

### Feature 1: Admin Pages Access Verification

This test verifies that admin users can visually access all pages in the application, run on localhost. It uses Playwright's visual snapshot testing to capture screenshots of each page for visual verification. If pages render correctly, a message will be sent in the console that it has successfully accessed each page. The user acceptance testers will reflect project team managers.

#### Test Data:

- Test account: "admin@example.com", "password123"

#### Data/User Activity:

- Create a valid admin account
- Visit each public page
- Visit each authentication-required page

#### Acceptance Criteria:

- Admin can reach all pages visually
- Confirmed with visual browser display
- No access errors

#### Pages Verified:

- Public pages: /, /login, /register
- Authenticated pages: /teams, /boards, /leaderboard, /profile
- Admin-specific features: Teams link in navbar

#### Results:

- Pages were rendered successfully on localhost
- Browser displayed properly, and screenshots were successful
- No access or navigation errors

### Feature 2: Team Creation and Deletion

This test verifies that admin users can create and edit teams, run on localhost. The test should return a response verifying that all the tests have passed. The user acceptance testers will once again reflect project team managers.

#### Test Data:

- Test admin account: "generateTestEmail("team-admin");", "password123"

#### Data/User Activity:

- Create a valid admin account
- Visit "/teams" page
- Create a new team
- View newly created team
- Edit team details

- Delete the team

Acceptance Criteria:

- The admin can create a team successfully
- The new team shows up on the list
- Editing a team saves correctly
- The admin can delete the team successfully
- The new team is deleted from the list

Test Environment:

- Run on localhost
- Database has no initial team data

Results:

- Team creation, editing, and deletion works as expected
- No permission errors

Feature 3: Completing tasks by users

This test verifies that team members can successfully complete tasks and earn points. It should send a message to the console that the test has successfully passed. The user acceptance testers will reflect the team members within a team in the workplace.

Test Data:

- Test user account: "generateTestEmail("team-member");", "password123"

Data/User Activity:

- Create a valid team member account
- Visit "/tasks" page
- Complete a task by clicking on the task checkbox
- Be awarded points based on difficulty and priority

Acceptance Criteria:

- The user can log in successfully
- The "tasks" page renders correctly
- Tasks are visible on the page
- Task can successfully be tagged as "completed"
- Team member's points update correctly

Test Environment:

- Run on localhost
- Database seeded with task data and test user

Results:

- User is able to log in as team member successfully

- Teams page renders correctly
- Task is able to be completed
- Team member's points reflect correct amount before and after completing task