Conclusion

The Study Buddies platform aims to improve students' academic and social experiences by promoting cooperation, mentorship, and resource sharing. The platform offers students an organised yet flexible support system through fundamental features including profile matching, study group development, and event scheduling.

The project achieves scalability and efficiency by utilising current web technologies such as Node.js, MySQL, PUG templating, and JavaScript, as well as GitHub Actions for CI/CD and Docker for environment management. Ethical factors such as data privacy, diversity, and user safety underline the platform's dedication to creating a safe and inviting environment.

Finally, Study Buddies is more than a tool; it is a community-driven project designed to assist students navigate university life with confidence and support. This initiative aims to improve student performance via innovation and teamwork.