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Specifications Doc and Progress Log for Group Lab

4/29/21

The purpose of this project is to create an internal file hosting server for a company’s sensitive financial documents. The first security requirement is a login page. No unauthorized users should be able to access any part of the file server. Due to the nature of the information, a tiered access program is already in place on their database server; those permissions will be replicated on the file hosting server. Secure coding practices will be used wherever possible, with a particular emphasis on preventing unauthorized access to files via SQL injection attacks.

Expected input sources are only keystrokes and mouse clicks, mostly on the login page. The project met initial expectations, with very few difficulties. No bugs and/or hacks are known at this time.

Security defense strategies included:

* Use of PreparedStatements instead of raw SQL
* Least Privilege/ Default Deny access

Progress Log

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| --- | --- | --- |
| Task | Team Member | Details |
| Build JSP files and HTML Pages | Ariel |  |
| Change file paths to relative paths from absolute | Russell | Used getServletContext() to ensure files remained accessible regardless of hosting environment |
| Testing | Russell | Conducted testing to ensure file permissions were correct per specification |
| Code Documentation | Ariel | employeeLogin.jsp |
| Code Documentation | Russell | FileAccessPage.jsp |
| Specifications Document | Russell | Wrote Specs Doc |
| Testing Document | Russell | Wrote Testing Doc |
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