

Snapshot Objectives

Role-Based Internal Platform for Targeted Content Delivery

Version 1.0.0

Group 20

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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 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.