

Consider yourself as a Software Tester with 20 years of experience, Analyze the Requirement attached and let me know What are the things to include in the Test Plan, give the result in the below format.

1. Objective
2. Scope
3. Inclusions
4. Exclusions
5. Test Environments
6. Defect Reporting Procedure
7. Test Strategy
8. Test Schedule
9. Test cases positive and negative in tabular format.
10. Entry and Exit Criteria
11. Tools
12. Risks and Mitigations
13. Approvals

Certainly! Based on the requirement document you provided (regarding an AB Testing Tool with Login and Dashboard), here is a comprehensive Test Plan outline, tailored from the perspective of a software tester with 20 years of experience:

1. Objective

To validate the functionality, usability, and reliability of the AB Testing Tool, focusing on the login, dashboard, and campaign management features. The goal is to ensure that the tool accurately supports AB testing workflows, measures conversions, and presents data correctly to the user.

2. Scope

- **In Scope:**
 - Login and Sign Up functionalities
 - Dashboard display and navigation

- Campaign creation and management
- AB test execution and result tracking
- Conversion funnel visualization
- User interface and user experience validation
- **Out of Scope:**
 - Backend data analytics algorithms
 - Third-party integration testing
 - Performance/load testing (unless specified otherwise)

3. Inclusions

- Functional testing of login, signup, dashboard, and campaign modules
- Positive and negative test scenarios
- UI/UX validation for all user-facing pages
- Data validation for AB test results and conversion funnels
- Security testing for authentication flows

4. Exclusions

- Deep-dive performance and scalability testing
- Penetration testing beyond basic authentication checks
- Testing of backend analytics engine logic
- Mobile app (unless specified)

5. Test Environments

- **Browsers:** Chrome, Firefox, Edge, Safari (latest versions)
- **OS:** Windows 10/11, macOS, Linux (Ubuntu)
- **Test Data:** Dummy user accounts, campaigns, and test content
- **Staging and QA environments** mirroring production setup

6. Defect Reporting Procedure

- Defects will be logged in [JIRA/Bugzilla/Your Tool]
- Each defect will include:
 - Summary
 - Steps to reproduce
 - Expected vs. actual results

- Screenshots/logs (if applicable)
- Severity and priority assignment
- Defects will be tracked until closure and retested upon fix

7. Test Strategy

- **Manual Testing:** For UI/UX, exploratory, and ad-hoc scenarios
- **Automated Testing:** For regression and repetitive functional flows (using Selenium/Cypress)
- **Smoke Testing:** On each new build
- **Regression Testing:** On major/minor releases
- **Ad-hoc Testing:** For edge cases and exploratory scenarios

8. Test Schedule

Activity	Start Date	End Date
Test Planning	08-Jun-2025	09-Jun-2025
Test Case Preparation	09-Jun-2025	11-Jun-2025
Environment Setup	10-Jun-2025	11-Jun-2025
Test Execution	12-Jun-2025	18-Jun-2025
Defect Reporting/Retest	12-Jun-2025	20-Jun-2025
Test Closure	21-Jun-2025	21-Jun-2025

9. Test Cases (Positive and Negative)

#	Test Case Description	Positive/Negative	Expected Result
1	Login with valid credentials	Positive	User is logged in and sees dashboard
2	Login with invalid password	Negative	Error message displayed, login denied
3	Sign up with valid details	Positive	Account created, user redirected
4	Sign up with existing email	Negative	Error: Email already exists
5	Access dashboard without login	Negative	Redirected to login page
6	Create new campaign with valid data	Positive	Campaign created, listed in dashboard
7	Create campaign with missing mandatory fields	Negative	Error: Required fields highlighted
8	Run AB test and check both versions are served	Positive	Both A and B versions displayed to users

#	Test Case Description	Positive/Negative	Expected Result
9	Verify conversion tracking for both versions	Positive	Conversions recorded per version
10	Attempt SQL injection in login fields	Negative	Input sanitized, login denied
11	Check session timeout after inactivity	Positive	User is logged out after timeout
12	Edit existing campaign and save changes	Positive	Changes saved and reflected
13	Delete campaign and verify removal	Positive	Campaign removed from dashboard
14	Check UI responsiveness on different browsers	Positive	UI renders correctly across browsers

10. Entry and Exit Criteria

- **Entry Criteria:**

- Requirements and design documents are signed off
- Test environment is ready
- Test cases are reviewed and approved

- **Exit Criteria:**

- All planned test cases executed
- All critical and high defects are closed or have workarounds
- Test summary report submitted

11. Tools

- Test Management: JIRA / TestRail / Zephyr
- Automation: Selenium / Cypress
- Defect Tracking: JIRA / Bugzilla
- Documentation: Confluence / Google Docs
- Communication: Slack / Teams

12. Risks and Mitigations

Risk	Mitigation
Incomplete requirements	Early and frequent stakeholder reviews
Delays in environment setup	Parallelize with test case writing, escalate early
Unstable builds	Daily smoke tests, rollback plan
Unclear defect priorities	Regular triage meetings with product owner

Risk	Mitigation
Browser compatibility issues	Test on all supported browsers from the start

13. Approvals

- Test Lead: [Name]
- QA Manager: [Name]
- Product Owner: [Name]
- Stakeholders: [List]

Let me know if you need detailed test cases or further breakdown for any section!

✱

Consider yourself as a Software Tester with 20 years of experience, Analyze the Requirement attached and let me know What are the things to include in the Test Plan, give the result in the below format.

1. Objective
2. Scope
3. Inclusions
4. Exclusions
5. Test Environments
6. Defect Reporting Procedure
7. Test Strategy
8. Test Schedule
9. Test cases detailed positive and negative steps in tabular format.
10. Entry and Exit Criteria
11. Tools
12. Risks and Mitigations
13. Approvals

Certainly! Based on the attached requirement for the **AB Testing Tool with Login and Dashboard**, here's a detailed Test Plan structured as requested and tailored from a senior software tester's perspective:

1. Objective

To ensure the AB Testing Tool functions as intended by validating login, dashboard, campaign creation, and AB test execution, including conversion tracking and reporting. The test plan will confirm the tool's usability, data accuracy, and security.

2. Scope

- **In Scope:**
 - User authentication (Login/Sign Up)
 - Dashboard access and display
 - Campaign creation and management
 - AB test setup and execution (showing two versions: A and B)
 - Conversion funnel tracking and reporting
 - UI/UX validation on supported browsers
- **Out of Scope:**
 - Deep backend analytics algorithms
 - Third-party integrations (unless specified)
 - Mobile application testing (unless specified)
 - Performance/load testing

3. Inclusions

- Functional, UI, and security testing of login, dashboard, and campaign modules
- Positive and negative test scenarios
- Data validation for AB test results and conversion funnels
- Usability checks for dashboard and campaign management

4. Exclusions

- Backend analytics engine logic validation
- Detailed performance and scalability testing
- API testing (unless endpoints are exposed)
- Penetration testing beyond basic authentication checks

5. Test Environments

- **Browsers:** Chrome, Firefox, Edge, Safari (latest versions)
- **Operating Systems:** Windows 10/11, macOS, Ubuntu
- **Test Data:** Sample user accounts, campaigns, and test content
- **Environments:** Staging and QA environments mirroring production

6. Defect Reporting Procedure

- Defects to be logged in JIRA (or specified tool)
- Each defect must include:
 - Summary, steps to reproduce, expected vs. actual results
 - Screenshots/logs (where applicable)
 - Severity and priority
- Defects are tracked, retested upon fix, and closed after validation

7. Test Strategy

- **Manual Testing:** For UI, exploratory, and ad-hoc scenarios
- **Automated Testing:** For regression and repetitive flows (using Selenium/Cypress)
- **Smoke Testing:** On every new build
- **Regression Testing:** On every release
- **Ad-hoc/Exploratory Testing:** For edge cases

8. Test Schedule

Activity	Start Date	End Date
Test Planning	08-Jun-2025	09-Jun-2025
Test Case Preparation	09-Jun-2025	11-Jun-2025
Environment Setup	10-Jun-2025	11-Jun-2025
Test Execution	12-Jun-2025	18-Jun-2025
Defect Reporting/Retest	12-Jun-2025	20-Jun-2025
Test Closure	21-Jun-2025	21-Jun-2025

9. Detailed Test Cases (Positive and Negative)

#	Test Case Description	Steps	Expected Result	Positive/Negative
1	Login with valid credentials	1. Navigate to login page 2. Enter valid email and password 3. Click 'Login'	User is logged in and redirected to dashboard	Positive
2	Login with invalid password	1. Navigate to login page 2. Enter valid email and invalid password 3. Click 'Login'	Error message shown, login denied	Negative
3	Sign up with valid details	1. Navigate to sign up page 2. Enter valid email, password, and other required fields 3. Submit	Account created, user redirected to dashboard	Positive
4	Sign up with existing email	1. Navigate to sign up page 2. Enter already registered email 3. Submit	Error: Email already exists	Negative
5	Access dashboard without login	1. Open dashboard URL directly without logging in	Redirected to login page	Negative
6	Create campaign with valid data	1. Login 2. Go to campaign section 3. Click 'Create Campaign' 4. Enter valid details (name, URLs, etc.) 5. Save	Campaign created, listed in dashboard	Positive
7	Create campaign with missing fields	1. Login 2. Go to campaign section 3. Click 'Create Campaign' 4. Leave required fields blank 5. Save	Error: Required fields highlighted	Negative
8	Run AB test and verify both versions	1. Create AB test campaign 2. Launch campaign 3. Access test page multiple times 4. Observe if both A and B versions are shown	Both versions are served to users randomly	Positive
9	Conversion tracking for both versions	1. Run AB test 2. Complete conversion action on both A and B 3. Check dashboard for conversion stats	Conversions tracked and displayed per version	Positive
10	SQL injection in login fields	1. Enter SQL code in email/password fields 2. Click 'Login'	Input sanitized, login denied, no system error	Negative

#	Test Case Description	Steps	Expected Result	Positive/Negative
11	Session timeout after inactivity	1. Login 2. Remain idle for session timeout period 3. Try to perform action	User is logged out, redirected to login	Positive
12	Edit campaign and save changes	1. Login 2. Go to campaigns 3. Edit existing campaign 4. Change details 5. Save	Changes saved and reflected in dashboard	Positive
13	Delete campaign and verify removal	1. Login 2. Go to campaigns 3. Delete a campaign 4. Check dashboard	Campaign removed from dashboard	Positive
14	UI responsiveness across browsers	1. Access tool on Chrome, Firefox, Edge, Safari 2. Navigate through all pages	UI renders correctly and is usable on all browsers	Positive
15	Create campaign with invalid URL	1. Login 2. Go to create campaign 3. Enter invalid URL in URL field 4. Save	Error message for invalid URL	Negative
16	Attempt to create campaign without login	1. Logout 2. Try to access create campaign page directly	Redirected to login page	Negative
17	Dashboard shows expired trial warning	1. Login with expired trial account 2. Access dashboard	Expired trial warning displayed	Positive
18	Conversion funnel displays correctly	1. Run AB test 2. Perform conversion actions 3. Check conversion funnel on dashboard	Funnel displays correct conversion data	Positive

10. Entry and Exit Criteria

- **Entry Criteria:**

- Requirements and design documents signed off
- Test environment ready
- Test cases reviewed and approved

- **Exit Criteria:**

- All planned test cases executed
- All critical/high defects closed or have workarounds
- Test summary report submitted

11. Tools

- **Test Management:** JIRA / TestRail / Zephyr
- **Automation:** Selenium / Cypress
- **Defect Tracking:** JIRA / Bugzilla
- **Documentation:** Confluence / Google Docs
- **Communication:** Slack / Teams

12. Risks and Mitigations

Risk	Mitigation
Incomplete requirements	Early and frequent stakeholder reviews
Delays in environment setup	Parallelize with test case writing, escalate early
Unstable builds	Daily smoke tests, rollback plan
Browser compatibility issues	Test on all supported browsers from the start
Data loss during campaign deletion	Confirm with user before deletion, backup test data

13. Approvals

- **Test Lead:** [Name]
- **QA Manager:** [Name]
- **Product Owner:** [Name]
- **Stakeholders:** [List as per project]

Let me know if you need more detailed test steps or want to expand any section further!

✱
✱✱