## PUBLIC (left panel)

**create account**
new form

**all courses**
view

**user page**
view

**course details**
view

**update user**
pop form

**user course add**
new form

## Center flow

**WHAT'S ON**
public

**sign in**
form

**sign out**
form

**ADMIN**
private

## ADMIN (right panel)

**users.all**
view table

**courses.all**
view table

**rooms.all**
view table

**create user**
form

**create course**
new form

**create room**
new form

**update user**
pop form

**update course**
pop form

**update room**
pop form

**delete user**
pop-up confirm

**course room**
search select

**delete room**
pop-up confirm

**delete course**
pop-up confirm

**user to course**
select form

**room.courses**
view table

**user.courses**
view table

**course.users**
view table

## Student

- [ ] sign up
- [ ] sign in

**redirect to what's on page**

- [ ] see profile page
- [ ] update profile page
- [ ] see a list of all past and future courses she's registered for
- [ ] register for future courses
- [ ] cancel registration for future courses
- [ ] search for new courses
- [ ] see event page for any future event
- [ ] see event page for any past event she's attended
- [ ] sign out

## Instructor

**must sign in with details provided by GA**

- [ ] sign in

**redirect to what's on page**

- [ ] see profile page
- [ ] update profile page
- [ ] see a list of all past and future courses for which she is instructor
- [ ] see the page for any course for which she is instructor
- [ ] search for new courses
- [ ] see event page for any future event
- [ ] sign out

## Producer

**must sign in with details provided by GA**

- [ ] sign in

**new admin nav appears**

- [ ] see profile page
- [ ] update profile page
- [ ] see all past and future courses
- [ ] add course
- [ ] edit details for courses which she is the producer
- [ ] delete course for which she is the producer
- [ ] see all users
- [ ] add a user to a course for which she is producer
- [ ] remove a user from a course for which she is a producer
- [ ] see all rooms
- [ ] sign out

## Admin

- [ ] sign in

**new admin nav appears**

- [ ] see profile page
- [ ] update profile page
- [ ] see all past and future courses
- [ ] add, edit or remove any course
- [ ] create staff and instructor accounts
- [ ] see all users of all roles
- [ ] add, edit or remove any users
- [ ] see all rooms
- [ ] add, edit or remove any rooms
- [ ] sign out

## rooms

| | |
|---|---|
| t.string | :name |
| t.string | :max_occupancy |
| t.time | :first_avail_time |
| t.time | :last_avail_time |
| t.timestamps | |

### Room

has_many **:courses**

## courses

| | |
|---|---|
| t.string | :name |
| t.string | :category |
| t.text | :description |
| t.integer | :min_attendees |
| t.integer | :max_attendees |
| t.integer | :num_curr_enrolled |
| t.date | :start_date |
| t.date | :end_date |
| t.time | :start_time |
| t.time | :end_time |
| t.integer | :price |
| t.integer | :room_id |
| t.integer | :lead_instructor_id |
| t.integer | :producer_id |
| t.timestamps | |

### Course

has_and_belongs_to_many **:users**

belongs_to **:lead_instructor**,
    class_name: **'User'**

belongs_to **:producer**,
    class_name: **'User'**

belongs_to **:room**

## courses_users
join table

| | |
|---|---|
| t.integer | :course_id |
| t.integer | :user_id |

## users

| | |
|---|---|
| t.string | :first_name |
| t.string | :last_name |
| t.string | :role |
| t.string | :email |
| t.string | :title |
| t.text | :bio |
| t.string | :password_digest |
| t.timestamps | |

### User

has_and_belongs_to_many **:courses**

has_many **:led_courses**,
    class_name: **'Course'**,
    foreign_key: **:lead_instructor_id**

has_many :**produced_courses**,
    class_name: **'Course'**,
    foreign_key: **:producer_id**