



Role Statement

Position title:	Senior Test Analyst	Position no:	P26934
Classification:	ASO6	Review date:	August 2024
Directorate:	Planning and Building		
Business unit:	PlanSA		

About us

Our department's primary objective is the delivery of homes and housing options for South Australians. In response to the national housing crisis, we are committed to accelerating the build of a diverse range of housing options. We strive to find solutions to the urgent demand for housing security.

Our mission focuses on coordinating various portfolios related to housing, housing infrastructure, urban development, and planning. By ensuring sound decisions and efficient management, we strive to create sustainable, well-planned communities offering safe and affordable housing options.

Planning and Building, a directorate of the Department for Housing and Urban Development is an innovative and impactful team of land and built environment professionals that manage the planning and land use systems and policy tools for the state. This includes strategic planning, growth management, design and land use services – all with a focus on creating more vibrant, diverse and engaging places for our communities to thrive.

Join us in our endeavour to address one of the most pressing challenges of our time and make a tangible difference in the lives of our community.

OUR VALUES: Professionalism | Service | Respect | Courage and Tenacity | Collaboration and engagement | Trust | Sustainability | Honesty and Integrity |

About this role

The Senior Test Analyst is a member of the Plan SA Delivery team and is accountable to the Test Lead, Plan SA. The role plays a key role in the delivery of successful and quality work outcomes, undertaking work that is complex and detailed.

This role provides a source of expertise in testing planning, execution and reporting for defects and enhancements to Plan SA systems. The Plan SA system for which this role is responsible comprises multiple sub-systems including:

- Development Application Processing System (DAP)
- Plan SA Portal
- Planning Information Exchange
- Online Planning & Design Code
- Online Consultation
- Document Management System
- Operational Data Store

Who will you work with

- Reports to the Test Lead
- Internal and External Stakeholders
- Team members from PlanSA Service Desk and Delivery and Support team
- PlanSA and Planning and Building leadership teams

Conditions

- Some out of hours' work may be required.
- Some intra state, international and interstate travel may be required.
- Required to maintain a safe working environment by adopting appropriate hazard management practices consistent with the role.
- Compliance with Government legislation, Code of Ethics for the SA Public Sector, Departmental policies and procedures, including information management, WHS and injury management, risk management, and the access / equity / diversity strategies of the public sector.
- Required to obtain a National Police Check prior to employment. A renewal will be required every 3 years.

What you will do

Key responsibilities

Support the PlanSA System

Specified duties

- Collaborate with Business Analysts, Developers, Test Analysts, and other Subject Matter Experts to understand and identify testing requirements and create relevant test plans.
- Design, develop and execute robust test cases and test scenarios that meet test objectives and ensure thorough testing is conducted and edge cases are considered.
- Assess estimates whilst in the planning phase and provide guidance to both the Test Lead and Delivery Manager.
- Perform system testing for new functionality execution as well as system production issues in line with agreed timelines and priorities.
- Understand and contribute to the development and maintenance of PlanSA's automation framework and regression test suite.
- Understand and execute Performance testing, troubleshoot issues, and escalate to Developers when necessary.
- Execute all levels of testing, including system, integration, Acceptance, including UAT etc.
- Manage defect tracking, document test results and re-test defect fixes.

Performance indicator/ measurement

- Defects are highlighted, discussed, and fixed (where possible) during the testing phase.
- Automation results are investigated and failures are communicated and escalated in a timely manner.
- Performance and Automation results are analysed, risks are identified, communicated and recommendations are provided.
- Identify and create effective and relevant test plans, ensuring requirements are met.
- Demonstrates a flexible and adaptable attitude.

Mentorship

- Support in the development of test reporting that highlights results from test execution and provides an overview of system quality.
- Highlight opportunities and recommend improvements for continuous improvement of testing quality.
- Escalate issues and risks in a timely manner.
- Maintain effective communication to ensure cohesiveness between test and development activities.
- Identify and update user procedures and documentation.
- Identify and communicate redundant functions and components.

- Review testing strategies and support the Test Lead in the implementation of strategy.
- Peer review test cases created by Test Analysts to ensure standards are upheld, appropriate test coverage is achieved, and changes are approved for deployment.
- Offer mentorship and contribute to the development of less experienced testing resources.

Contribute to Culture

- Actively participate and contribute to responsible and safe work practices.
- Positively engage within the work team to help ensure a constructive and effective team environment.
- Embrace diversity and cultural differences in the workplace.

- Assist Test Lead in ensuring appropriate business approvals are obtained in a timely manner.
- Provide technical knowledge, mentorship, and training to achieve an effective testing outcome, work objectives and performance indicators are achieved.

- Work practices are safe and Work Health and Safety legislation, policies and procedures are adhered.
- Respectful behaviour observed at all times, including when working under pressure, and when faced with diversity/differences in opinion.

- Ensure team/business/department related online training modules are completed on time

The capabilities you will bring

Technical expertise

- 5+ years' experience within a similar testing specific role.
- ISTQB qualification in Software Testing or equivalent qualifications.
- Experience working with JIRA & Xray or similar testing tools.
- Well-developed, applied knowledge of System Development and support Methodologies (SDLC, Agile Development and ITIL).
- Relevant tertiary level qualification (Desirable).
- Demonstrated leadership experience in coaching and developing people (Desirable).
- Experience in business process management (Desirable).
- Experience in Azure and AWS (Desirable).
- PlanSA System and Business process knowledge (Desirable).

Personal abilities

- Clear and effective communication, both verbally and in writing.
- Excellent planning skills and adherence to deadlines.
- Ability to track and write reports on technical assessments.

Experience

- Experience in testing within cloud environments.
- Extensive experience in functional testing.
- Well-developed, applied knowledge of risk-based testing.
- Experience in integration testing, including knowledge of tools such as Postman.
- Experience in both black box and white box testing.
- Experience in performance testing, including knowledge of tools such as JMeter.