htchr

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Note: Iterative designs / user studies can be found in the `/docs` folder

Required Features

1. Javascript
   - public/javascripts/htchr.js for the frontend
   - app.js, routes/*, db/models.js for serverside

2. DOM Manipulation
   - Populating news feed
   - Viewing events
   - Autocomplete
   - htchr.js Lines 170-260

3. jQuery
4. jQuery Mobile
   - Front end minus landing page

5. AJAX : Consume API
   - Google Maps/Places for geolocation
   - Facebook - hook into user profile, find friends, etc.
   - Twilio - send notifications about events

6. AJAX : Provide API

- app.js has RESTful routes hidden behind facebook auth.

7. node.js
    - Used express throughout, taking advantage of things like express sessions, static directory mappings, and server-side view rendering

8. Server-side DB
    - MongoDB
    - Mongoose
    - db/*; querying in myUtil.js, routes/*

9. EJS templates
    - See views/*
    - ~ lines 30, 190, 230, 250
    - Also some client-side underscore templating going on

10. PhoneGap

General Description of Features

1. Event Feed
    - Provide a chronological overview of events as they are created/happening
    - Updated on the fly

2. View Event
    - Separate page exists for each event
    - Default image for the event is set to the Google Places image associated with the event's location

3. Facebook-Integrated
    - Login with Facebook (Passport)
    - Creates corresponding events on Facebook for each event made in htchr
    - Events viewable by default only to Facebook Friends

4. Event Search
   - Attempt to find a similar event within the user's friendbase
   - Attempts to find nearby events if an exact match isn't found.
   - Uses event name by default, but optionally include time/date range(s)

5. Create Event
   - Alternatively, create an event if one cannot be found
   - Control privacy of your event and who to initially invite

6. Autocomplete
   - Autocompletes places using Google Places API, biased by proximity of place to user's physical location
   - Autocomplete friends names when inviting users to events

7. Notifications
   - Allow users to give us their phone numbers and be notified of event invites and upcoming events

8. Event Recommendation
   - Recommendation system attempts to pair up users and events
   - Events are recommended to users in the event feed
   - Upon event creation, htchr suggests friends to invite