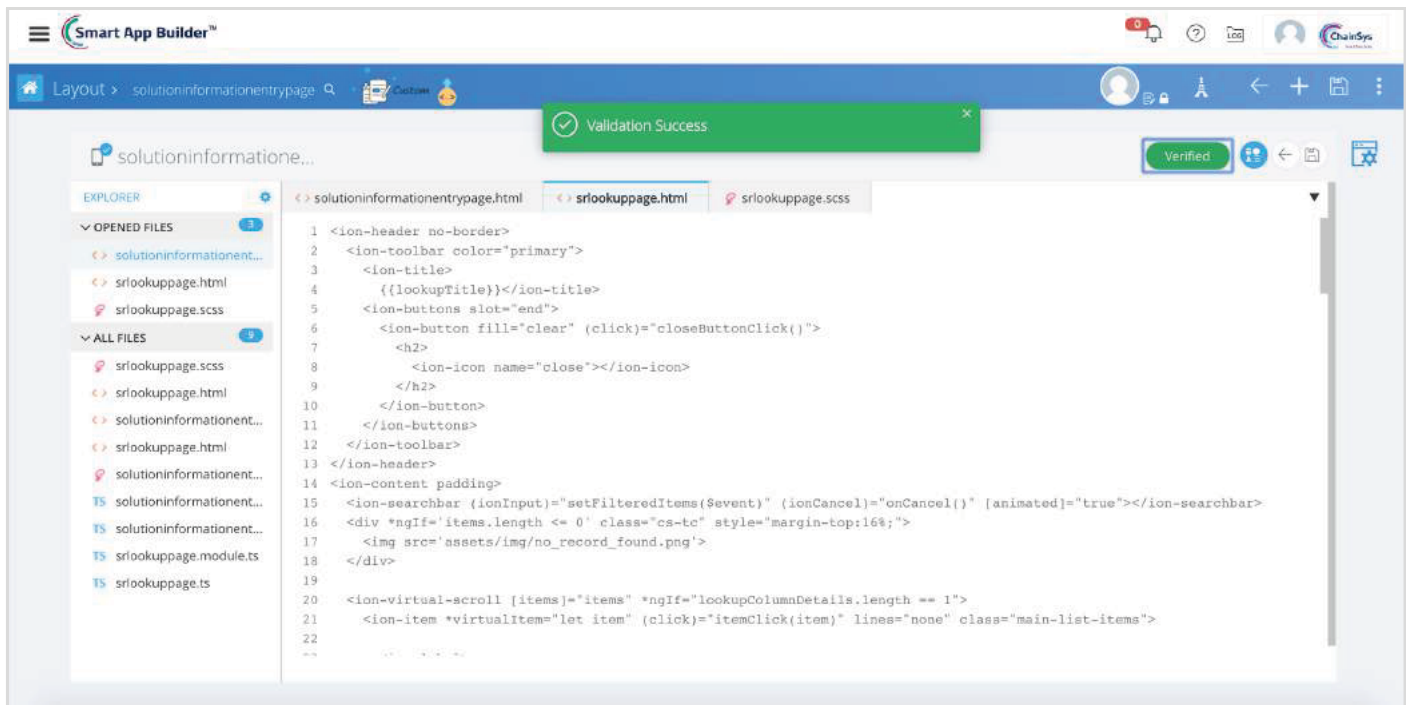
Single Sign-on

The Single Sign-On (SSO) is a process that allows the user to access the multiple applications with their single set of username and password throughout the organisation in a secured manner.

It lets users access authorized network resources with one login. You validate usernames and passwords against your corporate user database or other client app managing separate passwords for each resource. The Smart Data Platform supports federation with Oracle Identity Cloud Service,and Microsoft Active Directory (via Active Directory Federation Services (AD FS)), Microsoft Azure Active Directory, Okta, and other identity providers that support the Security Assertion Markup Language (SAML) 2.0 protocol.

Developer Template

Users can create the application using their own style apart from the standard GUI. For this purpose Smart App Builder has an option called developer template. So users can create their own layouts with images, Typescript, JSON, CSS, SCSS, etc.. and upload it using this developer template option.

Here's a look at the developer template available in the Smart builder

Integrate with more than 200 enterprise applications

The Smart data platform allows you to integrate to any third party systems through a web service data provider. Data connection will be handled through Smart Data Platform's data extract and loader templates. Smart data platform's 4000+ preconfigured templates provide no-code integrations with more than 200 endpoints.

Visit us at https://www.chainsys.com/smart-application-builder

About Chainsys

A Data Management innovator since 1998, best known for its Smart Data Platform for data management, ChainSys is a leader in the data migration, integration, data maintenance, MDM, data quality, data cataloging, machine learning, AI, analytics, visualizations, audits, compliance and RPA based autonomous testing & low-code web/mobile application building areas. ChainSys has successfully deployed its Smart Data Platform in several Fortune 500 companies worldwide, and continues to grow and innovate rapidly. Headquartered in Lansing, MI, and spread across 5 continents, ChainSys prides itself on its **Product, Process & People** which constantly push the envelope on innovation & creativity.

Contributed by

Krishnan Ganesan

Product Owner & Head of Sales

Krishnan is a passionate leader and has creatively solutioned multiple 'Smart Data' projects for Organizations across the globe.

Nearing a decade in ChainSys, he has also had experience in key sales & pre-sales roles and is a respected subject matter expert in the ERP space.

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End to End Data Management needs

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Data Reconciliation
Data Integaration

dataZen™

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Data Governance
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Data Catalog
Data Security & Compliance

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