

Requirements

Group 6

Functional Requirements

Database Information:

Table of Facilities

- Information to be shown in the facility database:
 - Location- City, State, ZIP, etc.
 - Type of facility
 - Capacity/Size
 - Availability
 - Rental price, fees, deposits (at school's discretion, they set number)
 - Stripe Account Info

Table of Users

- Information to be shown in the User database:
 - Customer ID
 - Contact Information
 - Financial records
 - Stripe account
 - Background Information
 - Users need approval after registration
 - List of banned users
 - User registration- Add Row to User Table
 - DOE (Department of Ed), Non-DOE Organization, Independent User

Table of Events

- Information to be shown in the Event database:
 - Event ID
 - Facility Selected
 - Time of Event
 - Facility Renter/Client
 - Crowd Size of Event

Registering a new General User/Renter

- Approval of Client is required
 - New users will complete a form including basic personal information
 - New users must also comply to a background check before registration.
 - If denied, user added to Ban list

Registering a new School

- Only faculty of a DOE high school may register as a school, and may only register as the high school at which they are employed.
- School must be approved by DOE before it is officially registered

Registering a new Facility

- Only DOE-approved School users may register facilities
- Facility must be located at the campus of the registered school.

Registering a new Event

- Time and Date must be available to register Event.

Note: Each registration will be followed with a confirmation e-mail.

Requirement Change:

- State officials will be another extension of Registered User
 - State officials will be able to view a monthly facility usage statement and a summary of income per facility (list of transactions and total)

Non-Functional Requirements

User Roles

- Administrator
 - A user whose role is to moderate and maintain a safe and secure site
 - Can “step in” to enforce rules by removing users or schools if necessary
- Registered User
 - School
 - A user which represents a DOE-approved high-school
 - Requires official approval by DOE before registration
 - Only schools may manipulate and manage their own facilities
 - General User
 - A non-school individual or organization
 - Requires mandatory background check before registration

User Interface

- Event page for more info will be available for viewing for each event
- Events and allotted time blocks will be viewable through a calendar interface.
- Users should be able to create events using the site’s “Create Event” page
- Search feature should be implemented.

Security

- Payment system should be secure and streamlined
- List of banned users should be maintained and used for future applicants
- Licensing of all necessary materials and IP

Supportability

- Should be supported by all common-place browsers
- Should support Mobile platforms as well

Payment

- Payment forms should be embedded into site for easier payments by users.
- Payment should not require users to leave the website (or should require as little sidetracking as possible, such as logging in to a Paypal account to continue)

Social Media

- Links to Facebook/Twitter

Tagging feature should be included

- Featured events for certain locations should be shown to users
 - Events near user should be featured
- Sharing links should feature a link preview
- Users should be able to write comments using embedded Facebook features
- Should support mobile device use
- Rating system/feedback for events, schools, and facilities should be implemented

Reporting

- Facility usage as well as profits earned should be available without leaving the site.
- Only authorized state officials should have permission to view the data.
- The data should be available in an easily exportable format (such as PDF).