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Benefits and Limitations of Appian- Business Process Model (BPM) Tool: Systematic Literature Review and Research Survey

Devbhan Singh, Amarjeet Lal Mehta, Shweta Saraswat

B. Tech Student, Department of CSE, Arya Institute of Engineering & Technology, Jaipur

Assistant Professor, Department of CSE, Arya Institute of Engineering & Technology, Jaipur

ABSTRACT

Are you tired of the traditional software development process that takes months to complete? Do you want a more efficient way to develop applications without sacrificing quality and functionality? Look no further than Appian, the low-code platform that is revolutionizing how businesses approach application development. With its user-friendly interface and streamlined processes, Appian allows developers to create complex applications in record time. In this blog post, we will delve deeper into what makes Appian such a powerful tool for businesses looking to streamline their app development process.

Keywords — Automation, Workflow, Application, Development.

I.   INTRODUCTION

In today's fast-paced world, time is of the essence. Businesses can't afford to spend weeks or months on developing custom software solutions when they need to be up and running quickly. This is where low-code platforms come in handy [1-2].

Appian is a low-code platform that allows users to build applications quickly and with minimal coding experience required. It offers an intuitive drag-and-drop interface that makes it easy for anyone to create sophisticated business applications without having to write code from scratch [3].

One of the most significant advantages of Appian is its ability to integrate easily with other systems, including legacy systems that may not support modern integration standards. Its integration capabilities allow businesses to leverage their existing investments while bringing new functionality and automation into their workflows seamlessly.

Another benefit of using Appian as a low-code platform is its rapid development cycle. With Appian, deploying updates or rolling out new features takes only minutes instead of days or weeks compared with traditional software development methods.

Appian has robust security features built-in throughout every stage of application development and deployment, making it ideal for enterprises looking for a secure way to develop custom applications without sacrificing agility or speed-to-market. If you're looking for a way to accelerate your application delivery process while keeping costs down without compromising on quality or security – then Appian could be just what you need.

II. TECHNOLOGY

Technology is a crucial aspect of any low code platform, and Appian is no exception. The technology used by Appian allows users to create applications quickly and easily without needing extensive coding knowledge. This advanced

technology includes a drag-and-drop interface that simplifies the application development process.

Appian's low-code platform uses automation to help businesses streamline their operations, reduce manual errors and increase productivity. It also provides security features such as user authentication, data encryption, and secure cloud hosting.

One of Appian's unique features is its ability to integrate with other software systems seamlessly. By utilizing APIs (Application Programming Interfaces), it can communicate with various backend systems such as databases, CRMs or ERPs.

In addition to its powerful technology capabilities, Appian offers support for mobile devices through native mobile apps for Android and iOS platforms. These apps offer the same functionalities available on desktops but optimized for mobile experiences.

The technology behind Appian puts power in the hands of non-technical users while still delivering enterprise-level functionality across all devices.
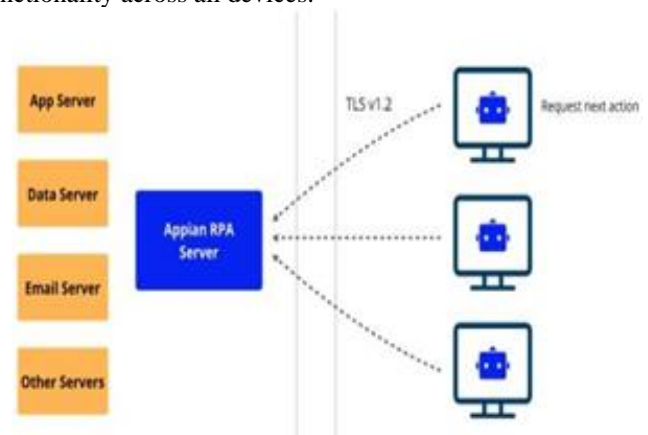

Figure 1. Appian Working Flow

III.   DISCUSSION

As we come to the end of this blog post on Appian's low code platform, it is important to reiterate the benefits and potential of using such technology. With its drag-and-drop interface and pre-built components, developers can save time and effort in building custom applications for businesses.

Moreover, Appian's low code platform enables rapid application development, making it ideal for companies looking to innovate quickly without sacrificing quality. The ability to integrate with other systems also makes it a versatile tool that can be used across industries.

However, as with any technology, there are limitations and challenges when utilizing a low code platform like Appian. It is essential that organizations carefully consider their needs and goals before implementing such solution. Appian's low code platform has immense potential in transforming how businesses approach application development by providing an efficient way to create custom applications while reducing costs and increasing productivity. As technology continues to evolve rapidly, embracing innovative tools like low code platforms will be crucial for staying competitive in today's market.

Figure 2. Application of Appian

IV.   CONCLUSIONS

Low-code apps are those that build code using a straightforward user interface, allowing you to specify the goal you want against creating the code own.

'Drag and drop' graphic interfaces make it simpler to learn how to operate the application. Even while you still need to learn how to utilize the software, learning a low-code platform like Appian makes it much simpler than learning.NET or Java.

This allows many businesses to form development teams made up of current employees rather than employing new workers.

Another benefit of not needing to create custom code to configure your Appian application is that   troubleshooting errors is much simpler.

With low-code apps, you can concentrate more on your design and achieving the desired results   more quickly and easily. There isn't any bottleneck
s holding up the writing of code by developers.

It is very easy to connect software likes Appian's to different systems. Appian enables you to interact with systems by means of APIs as opposed to costly and time-consuming sophisticated integration. In reality, it already has hundreds of unique APIs integrated or accessible through the Appian marketplace.

The software is also adaptable enough to allow a specifically development team to deploy extra programming dialects to add sophisticated automation processes and even put AI solutions into action. Businesses may leverage software like Appian to handle both straightforward and complicated problems, creating influence and value for the company.

Low-code solutions also offer a quick time to market, which helps businesses quickly complete their digital transformation from research to implementation

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