

Final Retrospective Notes

1. What Went Well

Technical Deliverables

Our team successfully delivered a functional MVP that included the following key components:

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| Technical Deliverables | *AIGC Detection Module using Alibaba Cloud API |
| | *Trust Profile system allowing users to define their credibility criteria |
| | *Trust Report generation and display |
| | *Image search functionality |
| | *Image browsing interface with credibility indicators |
| | *Backend and database documentation |
| | *Complete setup, deployment, and API usage guides |

Team Collaboration

We maintained effective collaboration through agile methods, which included:

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| Team Collaboration | *Weekly team meetings and sprint retrospectives |
| | *Task planning and tracking using Jira |
| | *Codebase management and version control via GitHub |
| | *Clear documentation shared via GitHub repositories |

2. What Could Be Improved

Frontend UI Optimization

Although functional, the frontend interface requires further refinement to meet higher visual and usability standards. Due to the large number of pages and limited time, we were unable to implement all of the client's suggestions. Future teams are encouraged to improve the UI/UX to enhance user engagement.

Testing and Debugging

Time constraints limited the extent of unit and integration testing, especially in the

final development phase. Some bugs were identified post-deployment. We recommend that future teams establish structured testing procedures earlier, including defined test cases and automated testing pipelines.

3. Lessons Learned

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| UI/UX Design Requires Dedicated Time | Even with robust backend logic, a polished and intuitive UI plays a critical role in user trust and system adoption. |
| Modular Design Enhances Parallel Development | Dividing the backend into services and the frontend into isolated components helped distribute tasks efficiently and reduce merge conflicts. |
| Documentation is Essential for Handover | Maintaining up-to-date and comprehensive documentation ensures continuity between development teams and prevents knowledge silos. |

4. Suggestions for Future Projects

*Allocate more time for frontend interface refinement and user testing

*Introduce automated unit and integration testing from the beginning

*Maintain close communication with clients regarding design expectations

*Continuously document backend logic and frontend feature behavior