

ABSTRACT

Career planning is a crucial process for students in determining their future professional paths. However, many students struggle to plan their careers independently due to a lack of confidence in their career choices and limited access to structured information. Existing career guidance services are still dominated by conventional approaches that are less interactive and not aligned with students' digital habits. To address this issue, this study developed an Android-based career planning application using the Extreme Programming (XP) methodology as an adaptive and efficient solution. The development process included planning, designing, coding, testing, and publishing the application on the Google Play Store. The application was evaluated using Blackbox Testing and User Acceptance Testing (UAT). The Blackbox Testing results indicated that all functionalities were 100% valid, while UAT results showed average scores of 80.8% for functionality, 86% for usability, and 77.33% for design. These findings suggest that the application is feasible to be used as an independent and guided career exploration tool for students.

Keywords: Career Planning, Android, Extreme Programming, BlackBox Testing, User Acceptance Test