Why Logging Is Important?

Logging is the practice of recording events, actions, and messages from applications or systems into files, databases, or monitoring tools.

UseCase: login  
                       |SERVER(loginController, login service, loginDAO)|  
    loginview.html     => loginController => login service => loginDAO      => DB  
    loginview.html     <= loginController <= login service <= loginDAO      <= DB

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| Logging |
| - Troubleshooting            Helps diagnose errors or failure quickly |
| - Understanding Behaviour    Tracks how user and system behave over time |
| - Auiditing & compliance     Keeps historicalnrecords for security and audits |
| - Perform Monitoring         Identities bottlenecks or abnormal patterns. |
| - reproducibility            Lets you recreate steps that led to an issue |
| - Alerts & Notifications     Enables real-time alerts when problems occur |