

Science Olympiad Roster Tracker (SORT)

Saturday, June 3, 2017

10:50 AM

Entities

Administrator

- Name
- User name
- Password

Coach

- Name
- User name
- Cell Phone (used at tournament)
- Password
- School

Tournament

- Name
- Date
- Division
- Regional and state sub-classes

School

- Name
- Ninth grade is part of middle school (Boolean)

Regional Team and State Team

- Name (none if there is only one from school, or defaults to school name)
- Team Number
- School
- Division
- Tournament
- Paid flag (only on regional teams)
- Team ordering (only on regional teams, invisible to coaches)

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Student Entry

- School
- Team
- Student Name (legal first name, legal last name, nick name)
- Student Email
- Student grade
- Student gender identity
- Student ethnicity
- Number of years student has participated in SO
- Certify "I am my own legal guardian (is 18)" or "I am legal guardian" (3 states)
- Parent/Guardian Name (simple)
- Parent/Guardian Email
- Permission to participate
- Parent/Guardian pledge
- Student pledge
- Media release
- Date and time of entry

Functions

Note: Functionalities can change between regional and state time frames

Administrator

- Reinitialize for new year
- Dump and download data
- Wrist band export
- No media release wrist band export
- Examine and resolve duplicate entries
- Fix disowned students
- Assign team numbers
- Create/edit administrators
- Create/edit coaches
- Reset coach/administrator password
- Create/edit schools

- Create/edit tournaments
- Create/edit teams
- Export team rosters
- Team number, school name, team name report
- Team composition and compliance report(s)
- Demographics report(s)
- Coach and admin contact info report
- Lock/unlock and reset all passwords in case of compromise
- Export emails in form suitable for import into MailChimp?

Coach

- Edit team names
- Assign students to teams
- Mark student entry as duplicate, not-my-school, or improperly-completed
- Team composition and compliance indicators
- Editing own coach entry
- Export/print team rosters

Student

- Nothing, unless 18

Parent/Guardian/Self

- Submit permission form

Time Line and Milestones

Archive previous year's data and wipe slate clean (except accounts & schools)

- Human-readable Excel export on multiple sheets
- Machine-readable archive for restoring database

Registration opens (early Sept.)

- Process incoming Appendix A:
 - New school: Create coach account(s), school, and regional team(s)
 - Existing school: Fix coach account(s) and school, and create regional team(s)
- Each regional team (not school!) has not-paid/paid status

- Schools with only one regional team have no team name (use school name instead)
- Team names default to "No name - granite", "No name - quartz", etc.
- Coaches may edit their own team names
- Coaches may assign kids to their own teams, but only to paid teams (unpaid teams are visible with editable name, but not assignable)
- Coaches may change disposition of students from their own school, but only to the "ByCoach" values
- Admin may edit team ordinals and names
- Admins may assign kids to teams
- Admin may mark/unmark teams as paid
- Admin may add/delete teams
- Admin may change disposition of students (to any value, or only to "ByAdmin" values?)

Registration closes (third week of November)

- Changes nothing in this system

Payment due date (end of November)

- Changes nothing in this system

Regional choice opens (next day)

- Changes nothing in this system

Regional choice closes (a few days later)

- Admin assigns regional teams to tournaments
- Admin assigns regional team numbers

For each regional tournament:

Sometime before the regional tournament:

- Admin closes coaches' ability to change regional team names via tournament status attribute on the tournament
- VASO prints various things in preparation for the tournament

One day before regional at 5:00 PM (ish):

- Admin freezes the tournament via tournament status attribute on the tournament object
- This closes parent sign-up for schools in this regional: School needs to be early entry on form, and if parent chooses a school in a frozen tournament, then the form disables with explanatory

message

message

- This also renders coaches' accounts read-only (for printing of reports, etc.) w.r.t. this regional
- VASO prints wristbands and various other stuff

Re-open parent sign-up in early morning of regional

- Coincident(-ish) with first team check-in
- Coach's account remains read-only w.r.t. regionals
- Admin (Anita) may assign new student entries to teams as needed during registration -- requires Internet access at tournament

Regional ends

- Parent sign-up closes again for schools in this regional

Admin creates state teams for schools that advance

- Parent sign-up opens again for this school
- Coach's account remains read-only w.r.t. regional, but presence of state team indicates that appropriate functionality is re-enabled for states

For state tournament:

No need to prevent coaches from changing team names, since team names are always set to the schools' names

- VASO prints various things in preparation for the tournament

One day before the tournament at 5:00 PM (ish):

- Admin freezes the tournament via tournament status attribute on the tournament object
- This closes parent sign-up for schools in this tournament: School needs to be early entry on form, and if parent chooses a school in a frozen tournament, then the form disables with explanatory message
- This also renders coaches' accounts read-only (for printing of reports, etc.) w.r.t. this tournament
- VASO prints wristbands and various other stuff

Re-open parent sign-up in early morning of the tournament

- Coincident(-ish) with first team check-in
- Coach's account remains read-only w.r.t. states
- Admin (Anita) may assign new student entries to teams as needed during registration -- requires Internet access at tournament

State tournament ends

- State tournament objects enter frozen mode
- Because no team has a non-frozen tournament, system is in end-of-year dormant mode, with reporting functionality but essentially no other active functionality (coaches may change passwords, admins may do lots of stuff, but have no reason to)

Business Rules

- Once a student is declared a member of a team (regional or state, full member or alternate), they cannot be disposed (marked duplicate or whatever).
- A coach's account is 100% read-only (except for password changes) unless their school has a non-frozen team available.
 - Needs elaboration for time between regional and state
 - Needs elaboration for schools that belong to both divisions in cases where their regional tournaments are different (only true in future)
- When a school has only one team of a given type (regional or state), then the team has no name, and the software substitutes the school name wherever it needs a team name.

Existing Student Entry Form

https://docs.google.com/forms/d/e/1FAIpQLScGVyoUJlO-4JAs8sKhCw6oSbZisXO9JwyUynODKl-6znomQ/viewform?c=0&w=1&usp=mail_form_link

End