

Sprint 2 Planning Document — Capstone Design

Project Management

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Planned Sprint Start: March 3, 2026

Planned Sprint Length: 3 weeks

1. Sprint Goal

Deliver the first end-to-end, role-aware user experience by implementing authentication, sponsor and student workflows, and realistic test data. At the end of this sprint, sponsors should be able to create accounts and submit projects, students should be able to browse and rank projects, and the system should support basic OAuth-based login for development and testing.

2. Scope (Planned Work for Sprint 2)

- **Authentication:** Integrate OAuth-based authentication using a pre-packaged OAuth container for local and test environments.
- **Email Client:** Configure a basic email client/service for account and workflow notifications (implementation and wiring, not full templating).
- **Sponsor Workflow (Frontend):** Complete sponsor-facing pages including sign-up/account creation, project submission form, and project edit/details pages.
- **Student Workflow (Frontend):** Complete student-facing pages including project list, project details view, and project ranking form.
- **Shared Project Info Page:** Single project information page reused by both sponsors (edit/view) and students (view-only).
- **Testing Infrastructure:** Create a reusable test data suite for local development and demos.

3. User Stories Targeted in Sprint 2

1. As a sponsor, I can create an account and log in so that I can manage my project submissions.
2. As a sponsor, I can submit a new project and edit its details so that students see accurate information.
3. As a student, I can log in and browse a list of available projects so that I can evaluate my options.
4. As a student, I can view detailed project information so that I can make informed ranking decisions.

5. As a student, I can submit and update my project rankings so that my preferences are recorded.
6. As the system, I can authenticate users via OAuth so that access can be controlled by role.

4. Non-Goals / Out of Scope for Sprint 2

- Final UA OAuth integration (production identity provider).
- Automated student-to-project matching algorithms.
- Admin-facing workflows (manual assignments, preference analytics).
- Production-ready email templates and bulk email campaigns.
- File uploads to permanent cloud storage (attachments limited to form fields/links if needed).

5. Acceptance Criteria / Definition of Done (DoD)

- Users can authenticate via the OAuth test container and are routed based on role.
- Sponsors can create accounts, log in, submit projects, and edit project details through the UI.
- Students can log in, view a project list, open a project detail page, and submit a ranking form.
- Project detail page is shared between sponsor and student contexts with appropriate permissions.
- Email client is configured and can successfully send test emails.
- Test data suite can seed the database with realistic sponsors, students, and projects for demos.
- All new functionality documented and demonstrated in a sprint review.

6. Deliverables

- OAuth test container integrated into Docker Compose.
- Sponsor and student workflow frontend pages implemented in Vue.
- Project submission, editing, viewing, and ranking flows wired to the existing REST API.
- Basic email client configuration and verification.
- Automated or scripted test data/fixtures for development and demos.
- Updated README with authentication and workflow instructions.

7. Risks & Assumptions

- OAuth behavior in test container may differ from final UA OAuth provider.
- Email service configuration may change depending on hosting environment.
- UI/UX complexity could expand as sponsor and student workflows diverge.
- Ranking validation rules may evolve based on sponsor feedback.