

Title : Quality Assurance and Manual Testing of Amarin E-Library Application

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ABSTRACT

This cooperative education placement focused on the operational quality assurance of Salix Space Co., Ltd., specifically through the functional testing of the Amarin E-Library Application. The primary objective was to minimize software defects and ensure system reliability prior to official deployment. The internship involved comprehensive manual testing of both mobile and web platforms, utilizing Postman for API verification and Figma for user interface validation. To guarantee cross-platform compatibility, testing was conducted on physical iOS and Android devices, supplemented by environment simulation using Android Studio. The scope of work encompassed use case analysis, test case management using Microsoft Excel, and defect reporting. A key challenge involved resolving user interface responsiveness issues, which was managed through iterative feedback loops with the development team. The results demonstrated high system stability, with all core functions operating reliably. All identified defects were successfully rectified, ensuring the system's readiness for production. Furthermore, a comprehensive User Manual was developed to facilitate a seamless transition for end-users. This systematic approach significantly reduced post-launch risks and established strong product credibility for the organization.

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