Snapshot Objectives
Role-Based Internal Platform for Targeted Content Delivery

Version 1.0.0

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Contents

1 Introduction

This document defines the objectives for each snapshot for the **Role-Based Internal Platform for Targeted Content Delivery**. Snapshots represent development milestones. Each snapshot includes:

- Functional objectives (SRS requirements).

- Design and documentation deliverables.

- Testing objectives tracked using Jira.

2 Snapshot 1 Objectives

2.1 Goal

Establish the foundational architecture, implement basic authentication, and produce a minimal working interface. This snapshot validates that the system is functional.

2.2 Functional Objectives

- Implement the user authentication workflow:

  - Support login with email and password (FR-01, FR-02).
  - Restrict access to authenticated pages (FR-03).
  - Associate users with roles within the database (FR-04).
  - Restrict administrative pages based on roles (FR-05).

- Provide a simple post-login dashboard with placeholder content (precursor to FR-15).

2.3 Design and Documentation Objectives

- Deliver initial versions of:

  - Software Requirements Specification (SRS).
  - Software Design Document (SDD).
  - README / User Manual.
  - Design Specification.
  - Workflow Diagrams

- Define the initial database schematic for *User*, *Role*, and *UserRole*.

2.4 Testing Objectives

- Create Jira test cases for:

  - Login with valid credentials.
  - Login with invalid credentials.
  - Access control for protected routes.

- Conduct manual smoke testing for the authentication flow.

3 Snapshot 2 Objectives

3.1 Goal

Introduce full content management and targeting rule capabilities, enabling administrators to create content and assign audiences based on user attributes.

3.2 Functional Objectives

- Implement content management functionality (FR-06–FR-10):

  - Create content items with title, body, categories, and tags.
  - Specify start and end dates.
  - Mark items as mandatory or optional.
  - Edit and archive existing content.

- Implement attribute-based targeting rules (FR-11–FR-14):

  - Define rules using role, department, and location attributes.
  - Support logical AND/OR combinations.
  - Evaluate targeting rules at runtime.
  - Update targeting evaluations when user attributes change.

- Provide an **Admin Content List** and **Content Editor** UI.

3.3 Design and Documentation Objectives

- Update the SDD with:

  - Detailed design for the Content Management module.
  - Targeting Engine architecture and data model updates.

- Update the Design Specification with:

  - Admin Content List page layout.
  - Content Editor form fields and workflows.

3.4 Testing Objectives

- Create Jira test cases for:

  - Creating content with valid and invalid data.
  - Editing and archiving content.
  - Creating and validating targeting rules.
  - Ensuring visibility of content matches targeting criteria.

4 Snapshot 3 Objectives

4.1 Goal

Deliver the full targeted content feed, user acknowledgement capabilities, and core analytics/reporting tools.

4.2 Functional Objectives

- Implement targeted content feed features (FR-15–FR-19):

  - Display only active, targeted content.
  - Apply filters for categories and completion status.
  - Provide search by title or keyword.

- Implement acknowledgement and tracking features (FR-20–FR-23):

  - Record content views.
  - Allow acknowledgement of mandatory content.

– Prevent acknowledgement on behalf of another user.

- Implement reporting features (FR-24–FR-26):

    – Provide overview metrics for content.
    – Provide team completion reporting for managers.

4.3 Design and Documentation Objectives

- Update SDD sections regarding:

    – Delivery Service.
    – Analytics and Reporting architecture.
    – DeliveryEvent schema and aggregation logic.

- Update the Design Specification to include:

    – End User Dashboard.
    – Content Detail Page.
    – Reports Dashboard.
    – Manager Team Completion view.

- Update the README with user and admin workflows for content delivery and reporting.

4.4 Testing Objectives

- Define Jira test cases for:

    – Feed behavior across multiple roles and departments.
    – Acknowledgement event tracking.
    – Accuracy of reporting calculations.

5 Snapshot 4 Objectives

5.1 Goal

Finalize administrative tools, improve nonfunctional aspects, and complete all documentation required for project delivery.

5.2 Functional Objectives

- Implement full user and role management (FR-27–FR-30):

    – Create, update, deactivate, and reactivate users.
    – Assign and manage roles.
    – Reset passwords.
    – Log administrative changes.

- Refine and polish previously implemented features:

    – Improve UI/UX elements based on prior feedback.
    – Add additional filters or search tools as needed.

5.3   Design and Documentation Objectives

- Finalize SRS and SDD:

  - Ensure design and requirements reflect the implemented system.
  - Complete revision histories and update traceability.

- Finalize:

  - Design Specification.
  - README / User Manual (including Jira link).
  - Snapshot Objectives (this document).

5.4   Testing Objectives

- Create a final Jira test cycle that:

  - Tests all major system features end-to-end.
  - Includes regression tests from earlier snapshots.