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Gotham Remote Logins Monitoring System ^[1]

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This project aims to completely rewrite the Gotham Remote Logins Monitoring System currently in use at CERN. The existing system has been written in Perl, and it makes use of some really old CERN libraries that make the system difficult to maintain. Python is a modern, widely used, high-level, interpreted programming language and, as a result, was chosen as the programming language for this project. There are a number of well-maintained open source libraries in Python that have been used for the purposes of this project, drastically decreasing the chances of security flaws in the libraries and thus simplifying the project maintenance. Apart from the equivalent functionality that was achieved with respect to the earlier version of Gotham, a number of new features have been added, like real-time processing of input login streams, a web based frontend to be integrated with the central account management page at CERN, a REST API for accessing previous login information by other applications.

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