

SOLUTION

Rewriting Your Modernisation Playbook

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Vibe Coding

Speed is
dangerous without control

Speed is dangerous without **control**

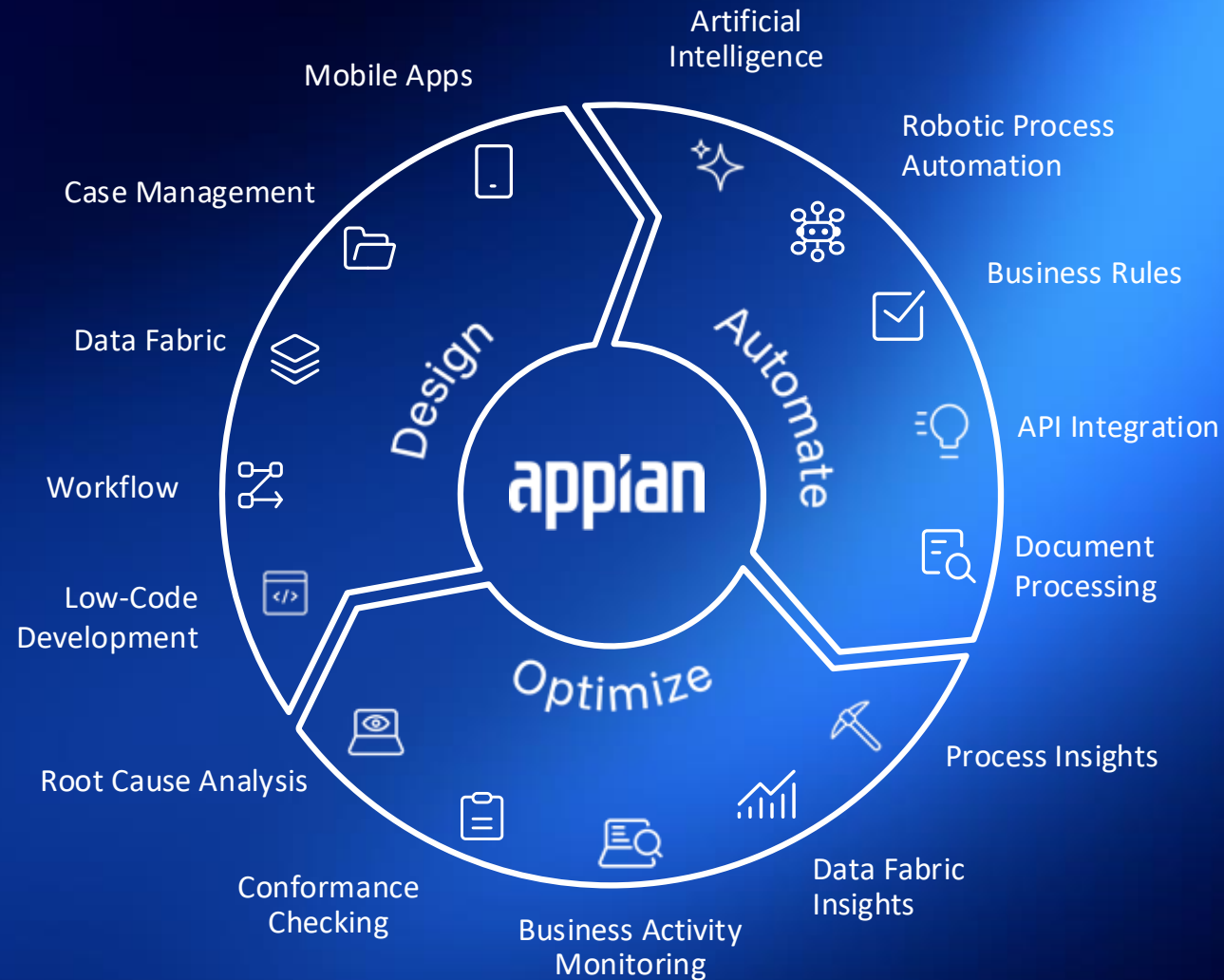


**Missing
scaffolding**



**Compounding
complexity**

Appian: An Enterprise Modernisation Platform



New Modernisation Playbook

01

Process Orchestration

Encapsulate legacy complexity and remove swivel chair inefficiencies between systems.

02

Modernise *and* Rationalise

Shrink the App Estate through Process first strategy, replacing App Centric thinking.

03

Break the cycle

Today's high-tech purchase or code builds are tomorrow's legacy - but it doesn't have to be.

04

AI App Generation

How can you safely use AI to build and ship regulator safe Enterprise Applications?

Appian's Spec-Driven Development Strategy

A man and a woman in business attire are looking at a tablet together in a dark room. The background features a large screen displaying a digital network or data visualization. The woman is pointing at the tablet, and the man is looking at it with a thoughtful expression.

Specify

Ingest varied artifacts and use AI-driven gap and automation analysis to create rich specifications

Plan

Deconstruct enriched specifications with AI into a precise series of actionable development tasks

Implement

Execute planned tasks with humans or dev agents to rapidly author auditable, standards-compliant changes under human supervision

Extract and Consolidate Varied Artifacts

Upload meeting transcripts, demo videos, flow diagrams, Excel apps, and more

The screenshot displays the Appian user interface for a 'Purchase Order Exception' case. A modal window titled 'Upload Files' is centered on the screen. The modal includes instructions to upload up to 5 files and 20 images, with a link to documentation for supported file types. A dashed box indicates the area for dragging and dropping files, with a 'Select Files' link. Below this, two files are listed: 'PO_Approval_Exception_Handling_portfolio' (XLSM, 62.17 KB) and 'PO Approval Exception Handling Solution Description' (DOCX, 41.92 KB). Each file entry has a close button (x). At the bottom of the modal are 'CANCEL' and 'ADD' buttons. The background shows the Appian navigation bar with a search icon, settings, and the user's name 'JR appian'.

Purchase Order Exception

Upload Files

Upload up to 5 files and 20 images
See [documentation](#) for supported file types

Drag and drop files here, or [Select Files](#)

PO_Approval_Exception_Handling_portfolio
XLSM - 62.17 KB

PO Approval Exception Handling Solution Description
DOCX - 41.92 KB

CANCEL ADD

Specify with Appian Composer

JR

Purchase Order Exceptions

Compose your application plan

Outline requirements, organize your ideas, and lay out the plan for your application

COMPOSER ✦ GENERATE PLAN DOCUMENT START BUILDING

UX Preview **Stories** Personas AI & Automation Goals Workflows Business Rules Data Model

Requirements

Visually map out your application's core user activities

+ ADD ACTIVITY

PO Creation and Submission +	Automated PO Triage and Cla... +	Requestor Self-Service Portal +	Supplier Risk Screening +	Approve
Display PO Creation Form  To Do	Classify PO by Value Tier  To Do	Display Requestor Dashboard  To Do	Screen Supplier Status and Perform...  To Do	Display . 
Submit Purchase Order  To Do	Validate Budget Availability  To Do	Create Purchase Order  To Do	Route PO Based on Triage Results  To Do	Process 
	Evaluate Exception Rules  To Do	Upload Supporting Documents  To Do		

Assess, Improve, and Enrich Designs

Use AI to find requirements gaps and automation opportunities

Purchase Order Exception Handling

Compose your application plan
Outline requirements, organize your ideas, and lay out the plan for your application

GENERATE PLAN DOCUMENT START BUILDING

UX Preview Stories Personas **AI & Automation** Goals Workflows Business Rules Data Model

AI & Automation All (5) AI Agents (2) RPA (2) AI Skills (1) + ADD Search

- Intelligent PO Triage & Risk Assessment Agent**
Dynamically analyzes submitted POs across multiple data sources to classify value tier, validate budget availability, check contract compliance, screen supplier risk, evaluate exception rules, calculate risk levels, and determine optimal approval routing paths
- Compliance Exception Investigation Agent**
Investigates POs flagged with Critical exceptions by analyzing supporting documents, researching supplier history across systems, verifying business justifications against policies, and determining appropriate resolution paths
- SAP Budget Validation Robotic Task**
Automates real-time budget validation by logging into SAP Budget/Financial Module, querying cost center allocations and utilization, and returning budget availability data to the PO approval system
- SAP Contract Compliance Robotic Task**
Automates contract compliance checking by accessing SAP Contract Management Module, retrieving active contract details, remaining values, and expiration dates for supplier and category validation
- Document Classification & Validation Skill**
Classifies uploaded supporting documents by type (supplier quotes, emergency justifications, sole source justifications, specification sheets) and validates document completeness against PO type requirements

Composer

What would you like to build?

Chat here

Appian's Spec-Driven Development Strategy

A man and a woman in business attire are looking at a tablet together in a dark room. The background is a blue digital display with a grid pattern and some abstract lines, suggesting a high-tech or data-driven environment. The woman is pointing at the tablet, and the man is looking at it with a thoughtful expression.

Specify

Ingest varied artifacts and use AI-driven gap and automation analysis to create rich specifications

Plan

Deconstruct enriched specifications with AI into a precise series of actionable development tasks

Implement

Execute planned tasks with humans or dev agents to rapidly author auditable, standards-compliant changes under human supervision

A close-up of Tony Stark in his Iron Man armor. His right hand is raised, and the repulsor is glowing with a bright blue light. The background is dark with some blue and purple light streaks.

Dev Agents

appian

Plan and Implement with Dev Agents

Seamlessly connect user stories from the business into development, letting AI do the heavy lifting

The screenshot displays the Appian user interface. The main header shows the project name 'Purchase Order Handling' with navigation icons for back, home, and search. Below the header, there are tabs for 'BOARD', 'ALL OBJECTS', 'PLUG-INS', and 'UNREFERENCED OBJECTS'. The central area features a user story titled 'Submit Purchase Order' with a description: 'As a Requestor, I want to submit a completed purchase order, so that it can be processed through the approval workflow. Acceptance Criteria:'. The criteria include: 'The system must auto-generate a PO number in format PO-YYYY-NNNN when submitted', 'The system must validate all required fields are completed before allowing submission', 'The system must verify the supplier status is not Suspended or Blacklisted', and 'The system must check for duplicate POs to the same supplier within the configurable 30-'. Below the description are fields for 'Assignee', 'Priority', 'Story Points', and 'Status' (currently 'In Progress'). To the right, a 'Dev Agent' panel lists tasks generated from the user story, including: 'Create Expression Rule: PO Number Generation', 'Create Expression Rule: Required Fields Validation', 'Create Expression Rule: Supplier Status Verification', 'Create Constant: Duplicate PO Detection Window (...)', 'Update Expression Rule: Duplicate PO Detection to ...', 'Create Expression Rule: Document Requirements V...', 'Create Process Model: Submit Purchase Order', 'Create Record Action: Submit New Purchase Order', and 'Update Dashboard Interface: My Purchase Orders ...'.

Purchase Order Handling

< Back

Submit Purchase Order

Description

As a Requestor, I want to submit a completed purchase order, so that it can be processed through the approval workflow. Acceptance Criteria:

- The system must auto-generate a PO number in format PO-YYYY-NNNN when submitted
- The system must validate all required fields are completed before allowing submission
- The system must verify the supplier status is not Suspended or Blacklisted
- The system must check for duplicate POs to the same supplier within the configurable 30-

Assignee -

Priority -

Story Points -

Status **In Progress**

Type User Action

Dev Agent

Task List

- > `</>` Create Expression Rule: PO Number Generation
- > `</>` Create Expression Rule: Required Fields Validation
- > `</>` Create Expression Rule: Supplier Status Verification
- > π Create Constant: Duplicate PO Detection Window (...)
- > `</>` Update Expression Rule: Duplicate PO Detection to ...
- > `</>` Create Expression Rule: Document Requirements V...
- > $\mathcal{P}$ Create Process Model: Submit Purchase Order
- > $\mathcal{P}$ Create Record Action: Submit New Purchase Order
- > $\mathcal{P}$ Update Dashboard Interface: My Purchase Orders ...

Dev Agents Configure Visual Objects

Not writing code, but supporting designers in working through objects

The screenshot displays a development tool interface with a sidebar on the left and a main workspace on the right.

Left Sidebar:

- Enable online loan application submission** (Title)
- Details** (Section Header)
- Description**: As a loan applicant, I want to submit my loan application online with all required documents, so that I can apply for a loan without visiting a branch.
- Acceptance Criteria**:
 - Customer can access loan application portal for their selected brand
 - System displays available loan products with features and rates
 - Customer can complete application form with personal and financial information

Main Workspace:

- Tasks** (Section Header)
- Regenerate Tasks** (Button)
- Task List**:
 - Create loan application record type** (Record Type) - **New** - **Review**
 - Create document record type** (Record Type) - **New** - **Review**
 - Create brand selection interface** (Interface) - **New** - **Review**

Right Panel:

- Build Session** (Dropdown)
- Validating re-generated interface** (Status)
- No errors found now! Updated brand selection interface** (Status) - [View Diff](#)
- LA Brand Selector (v2)** (Code Snippet)
- Task 3 complete! Created brand selection interface with:**
 - Dynamic brand cards for all 5 bank brands
 - Brand-specific styling and color schemes
 - Logo integration for each brand
 - Product count display
 - Interactive selection with visual feedback
- The interface uses responsive CardGroupLayout with brand theming.**
- Task Progress** (1 / 1)
- Create brand selection interface** (Task Item)

Use Anywhere

POEH_ExceptionResolutionForm

Dev Agent

Add correctiveActionDeadline field to POEH Purchase Order record type

Update POEH_ExceptionResolutionForm interface to display corrective action deadline picker

I'll add the corrective action deadline field to the POEH Purchase Order record type.

addRecordTypeField

Perfect! I've successfully added the **Corrective Action Deadline** field to the POEH Purchase Order record type. This is a DATE field that will store the deadline by which corrective action must be completed when a policy violation is confirmed. The field has been added to both the record type definition and the underlying database table.

Task Progress

1 / 2

Add correctiveActionDeadline field to POEH Purchase Order record type

Update POEH_ExceptionResolutionForm interface to display corrective action deadline picker

I'll update the POEH_ExceptionResolutionForm interface to add the corrective action deadline date picker that appears conditionally when the resolution type is "Policy Violation Confirmed".

edit_interface_sail

Chat here

Exception Investigation & Resolution

Review and resolve policy exceptions for flagged purchase orders

PO SUMMARY

PO Number: PO-2026-00847 | Supplier: | Amount: \$89,750.25

Exception Flags

Budget Threshold Exceeded

Severity: | Detected: Jan 16, 2026

Supplier Risk Profile

Risk Rating

Performance Score

0 / 100

Business Justification

Essential equipment upgrade to maintain compliance with new FDA

Supporting Documents

Audit Trail

EXPORT APP

IMPORT PACKAGE

COMPARE AND DEPLOY

Dev Agent

Create Process Model: BAC Submit Membership

Create Record Action: Submit New Membership

Create Dashboard Interface: BAC_MembershipDashboard

Create Site: BAC Boards and Committees

I'll create the BAC Membership record type with all the required fields and relationships.

createRecordType

BAC Membership

Now I'll wire the three relationships: roleid → BAC Board Role, statusid → BAC Membership Status, and submittedBy → User system record type.

addRecordTypeRelationship

BAC Membership

addRecordTypeRelationship

BAC Membership

addRecordTypeRelationship

BAC Membership

Perfect! Now I need to insert sample data. Let me first query the User system record type to get real usernames for the submittedBy field.

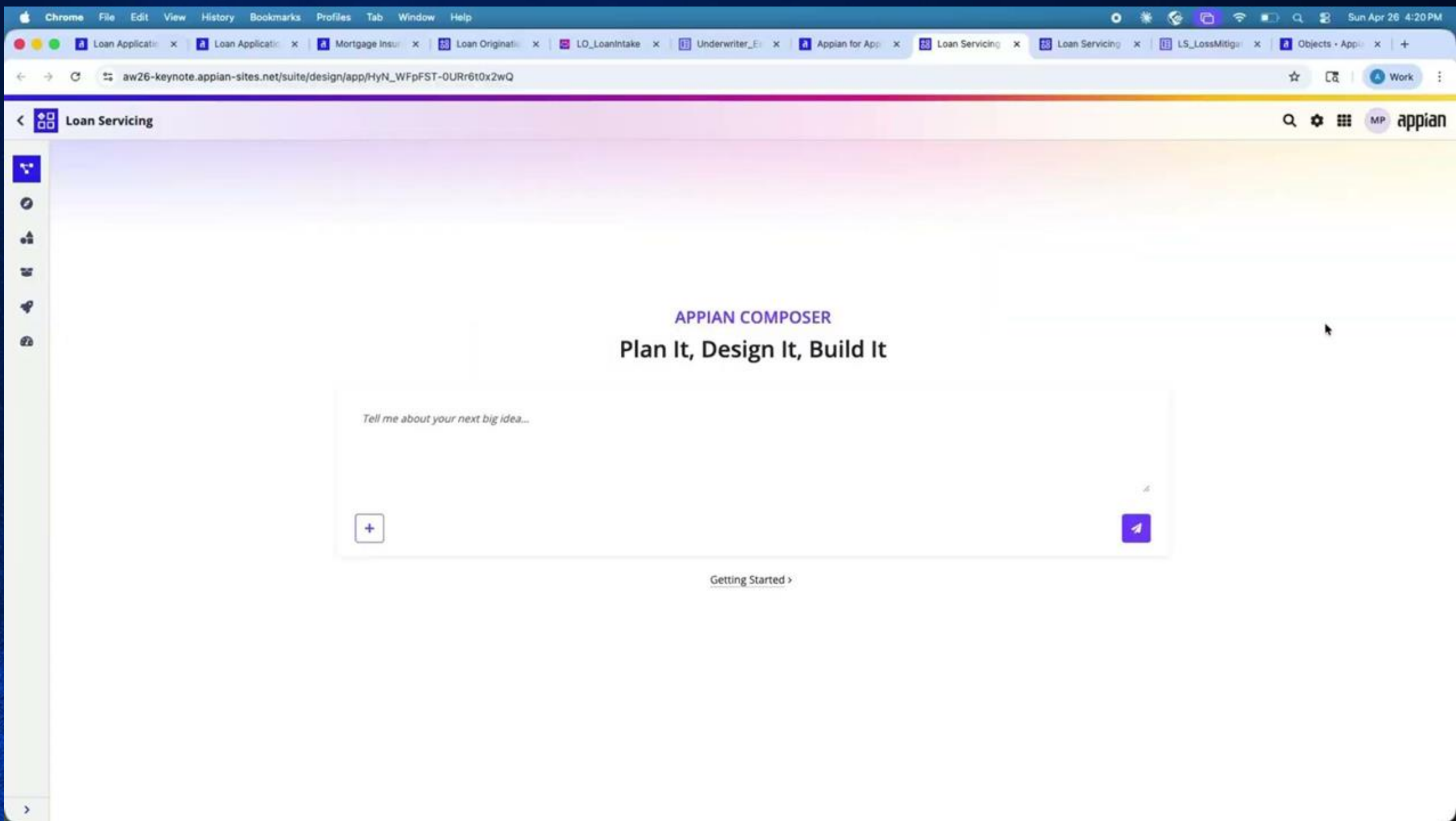
listRecordData

Now I'll insert sample membership data using the real usernames and the primary keys from the reference tables (Board Role and Membership Status).

Chat here

7 items

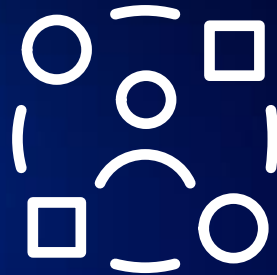
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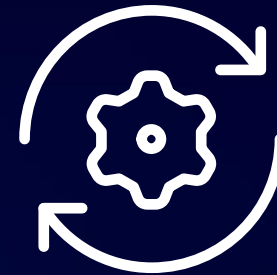
Support Any Project



Legacy modernization



**Composer
user stories**



**Ad hoc development &
iterations**

The Roadmap

01

DevOps

Enabling large teams to collaborate at the speed of AI

02

Jira integration

Supporting multiple planning methodologies

03

Best Practices

For business and development

04

Testing

Self-monitoring and self-healing AI development



Appian AI Sprint Lab

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