

Customizing Cybersecurity Reports Using ChatGPT

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PROBLEM

Current manual processes for creating cybersecurity reports are time-consuming and often miss critical insights. An automated solution leveraging API calls can significantly speed up report generation and uncover new areas for improvement in cybersecurity protocols.

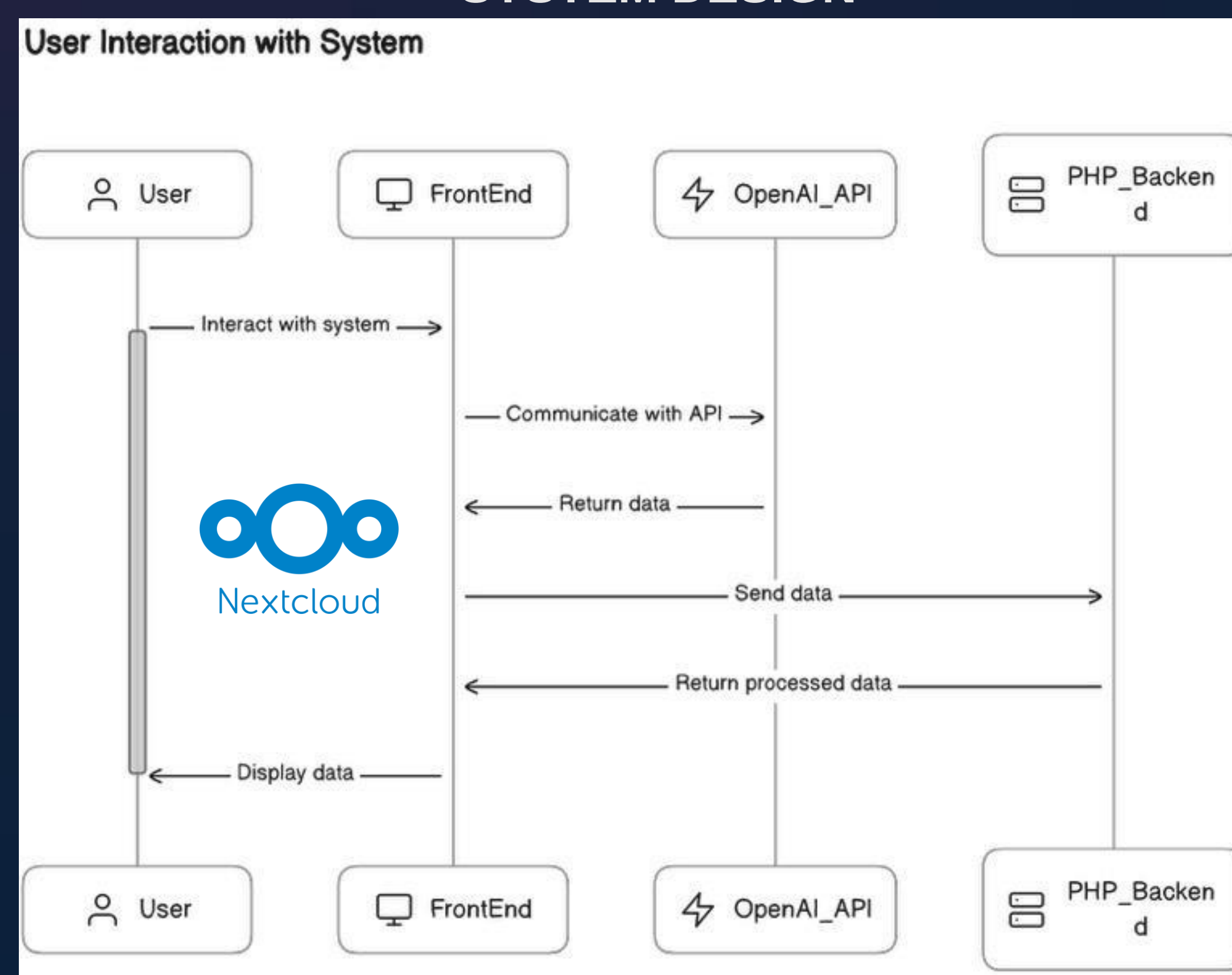
CURRENT SYSTEM

Our application is developed on an Ubuntu operating system, utilizing a stack comprising JavaScript, PHP, and CSS. It is specifically designed for integration with Nextcloud, an open-source, self-hosted file share and communication platform. This environment ensures secure handling of data while providing the flexibility needed for complex API interactions and report generation.

REQUIREMENTS



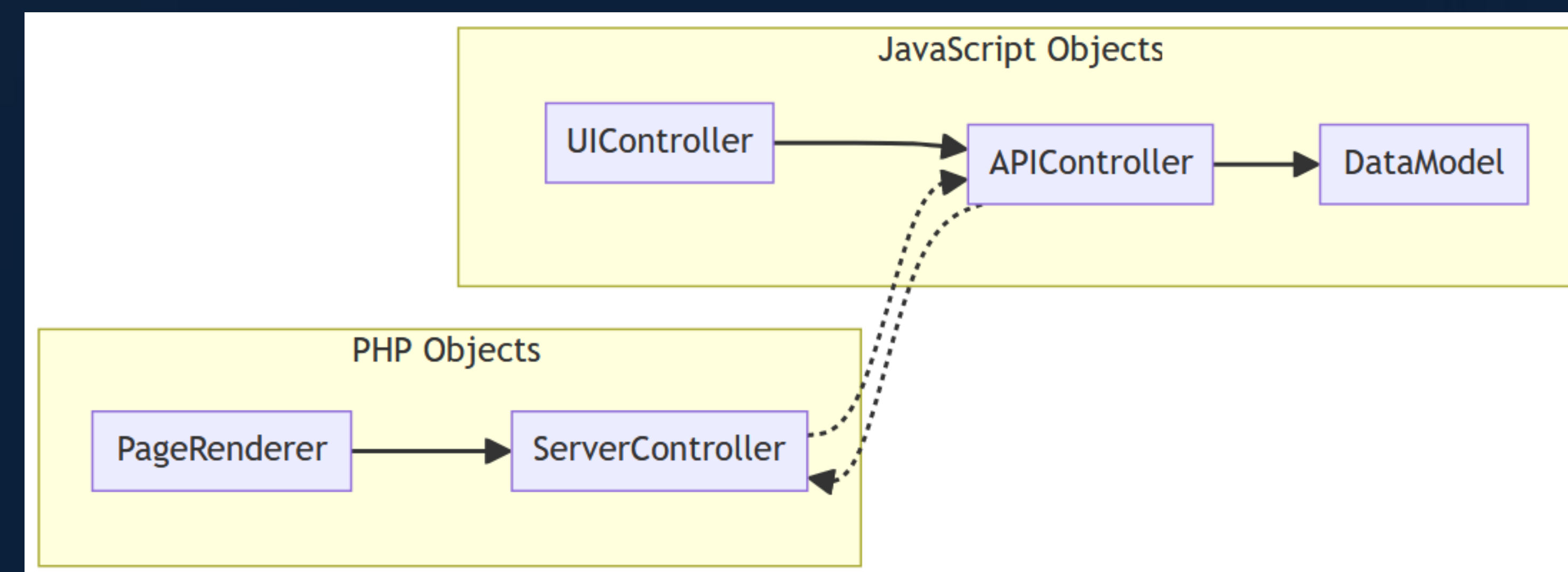
SYSTEM DESIGN



VERIFICATION

To verify the application's functionality, we conducted a series of tests, including unit testing for individual components and integration testing for API interactions. User acceptance testing was also performed to ensure the app meets the end-user requirements in a real-world scenario.

OBJECT DESIGN



SUMMARY

Our project successfully addresses the challenge of time-consuming cybersecurity report generation by integrating an automated solution into Nextcloud. Utilizing a combination of JavaScript, PHP, and CSS on an Ubuntu platform, we have created an application that streamlines report creation through efficient API calls. This not only saves time but also enhances the quality and comprehensiveness of cybersecurity reports.

IMPLEMENTATION

The implementation phase involved setting up the application on a Nextcloud instance, configuring the API integrations, and deploying the custom JavaScript and PHP scripts. Rigorous testing ensured seamless integration within the Nextcloud environment, providing an intuitive user interface for report generation.

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ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by XXXXX (name of the project sponsor: federal, state or local government, or corporate partners, where applicable). We/I thank XXXX for his/her/their assistance and mentorship that I/we received throughout the senior design project.