**Project Selected: Logger**

**Group Members:**

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**Abstract:**

This project involves developing a simple logger that tracks all user activities on a computer system and syncs the log file to the user's Dropbox account. The application will log activities such as application usage, user logins/logouts, and other system-level interactions. By integrating with Dropbox, the logged data will be automatically synced to the cloud for backup and review.

**Implementation:**

The project will be developed for desktop platforms, focusing on Windows or Linux. The key components will include:

1. **Activity Logger**: A background process will monitor system-level events like application launches, user logins/logouts, and file access activities. It will write logs into a local file.
2. **Dropbox Integration**: Using Dropbox’s API, the log files will be automatically uploaded to the user's Dropbox account. This will require setting up OAuth authentication to securely link the user's account.
3. **Background Process**: The logger will run as a lightweight background process or service, ensuring minimal impact on system performance.
4. **Log File Management**: Logs will be written to a local file, and after reaching a certain size or at regular intervals, the file will be uploaded to Dropbox using the Dropbox API.

**Outcome:**

The outcome will be a desktop application that continuously logs user activities and syncs these logs to Dropbox. This ensures regular backups and allows users to review their activity history via cloud storage.