

# Week 5 — Authentication & Authorization

**Apr 28 – May 2**


## What We're Covering

Auth concepts on Day 1 — passwords, hashing, JWT tokens, and why security matters. Day 2 is the auth-squared deep dive — building a real authentication system from a template.

## Readings


- [Authentication & Authorization](#)

## Due This Week

 **Quiz 5 — Due: Sunday, May 3 at 11:59 PM**


[Canvas · Site](#)

Covers: Authentication & Authorization

 **Check-Off: Auth-Squared — Due: Sunday, May 3 at 11:59 PM**

[Canvas · Site](#)

Implement validation, JWT auth, and admin RBAC from the auth-squared template.

 **Sprint 3 — Due: Sunday, May 3 at 11:59 PM**

[Canvas · Site](#)

Full route coverage, RBAC, OpenAPI complete, combined/enriched endpoints.

## What You Should Be Working On

- **Sprint 3** – finish your back-end route coverage, add RBAC, complete OpenAPI docs.
  - **Auth-Squared check-off** – individual work building authentication from the template.
  - **Review the validation guide** – [Error Handling & Validation](#) covers patterns you'll need for Sprint 3.
  - **Read the Week 5 reading** and take Quiz 5.
  - **AI Diary** – log your Week 5 entry.
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## Learning Objectives & Course Outcomes

### Syllabus Learning Objectives addressed this week:

- **L01:** Design and implement RESTful web APIs using a server-side framework
- **L03:** Implement authentication and authorization using token-based and federated identity patterns
- **L07:** Collaborate in teams using version control workflows, sprint milestones, and code review

### Course Outcomes:

- **Inquiry and Critical Thinking** – modes of inquiry, analysis, and critical synthesis
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## Lecture Recaps

- Tuesday – *Coming soon*
- Thursday – *Coming soon*