**APPIAN NOTES: Date : 22 - feb - 2023**

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**Appian low code capabilities**

1 Process Mining

2 workflow

3 Automation

> Appians provide the facility to provide a low code platform.

**LOW CODE FEATURES:**

1. Point and click configuration
2. Pre-built features
3. Drag and drop components

> Appian is a unified low code platform used to discover, design and automate processes.

> Workflow is the centerpiece of the appian platform.

> Process mining is used to discover bottlenecks, compare processes in the field, and access performance.

> Automation refers to automating task using RPA, AI, Business rules and smart services.

Unified platform = Visibility + Control

**DESIGN FAST WITH LOW CODE:**

Low code tools to build an interface

1. Pattern
2. Templates
3. Components

Type of pages appian application consist of:

1. Record list and views
2. Reporting dashboards
3. Forms

**>** Low code method we use to build record of the list is Point and click configuration.

**>** Appian process modeler has pre-built nodes and smart services.

**Appian RPA and IDP (Automation Capabilities)**

**Robotic Process Automation (RPA)** : Handles high volume manual task.

Appian RPA makes it easy to build and manage software bots that emulates human actions. We can build a robotic process in the RPA console; you can add it to the appian process using pre-configured smart services.

**Intelligent Document Processing (IDP) :** Rooted in AI and Machine Learning this technology is used to extract information from structured and semi structured PDF documents and transform it to useable data.

Automatically detect document type and extract data from documents using machine learning and AI. This can speed up data extraction and document filling. Once data is extracted, you can use it to write in the database, or make it available to business user for work.

RPA and IDP are mutually exclusive they can both work together in an appian automated process.

**PROCESS MINING:** Process miningis used to discover, optimize and monitor business processes.

Process Mining Methods:

**1.** **Process discovery**: Process discovery reveals how your process looks like in real life.

**2.** **Conformance Checking:** Reveal and identify deviations (Skipped events, Additional events, Event order switching, alternating paths), Uncover root causes

**3. Process Enhancement:** Customized dashboards are used to monitor the performance of key processes

**INTRODUCTION TO APPIAN DELIVERY METHODOLOGY**

**STEPS:**

1 INTRO

2 INITIATE AND BUILD

3 RELEASES

4 OPTIMIZE

1. Initiate: - Define goals of the project, (Sprint 0)

- Explore how the applications meet those goals

- Map out a plan to deliver value

2. Build: - Bulk of work (Sprint 2 weeks)

- build applications in quick iterations

3. Release – complete final validations

- Ensure technical readiness

- Application release

**Definition of ready (DOR):** A list of criteria must meet development to start.

Ensure user story contains enough details

Require development team to understand user stories.

**Definition of done (DOD):** A list of criteria that a unit of work must meet in order to be consider complete.

Include require testing and documentation

Ensure all work is completed

**AGILE** : A series of values and principles that provide guidance for project management.

* A project management philosophy and not a methodology.

**Agile methodologies:**

Scrum

Kanban

Feature driven development.

**Scrum:** A simple and practical approach to software development.

**Build Phase Planning:**

Agile planning

Disciplined development: Read through your user story

Inspect and adapt

**Agile Planning**: Backlog Refinement: two weeks of story that meets DOR

Story Sizing: estimate points for a story

Sprint Planning: determine what can be accomplished in the next sprint

Breakdown user story into sub task. 1. Security 2.Time

**Build Phase Planning:**

1. Planning

2. Development

3. Inspecting and Adapting

**Retrospective Meeting: - To drive continuous development.**

* What went well.
* What could be improved
* What went badly

Sprint Review : A meeting to showcase the completed features from the sprint to stakeholder.

Release and optimize: final step of the delivery methodology are release and optimize.

**APPLICATION ARCHITECTURE:**

* Create a planning document for the application.
* State the application goal and purpose
* Add performance measure
* Get ready to plan key components:  
  Group

Data

Record

Process Model

Report

**Process Model:** Process model can perform activities to capture and modify data.

**Persona and groups**

**Persona :** A representation of a group of people with similar needs who will work in the application.

**DATA DESIGN AND STRUCTURE**

* Outline Data Structure
* Identify data sources
* Verify access to data