

Database Design in 3NF

teams(team_id, name, description, active?)

users(user_id, first_name, last_name, team_id, username, password, role, email, active?, *prof_photo*)

challenges(challenge_id, name, description, category, num_points)

submissions(submission_id, challenge_id, user_id, date_completed)

photos(photo_id, submission_id, caption)

Underlines:

Solid underlined fields are primary keys;

Dotted underlined fields are foreign keys;

Double underlined fields are composite keys that are both primary and foreign keys.

Italicized fields are fields that may potentially be added later.

Database Design Notes:

1. *prof_photo* is a potential field in users, can be added later but doesn't seem necessary.