

Appian Developer

Course Duration: 40 hours

Course Description:

This comprehensive course on Appian is designed to equip participants with the essential skills and knowledge to effectively utilize the platform for business process management and application development. Starting with an introduction to Appian and its core capabilities, the course delves into the fundamentals of database usage, relationships, and entity relationship diagrams (ERDs). Participants will learn to design applications by understanding application architecture, personas, data design, records, process models, and reports. The course covers the building blocks of applications, including managing users and groups, expressions, data types, and data modelling best practices. Advanced modules focus on designing record types and sites, building interfaces, automating business processes through process modelling, and engaging users via portals. Additionally, participants will explore creating dynamic and complex interfaces, optimizing them for mobile devices, and adhering to best practices for user-centered design. By the end of the course, participants will be proficient in leveraging Appian's capabilities to build robust, efficient, and user friendly applications.

Course Objectives:

In this course, you will learn about–

- Appian terminology
- Provide effective design requirements
- Identify primary use case patterns
- Describe purpose of and steps to build design objects
- Describe common practices for implementing an application lifecycle
- Explain how to structure data in a process to ensure memory efficient designs
- Convert user requirements into functioning pieces of an application
- Construct process models reflecting business requirements
- Store and retrieve data for records and reports

Table of Content

Module 1: Getting started with Appian

- Introduction to Appian
- Appian Core Capabilities
- Appian's Case Management Studio

- Database and its usage
- Relationships and its concepts
- Create an Entity Relationship Diagram (ERD)

Module 2: Get Started Designing an App

- Application Architecture
- Personas and groups
- Data design
- Records
- Process models
- Reports
- Types of objects used for building an application
- Folder structure
- Manage and access with Appian Design

Module 3: Application Building Blocks

- Managing Users and Groups
- User Types
- Application Groups and how to create groups
- Expressions with Expression Editor
- Data types
- Appian Functions
- Variables, Arrays and Conversions
- Calling objects
- Testing and troubleshooting expressions
- Why Data modelling is important
- Creating Data model and its best practices

Module 4: Design Record types and Sites

- Introduction to Record Types
- Use record types to model your enterprise
- Use record data throughout your application
- Display record data with record lists and views
- Create record actions
- Overview of Sites and its importance
- Create and Configure a Site
- Query Your Data from Record Types
- Update Queries in Expression Editor
- Use Results

Module 5: Interfaces 101: Build Forms and Other Interfaces

- Purpose of Interface in apps
- Use rule inputs and local variables
- Configure a simple interface
- Best Practices for building interfaces
- Test an Interface

Module 6: Process Modelling 101: Automate Your Business Processes

- Overview of Process modelling
- Plan an Appian Process
- Create and Secure a Process Model
- Process Modeler and Configure Properties
- Configure a Start Form and Process Variables
- Configure a User Input Task
- Configure Gateways
- Configure a Script Task and Write Records Smart Service
- Modularize with Start Processes and Subprocesses
- Troubleshoot Your Process Model
- Surface a Process to Business Users

Module 7: Portals: Engage Users Without Appian Logins

- Introduction to Portals
- Site vs. Portals
- Purpose of Portals
- Create and Configure a Portal

Module 8: Reports: Build Basic Charts and Grids

- Introduction to Reports
- Types of Reports
- Create a Read-Only Grid
- Create a Column Chart
- Compile a Report

Module 9: Building Dynamic Interfaces

- Getting Started with Building Dynamic Interfaces
- Solutions
- Introduction to Expression Model
- Use Local Variables to Store Data

- Use Dynamic Links to Capture User Selections
- Editable Grids
- Examine an Interface Pattern
- Create a Wizard and Save Your Data

Module 10: Build Complex Interfaces by Adapting Patterns

- Complex interfaces to meet your users' requirements
- Build interfaces by adapting patterns
- Optimize interfaces for mobile devices
- Main Parts of user-centered design
- Commonly used Appian interface components and Best Practices
- Write Data with Custom Data types

Module 11: AI Skills

- What are AI skills
- What makes a Good Dataset
- Create AI Skills