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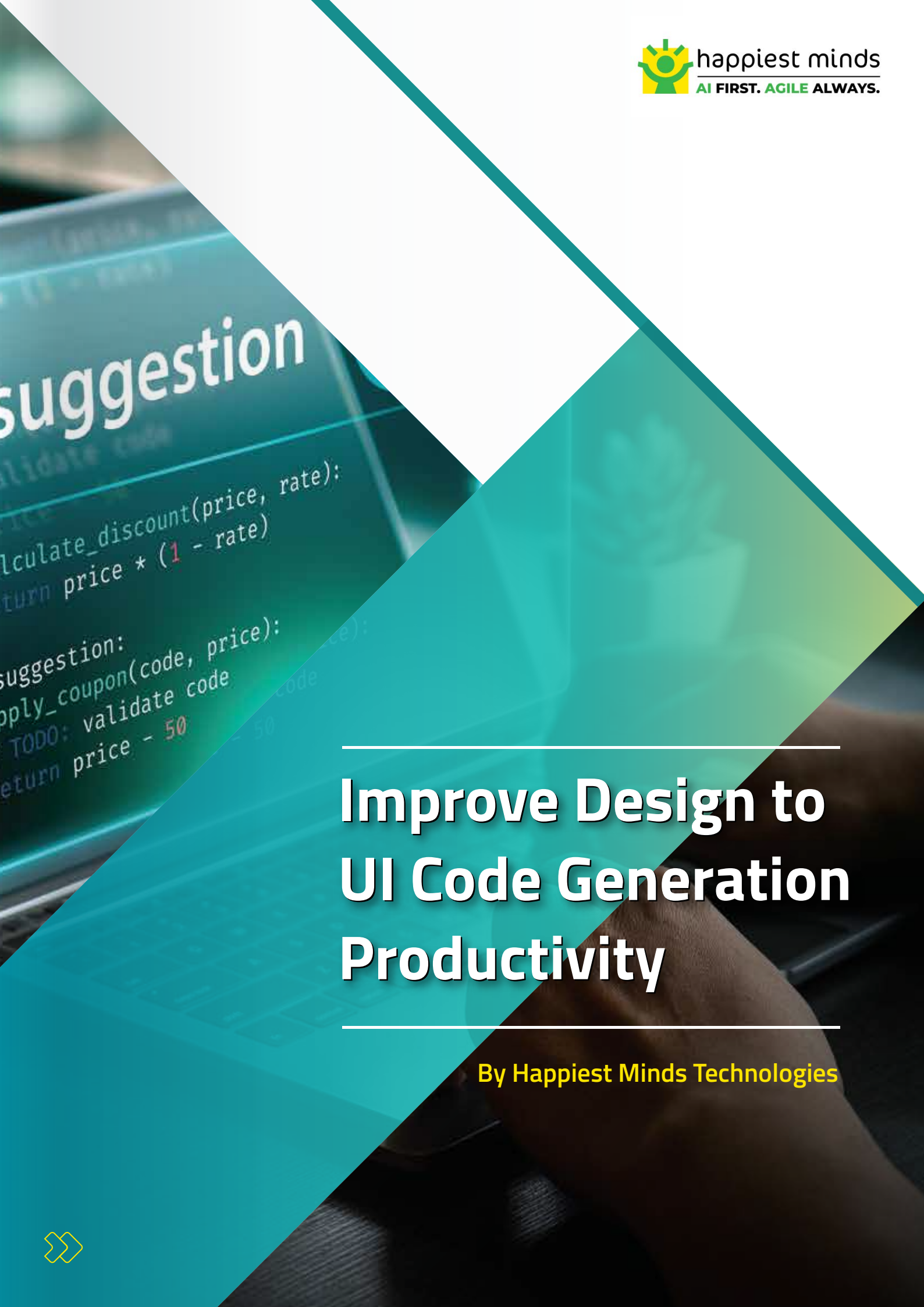

Improve Design to UI Code Generation Productivity

By Happiest Minds Technologies

Client Overview

Our healthcare client is an established global enterprise dedicated to knowledge and wellness, committed to delivering credible and trustworthy health information. The customer operates an online platform, offering articles, newsletters, and a print magazine, with a vision to enhance individuals' well-being through knowledge.

Business Challenge

A healthcare product-based company awarded a fixed-price project to develop a platform that provides highly differentiated, credible, and trustworthy health services to provide online diagnostic services to customers, within three months. The key features include booking online tests/checkups, payment gateway integration, and order management.

Solution Delivered

We evaluated Locofy AI, which is an AI-powered platform that helps developers and designers accelerate the process of turning UI/UX designs into production-ready code. It integrates with tools like Figma, Adobe XD, and Sketch to automatically generate clean, responsive React, Next.js, and React Native code.

Locofy AI helped us automate the task of handwriting code from scratch and develop a design system comprising various reusable UI components, significantly speeding up the development process. It also helped us ensure that the generated code is clean, consistent, and error-free, which eventually helps in minimizing bugs and improving the overall quality of code.

The tool was then incorporated into the project to address the above-mentioned business challenges. The tool proved beneficial in the following areas:

- It provides the ability to produce modular code in project-specific technologies like React, TypeScript, and Material UI
- By automating repetitive tasks, Locofy AI helps developers to spend more time on developing complex business scenarios.
- It offers a plugin for Figma and Adobe XD with which you can use to make your designs responsive for different screen sizes, states (such as on click), and add actions.

With the above features of the Locofy AI, we were able to accelerate the development process, thereby improving developer productivity.

Client Overview

01

Effort Reduction:

Achieved a 30–40% reduction in development effort through optimized processes and automation.

02

Improved Efficiency:

Streamlined repetitive tasks and enhanced code reusability, allowing developers to focus on high-value activities.

03

Faster Delivery:

Increased sprint velocity led to faster implementation of features and reduced development cycles.

04

Enhanced Quality:

More time allocated for testing and validation resulted in fewer defects and improved code stability.

05

Measured Improvements:

Metrics such as velocity, defect density, and lead time were tracked across sprints to validate the impact.

06

Performance Gains:

Optimized application performance as a result of better coding practices and performance-focused development.

07

Higher Team Productivity:

Developers experienced reduced rework and clearer focus, leading to better collaboration and morale.

08

Scalability Benefits:

The improvements laid a scalable foundation, reducing onboarding time and effort for new team members.

Key Learnings

Although Locofy AI produced quantifiable advantages, we also noticed certain drawbacks:

- Locofy AI might struggle with exceptionally intricate User Interfaces
- To develop quality code, the UX must go through multiple iterations that correspond with the best suggested practices.
- Lacks the granular control over code as compared to the traditional approach of handwriting code

Conclusion

This case study illustrates how Locofy AI, an AI-powered tool, can greatly improve software design to code generation efficiently. We speed up UI development and enable our teams to deliver on time with less effort by incorporating a low-code design-to-code platform tool.

With increased adoption of AI tools, we anticipate even bigger gains in code quality, maintainability, and overall engineering productivity across the SDLC phases.

For more information, write to us at business@happiestminds.com

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About Happiest Minds Technologies

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