Neil Nguyen- project TheCampDB

---------------

TECHNOLOGY

\* user profile page (1-name, 2-avatar or template photo, 3-content created by user)

\* admin account creatiion using secretCode checking when creating account, admin privilege

\* creation time using moment js

\* google maps API (maps js API + geocoder API)

\* css advance (background slider, ultimate footer)

\* flash message (connect-flash) using express-session, flash message for authentication

\* authorization using middleware, hiding buttons, refactor middleware

\* authentication using express-session, passportjs, passport-local, passport-local-mongoose (register, login, logout)

\* mongoose (schema, connect mongodb, refactor, seed file seeds.js), data associations(change schema, req.user, save author’s name to a campground, comment automactically)

\* RESTful routes (INDEX, NEW, CREATE, SHOW, EDIT, UPDATE, DESTROY)

\* nodejs, expressjs routes (sub-route /campgrounds/comments), expressjs template ejs, expressjs partials template (header.ejs, footer.ejs), expressjs refactor routes

\* html, css (bootstrap)

---------------

DEVELOPMENT

\* user profile page (1-name, 2-avatar or template photo, 3-content created by user) (v18)

\* admin account creatiion using secretCode checking when creating account, admin privilege (v17)

\* creation time using moment js (v16)

\* google maps API (maps js API + geocoder API) (v15)

\* style login/register using bootstrap, flash message for login authentication (v14)

\* css ultimate footer, add db camprgound price property (v13)

\* css background slider (v12)

\* refactor middleware, flash message (connect-flash) (v11)

\* campgrounds and comment RESTful routes (EDIT, UPDATE, DESTROY), authorization using middleware, hiding buttons (v10)

\* data associations between users and campgrounds (change schema, req.user, save author’s name to a campgroundautomactically) (v9)

\* data associations between users and comments (change schema, req.user, save author’s name to a comment automactically) (v8)

\* refactor routes (comments, camgrounds, user) (v7)

\* user schema, user RESTful routes (NEW, CREATE), passpord (register, login, logout) (v6)

\* style with bootstrap (v5)

\* comment RESTful NESTED routes (NEW, CREATE), expressjs partials template (header.ejs, footer.ejs) (v4)

\* refactor db (mongoose), seed file seeds.js, comment schema (v3)

\* campground RESTful routes(NEW, CREATE, SHOW), mongoose (schema, connect mongodb) (v2)

\* bootstrap, nodejs, expressjs routes, ejs, RESTful INDEX (v1)

---------------------------------------------

version 18

- branch: master (merge from v18userProfile)

- new development: add user profile page. Each profile page has 1-name, 2-avatar or template photo, 3-campgrounds created by user

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

User profile

- add avatar, first name, last name, email to /models/campground.js

- modify register form to have the new attributes in /views/profile/register.ejs

- modify the route NEW/CREATE user in /routes/userRoutes.js

- create new route router.get(/users/:id)…/views/profile/route\_show.ejs

- modify to add <a> to user in /views/campgrounds/route\_show.ejs and the header too

---------------------------------------------

version 17

- branch: master (merge from v17admin)

- new development: admin account creatiion using secretCode checking when creating account, admin privilege

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

Add admin privilege and functions to admin Add admin privilege

- Modify db to add admin property {isAdmin: {type: Boolean, default: false} }

- Modify creation form to add admin secret code {/views/profile/route\_register.ejs}

- Modify route file to process the new input {routes/userRoutes.ejs}

Make edit/delete campground activated for admin

- Modify to activate button in view {/views/campgrounds/route\_show.ejs }

- Modify middleware so admin can access the edit/update/delete routes

Make edit/delete comment activated for admin

- similar to above

---------------------------------------------

version 16

- branch: master (merge from v16createTime)

- new development: creation time for campground/ comment using moment js

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

Show creation time

- Install package moment

- include package in app.js (above passport config code)

- Update Campground and Comment Models {add createdAt}

- Use Moment in Your show.ejs File {for campground, and comment}

---------------------------------------------

version 15

- branch: master (merge from v15googleApi)

- new development: Maps js API + Geocoder API

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

Resources

- https://www.youtube.com/watch?v=B4OuCjQLJ9k

- https://webdev.slides.com/nax3t/yelpcamp-refactor-google-maps#/

- https://github.com/nax3t/google-maps-api

- (official) https://developers.google.com/maps/documentation/

Setup Geocoder API + Add the secretKey to env

- Create a new project

- Enable Geocoder API

- Get key for Geocoding API {key2Secret no restrictions}

- install package dotenv. Add the GEOCODER\_API\_KEY=<key2Secret> to .env file

- protect the key2Secret from github by updating .gitignore file

- Add to application as ENV variable {GEOCODER\_API\_KEY=<key2Secret>}

- set env for heroku {heroku config:set GEOCODER\_API\_KEY=<key2Secret>}

Use Geocoder API (get coordinate from location)

- install package node-geocoder. include the mandatory package include to code /routes/campgrounds.js

- Modify campground model {add location:String, lat:Number, and lng:Number}

- Modify new and edit forms, add location input field {/views/campgrounds/route\_new.ejs and route\_edit.ejs}

- Update campground routes. modify campground create route (post), update route (put route) to get the coordinate data

Setup Maps js API

- Select the same project

- Enable Maps js API

- Get Maps js API Key {like credentials, key1Public}

- Restrict Google Maps API Key {can add both local and heroku to key1}

- Add Google Maps scripts to your application {/views/campgrounds/route\_show.ejs, edit to use key1Public}

Use Maps js API (show map on website)

- Display the campground location in show.ejs {add div for map in route\_show.ejs, modify css /public/stylesheets/main.css}

Remove localhost from restriction.

- Avoid people to take advantage of the public API key embedded in route\_show.ejs

- Remove localhost from restriction in GCP Credentials page

---------------------------------------------

version 14

- branch: master (merge from v14uiImprovement)

- new development: flash message for authentication

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

Resources

- http://slides.com/nax3t/yelpcamp-refactor-ui

UI Improvements

- template for all website with <div class="container"></div> in header and footer. Remove all container from all other files in views folders

- apply bootstrap to style login and register page

- add active class for login/register using ejs

- add flash message for login authentication using http://www.passportjs.org/docs/authenticate/

---------------------------------------------

version 13

- branch: master (merge from v13campgroundPrice)

- new development: css footer and db camprgound price property

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

Resources

- https://github.com/nax3t/dynamic-price

- https://webdev.slides.com/nax3t/yelpcamp-refactor-pricing#/

Add price to campground model

- Add price to campground model as a String datatype

- Add price to views/campgrounds/new.ejs and views/campgrounds/edit.ejs (new and edit forms)

- Add price to views/camprounds/show.ejs (campground show page)

---------------------------------------------

version 12

- branch: master (merge from v12backgroundSlider)

- new development: css background slider from Ian

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

Resources

- https://github.com/nax3t/background-slider

- https://github.com/nnguyen-uark/yelpcamp-backgroundSlider

Refactor landing page

- Add background slide

- nn add icon and navbar brand for index, landing pages

---------------------------------------------

version 11

- branch: master (merge from v11flaskUi)

- new development: refactor middleware to seperate file, flash messages feature

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

Refactoring Middleware

- /middleware/index.js

Flash Message: Adding Bootstrap Adding in Flash

- demo working version

- install and configure connect-flash

- add bootstrap alerts to header {/views/partials/header.ejs}

---------------------------------------------

version 10

- branch: master (merge from v10updateDestroy)

- new development: RESTful routes (edit, update, destroy) for nested route comments

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

Campground Edit and Update. Editing Campgrounds

- add method-override {install package}

- add edit route for campgrounds {app.get(‘/campgrounds/:id/edit’)… /views/campgrounds/route\_edit.ejs…build route\_edit.ejs }

- add update route {app.put(‘/campgrounds/:id’) }

- add link to edit page {/views/campgrounds/route\_show.ejs }

- fix $set problem

Campground Destroy. Deleting Campgrounds

- add destroy route {app.delete(‘/campgrounds/:id’) }

- add delete button {/views/campgrounds/route\_show.ejs }

- notice that we need to delete comments associated with the deleted campground link

Campground Authorization Part 1. Authorization Pt 1: Campgrounds

- user can only edit his/her campgrounds {

+ idea is to use both grounds 1.middleware for the route 2.hide buttons

+ modify /routes/campgroundRoutes.js routes app.get(/edit) first

+ build middleware function checkCampgroundOwner for both edit and delete }

- user can only delete his/her campgrounds

Campground Authorization Part 2. Authorization Pt 1b: Campgrounds

- hide/show edit and delete buttons {modify show views/campgrounds/route\_show.ejs }

Comment Edit and Update. Editting Comments

- add edit route for comments {

+ define edit route app.get(/campgrounds/:id/comments/:comment\_id/edit }

- add edit button {

+ /views/campgrounds/route\_show.ejs

+ new file /views/comments/route\_edit.ejs, then build it }

- add update route {

+ define update route app.put(/campgrounds/:id/comments/:comment\_id, then build it }

Comment Destroy. Deleteing Comments

- add destroy route {define route app.delete(/campgrounds/:id/comments/:comment\_id) }

- add delete button {modify /views/campgrounds/route\_show.ejs }

- notice that we need to delete in comments array within the campground link

Comment Authorization. Authorization Part 2: Comments

- user can only edit his/her comments {checkCommentOwnership in commentRoutes.js}

- user can only delete his/her comments

- hide/show edit and delete buttons {modify /campgrounds/comments/route\_show.ejs }

---------------------------------------------

version 9

- branch: master (merge from v9campgroundUser)

- new development: data associations (save author’s name to campgrounds automactically)

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

YelpCamp: User Associations: Campground. User + Campgrounds

- prevent an unauthenticated user from creating a campground {add middleware to routes/campgroundsRoutes.js}

- save username & id to newly created campground {

+ comment out campground section in seeds.js

+ modify campgroundSchema- add author with id-referring data and username

+ modify routes/campgroundRoutes.js to add author

+ modify views/campgrounds/route\_show.ejs to show author name }

---------------------------------------------

version 8

- branch: master (merge from v8commentUser)

- new development: data associations (save author’s name to a comment automactically)

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

YelpCamp: User Associations: Comment. Users + Comments

- associate users and comments {

+ change commentSchema…author has id- Referencing data and username

+ change comment route router.post(/)

+ remove author field from the form /views/comments/new.ejs}

- save author’s name to a comment automactically

YelpCamp: User Associations: Comment Users + Comments

- associate users and comments {

+ comment out comment section in seeds.js

+ modify commentSchema…author has id- Referencing data and username

+ modify routes/commentRoutes.js router.post(/)

+ modify comment display in /views/campgrounds/route\_show.ejs

+ remove author field from the form /views/comments/new.ejs}

- save author’s name to a comment automactically

---------------------------------------------

version 7

- branch: master (merge from v7refactorRoutes)

- new development: refactor routes

- 4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

YelpCamp: Refactoring Routes Refactor the routes

- use pexress router to reorganize all routes {/routes/index.js…campgrounds.js…comments.js, pass params in comments.js}

---------------------------------------------

version 6

branch: v6auth

new development: auth (express-session, passportjs, passport-local, passport-local-mongoose)

4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

YelpCamp: Adding Auth Pt 1 Add User Model

- install all packages needed for auth {sess, passport, passport-local, passport-local-mognoose, include in app.js}

- define user model {models/user.js has username-password, add passport-local-mongoose }

YelpCamp: Adding Auth Pt 2 Register

- configure passport

- add register routes {app.get(/register)…app.post(/register) }

- add register template {register.ejs, build form }

YelpCamp: Adding Auth Pt 3 Login

- add login routes {app.get(/login)…app.post(/login) }

- add login template {app.post(/login), build form }

YelpCamp: Adding Auth Pt 4 Logout/ Navbar

- add logout route {app.get(/logout) }

- add links to navbar {for login, sign up, logout }

- prevent user from adding a comment if not signed in {build middleware function, protect 2 routes for comments}

YelpCamp: Adding Auth Pt 5 Show/ Hide Links

- show/hide auth links in navbar correctly

---------------------------------------------

version 5

branch: master (merge from v5styleShowPage)

new development: custom css file

---------------

YelpCamp: Styling Comments Pt1. Style Show Page

- add sidebar to show page {bootstrap grid 3-9, comment well}

- display comments nicely

- customize photo

YelpCamp: Styling Comments Pt2

- include stylesheet css file {:mainProject/public/stylesheets/main.css…app.js…header.js}

- in show page, image padding and width

---------------------------------------------

version 4

branch: master (merge from v4comments)

new development: nested routes

4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

YelpCamp: Creating Comments Pt1 Comment New/Create. Start of v4

- discuss nested routes

NEW /campgrounds/:id/comments/new GET

CREATE /campgrounds/:id/comments POST

- add the comment new routes {

\* Have 2 folders now views/campgrounds and comments. Change files location

\* Update app.js render, header/footer for route files

\* build new route app.get(/campgrounds/:id/commentes/new…comments/new.ejs}

- add the new comment form (update form action, method)

YelpCamp: Creating Comments Pt2

- add the Create route {lookup campground using id, create new comment, connect comment to campground, redirect campgrounds show page, app.post(/campgrounds/:id/comments), build button connection}

---------------------------------------------

version 3

branch: master (merge from v3seeds)

new development: mongoose exports, mongoose seeds

4 terminals: mongod, nodemon, mongo for debug database, and 1 free terminal

---------------

YelpCamp: Refactoring App.js

- create a models directory {:mainProject/models/campgrounds.js}

- use module.exports

- require everything correctly!

YelpCamp: Seeding the Database. Add Seeds File

- add a seeds.js files {seeds.js}

- run the seeds file every time the server starts {remove all camps- remove all comments- hardcode add camps- add comments, Referencing data }

YelpCamp: Comment Model. Add the Comment model

- make our errors go away! {make Comment model comment.js with text-author, add comment property to campground db, Referencing data }

- display comments on campground show page {update app.get(/campgrounds/:id) to populate the comments, Referencing data }

---------------------------------------------

version 2

branch: master (merge from v2mongoose)

new development: mongoose, RESTful

---------------

YelpCamp: Adding Mongoose

- install and configure mongoose {localhost/yelp\_camp}

- setup campground model {schema, model}

- use campground model inside of our routes {app.get(‘/campgrounds), app.post(‘/campgrounds) }

YelpCamp: Campground Show Page

- add mongoose db to yelpcamp

- define the RESTful api {

1. INDEX /index GET

2. NEW /camgrounds/new GET

3. CREATE /camgrounds POST

4. SHOW /campgrounds/:id GET

}

- add description to our campground model {campgroundSchema, recreate collection}

- add a show route/template {app.get(/camgrounds/:id)…rename to campgrounds.ejs, button on index.ejs, build campgrounds.ejs, update new.ejs}

---------------------------------------------

version 1

branch: master

development: bootstrap, nodejs, expressjs

---------------

YelpCamp: Initial Routes

- add landing page {app.get(‘/’), … landing.ejs}

- add campgrounds page that lists all campgrounds {app.get(‘/campgrounds), …campgrounds.ejs}

YelpCamp: Layout

- create our header and footer partials

- add in bootstrap

YelpCamp: Creating Campgrounds

- setup new campground POST route {app.post(‘/campgrounds), …campgrounds.ejs, app.get(/campgrounds/new)…new.ejs}

- add in body-parser

- setup route to show form

- add basic unstyled form

YelpCamp: Styling Campgrounds

- add a better header/title {campgrounds.ejs, jumpbotron}

- make campgrounds display in a grid

YelpCamp: Styling Nav and Forms

- add a navbar to all templates