

# 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.

## 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).