

Pratours Project



For The Adventure Lovers

The Pratours Is A Project Made In Node JavaScript Using Express, MongoDB Connection With Mongoose, Mailing Services Made By Nodemailer Using Sendgrid, Stripe For Payment, Mapbox For Map Integration And Many Other Functionalities.

Project Snapshots

Pratours Tour Overview

The screenshot displays a grid of six tour cards, each representing a different adventure type:

- THE SEA EXPLORER**: MEDIUM 7-DAY TOUR. Exploring the jaw-dropping US east coast by foot and by boat. Miami, USA. June 2021. 4 stops. 15 people. \$497 per person. 4.8 rating (6). [DETAILS](#)
- THE FOREST HIKER**: EASY 5-DAY TOUR. Breathtaking hike through the Canadian Banff National Park. Banff, CAN. April 2021. 3 stops. 25 people. \$397 per person. 5 rating (9). [DETAILS](#)
- THE SNOW ADVENTURER**: DIFFICULT 4-DAY TOUR. Exciting adventure in the snow with snowboarding and skiing. Aspen, USA. January 2022. 2 stops. 10 people. \$997 per person. 4.5 rating (6). [DETAILS](#)
- THE PARK CAMPER**: MEDIUM 10-DAY TOUR. Breathing in Nature in America's most spectacular National Parks. Las Vegas, USA. August 2021. 4 stops. 15 people. \$1497 per person. 4.7 rating (7). [DETAILS](#)
- THE STAR GAZER**: MEDIUM 9-DAY TOUR. The most remote and stunningly beautiful places for seeing the night sky. Utah, USA. March 2021. 3 stops. 8 people. \$2997 per person. 4.8 rating (6). [DETAILS](#)
- THE NORTHERN LIGHTS**: EASY 3-DAY TOUR. Enjoy the Northern Lights in one of the best places in the world. Yellowknife, CAN. December 2021. 1 stops. 12 people. \$1497 per person. 4.7 rating (7). [DETAILS](#)

The screenshot displays the PRATOURS website's tour selection page. It features three main tour packages, each with a green header and a corresponding background image:

- THE WINE TASTER**: Shows a group of people at a wine tasting. Details: EASY 5-DAY TOUR, California, USA, February 2021, 3 stops, 8 people, \$1997 per person, 4.4 rating (7). Includes a "DETAILS" button.
- THE CITY WANDERER**: Shows a city skyline. Details: EASY 9-DAY TOUR, NYC, USA, March 2021, 3 stops, 20 people, \$1197 per person, 4.6 rating (5). Includes a "DETAILS" button.
- THE SPORTS LOVER**: Shows a person surfing. Details: DIFFICULT 14-DAY TOUR, California, USA, July 2021, 5 stops, 8 people, \$2997 per person, 3.9 rating (7). Includes a "DETAILS" button.

At the bottom left is the PRATOURS logo, and at the bottom right are links to About Us, Download Apps, Become A Guide, Careers, Contact, and a copyright notice: © Made With ❤ Praabindh Pradeep.

What Is MERN - PRATOURS?

The Pratours is an impressive project built using Node.js and Express, a powerful JavaScript framework. It seamlessly integrates with MongoDB through the robust Mongoose library, providing efficient database connectivity and management. To enhance communication and engagement, the project incorporates mailing services powered by Nodemailer, utilizing SendGrid for reliable email delivery.

- Built using the MERN stack (MongoDB, Express.js, React.js, Node.js) for a full-stack web application.
- User authentication and authorization with features like signup, login, and password reset.
- Integration with MongoDB database using Mongoose for efficient data storage and retrieval.
- Seamless front-end development with React.js, providing a responsive and interactive user interface.
- User-friendly tour booking system with options to search, filter, and book tours based on preferences.
- Integration of Stripe payment gateway for secure and convenient online payments.
- Map integration using Mapbox to display interactive maps and provide location-based information.
- Email notifications and communication using Nodemailer and SendGrid for reliable mailing services.
- Advanced functionalities like user reviews and ratings for tours, allowing users to share their experiences.
- Comprehensive admin panel for managing tours, users, bookings, and other site content.
- Advanced search functionality to easily find desired tours based on location, date, price, etc.
- Implementation of features like pagination and sorting to enhance usability and performance.
- Error handling and validation mechanisms to ensure data integrity and a smooth user experience.
- Integration of various third-party APIs and libraries to enhance functionality and provide a seamless user experience.

These features collectively make the MERN Pratours project a comprehensive and feature-rich application for booking and managing tours, providing an enjoyable experience for both users and administrators.

Pratours All Tours

ALL TOURS



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THE SEA EXPLORER

MEDIUM 7-DAY TOUR

Exploring the jaw-dropping US east coast by foot and by boat

 Miami, USA  June 2021

 4 stops  15 people

\$497 per person 

4.8 rating (6)

THE FOREST HIKER

EASY 5-DAY TOUR

Breathtaking hike through the Canadian Banff National Park

 Banff, CAN  April 2021

 3 stops  25 people

\$397 per person 

5 rating (9)

THE SNOW ADVENTURER

DIFFICULT 4-DAY TOUR

Exciting adventure in the snow with snowboarding and skiing

 Aspen, USA  January 2022

 2 stops  10 people

\$997 per person 

4.5 rating (6)

THE WINE TASTER

EASY 5-DAY TOUR

Exquisite wines, scenic views, exclusive barrel tastings, and much more

 California, USA  February 2021

 3 stops  8 people

\$1997 per person 

4.4 rating (7)

THE CITY WANDERER

EASY 9-DAY TOUR

Living the life of Wanderlust in the US' most beautiful cities

 NYC, USA  March 2021

 3 stops  20 people

\$1197 per person 

4.6 rating (5)

THE SPORTS LOVER

DIFFICULT 14-DAY TOUR

Surfing, skating, parajumping, rock climbing and more, all in one tour

 California, USA  July 2021

 5 stops  8 people

\$2997 per person 

3.9 rating (7)

 PRATOURS

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Pratours Park Camper Tour Page

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THE PARK CAMPER TOUR

3 / 25

CAMPER TOUR

⌚ 10 DAYS ⚽ LAS VEGAS, USA

QUICK FACTS

- 📅 NEXT DATE August 2021
- ↗️ DIFFICULTY Medium
- 👤 PARTICIPANTS 15 People
- ⭐ RATING 4.7 / 5

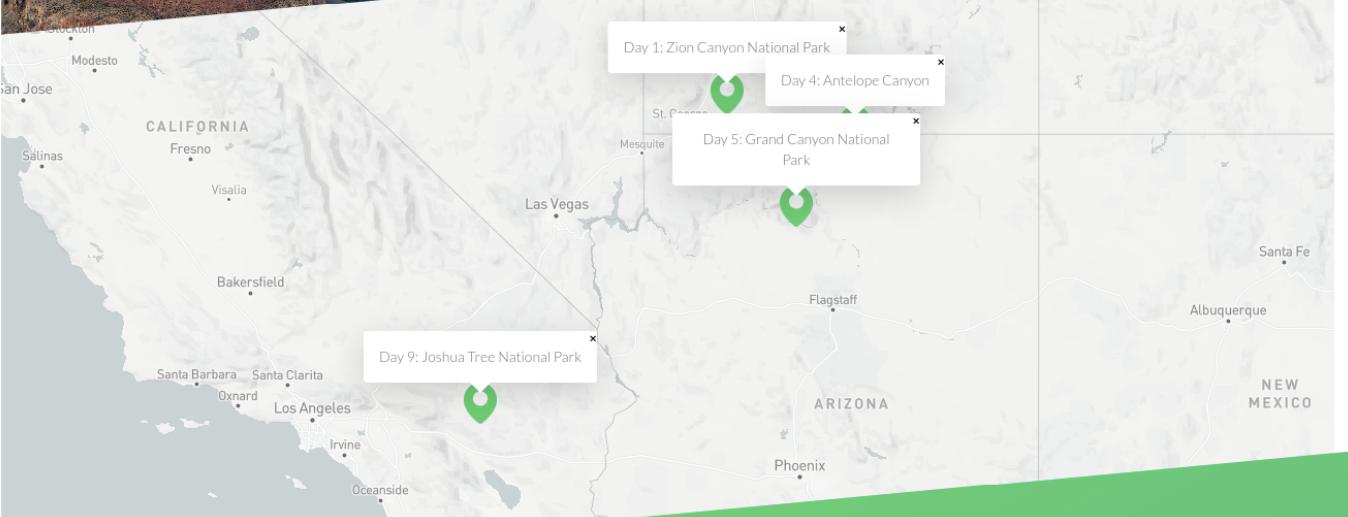
YOUR TOUR GUIDES

-  LEAD GUIDE Aarav Lynn
-  TOUR GUIDE Ben Hadley
-  TOUR GUIDE Kate Morrison

ABOUT THE PARK CAMPER TOUR

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum!



Map credits: ©mapbox

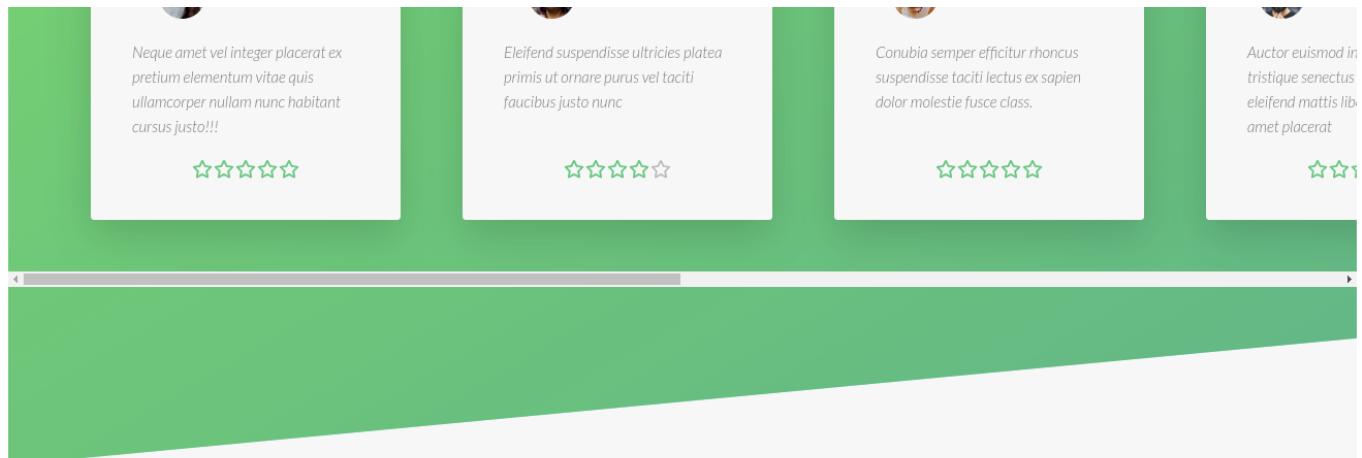
 AYLA CORNELL

 LAURA WILSON

 ISABEL KIRKLAND

 ALEX

4 / 25





WHAT ARE YOU WAITING FOR?

10 days. 1 adventure. Infinite memories. Make it yours today!

[BOOK TOUR NOW!](#)



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Pratours Sports Lover Tour Page

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THE SPORTS LOVER TOUR

⌚ 14 DAYS ⚽ CALIFORNIA, USA



QUICK FACTS

 [NEXT DATE](#) July 2021

ABOUT THE SPORTS LOVER TOUR

Nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore

 DIFFICULTY Difficult

 PARTICIPANTS 8 People

 RATING 3.9 / 5

YOUR TOUR GUIDES

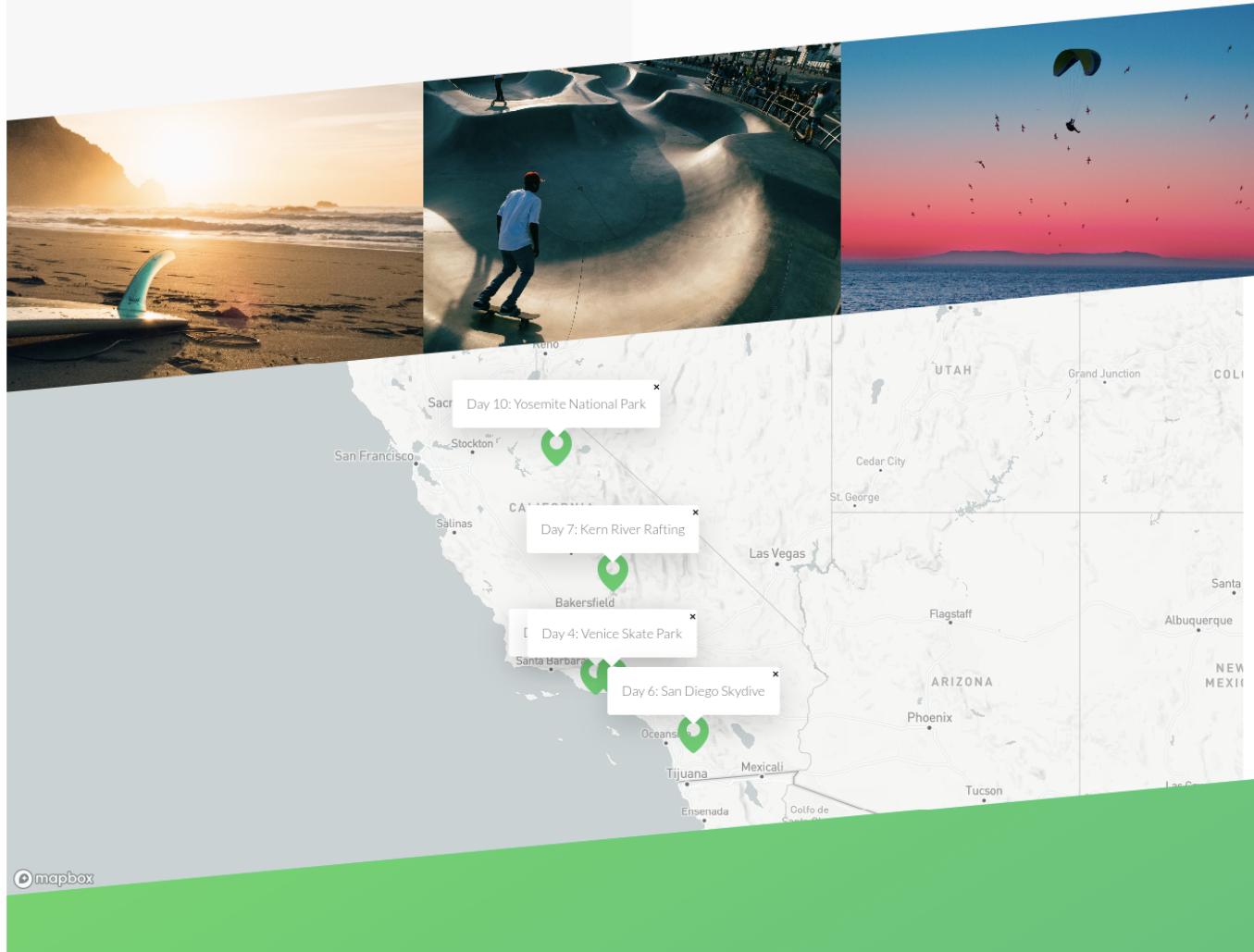
 LEAD GUIDE Aarav Lynn

 TOUR GUIDE Leo Gillespie

 TOUR GUIDE Jennifer Hardy

Voluptate velit esse cillum dolore eu fugiat nulla pariatur. Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur!



CRISTIAN VEGA

Elementum massa porttitor enim
vitae eu ligula vivamus amet
imperdiet urna tristique donec mattis
mus erat.



LAURA WILSON

Malesuada consequat congue vel
gravida eros conubia in sapien
praesent diam!



MAX SMITH

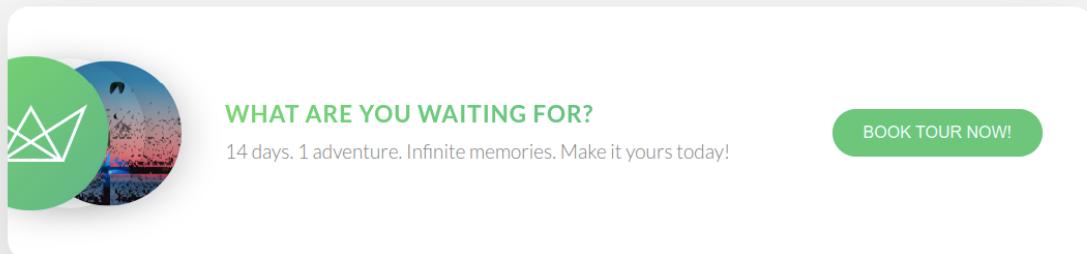
Ridiculus facilisis sem id aenean
amet penatibus gravida phasellus a
mus dui lacinia accumsan!!



ISAE

Conubia pharetra
class congue cural




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LOG INTO YOUR ACCOUNT

Email address

Password

LOGIN

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Pratours User Account

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THE SEA

THE FOREST

THE SNOW

7 / 25

THE SEA EXPLORER

MEDIUM 7-DAY TOUR
Exploring the jaw-dropping US east coast by foot and by boat

Miami, USA June 2021
 4 stops 15 people

\$497 per person 4.8 rating (6) [DETAILS](#)

THE FOREST HIKER

EASY 5-DAY TOUR
Breathtaking hike through the Canadian Banff National Park

Banff, CAN April 2021
 3 stops 25 people

\$397 per person 5 rating (9) [DETAILS](#)

THE SNOW ADVENTURER

DIFFICULT 4-DAY TOUR
Exciting adventure in the snow with snowboarding and skiing

Aspen, USA January 2022
 2 stops 10 people

\$997 per person 4.5 rating (6) [DETAILS](#)

THE PARK CAMPER

MEDIUM 10-DAY TOUR
Breathing in Nature in America's most spectacular National Parks

Las Vegas, USA August 2021
 4 stops 15 people

\$1497 per person 4.7 rating (7) [DETAILS](#)

THE STAR GAZER

MEDIUM 9-DAY TOUR
The most remote and stunningly beautiful places for seeing the night sky

Utah, USA March 2021
 3 stops 8 people

\$2997 per person 4.8 rating (6) [DETAILS](#)

THE NORTHERN LIGHTS

EASY 3-DAY TOUR
Enjoy the Northern Lights in one of the best places in the world

Yellowknife, CAN December 2021
 1 stops 12 people

\$1497 per person 4.7 rating (7) [DETAILS](#)

THE WINE TASTER

EASY 5-DAY TOUR
Exquisite wines, scenic views, exclusive barrel tastings, and much more

California, USA February 2021
 3 stops 8 people

\$1997 per person 4.4 rating (7) [DETAILS](#)

THE CITY WANDERER

EASY 9-DAY TOUR
Living the life of Wanderlust in the US' most beautiful cities

NYC, USA March 2021
 3 stops 20 people

\$1197 per person 4.6 rating (5) [DETAILS](#)

THE SPORTS LOVER

DIFFICULT 14-DAY TOUR
Surfing, skating, parajumping, rock climbing and more, all in one tour

California, USA July 2021
 5 stops 8 people

\$2997 per person 3.9 rating (7) [DETAILS](#)

ALL TOURS



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 SETTINGS

 MY BOOKINGS

 MY REVIEWS

 BILLING

ADMIN

 MANAGE TOURS

 MANAGE USERS

 MANAGE REVIEWS

 MANAGE BOOKINGS

YOUR ACCOUNT SETTINGS

Name

Praabindh Pradeep

Email address

admin@pratours.io

 Choose new photo

SAVE SETTINGS

PASSWORD CHANGE

Current password

New password

Confirm password

SAVE PASSWORD

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Pratours Admin Account

Google Chrome Fri Feb 24 12:03:43 Pratours | Your account 127.0.0.1:3000/me LOG OUT PRAABINDH

ALL TOURS 

SETTINGS
MY BOOKINGS
MY REVIEWS
BILLING

ADMIN

MANAGE TOURS
MANAGE USERS
MANAGE REVIEWS

YOUR ACCOUNT SETTINGS

Name Praabindh Pradeep

Email address admin@pratours.io

 Choose new photo

SAVE SETTINGS

Google Chrome Fri Feb 24 12:04:55 Pratours | Your account 127.0.0.1:3000/me

ADMIN

MANAGE TOURS
MANAGE USERS
MANAGE REVIEWS
MANAGE BOOKINGS

admin@pratours.io

 Choose new photo

SAVE SETTINGS

PASSWORD CHANGE

Current password

New password

Confirm password

The screenshot shows a password change form on a website. At the top, it says "Pratours | Your account". The form has three input fields: "Current password" (with placeholder "*****"), "New password" (with placeholder "*****"), and "Confirm password" (with placeholder "*****"). Below the fields is a green "SAVE PASSWORD" button. The background features a large green rectangular area on the left and a light gray area on the right.

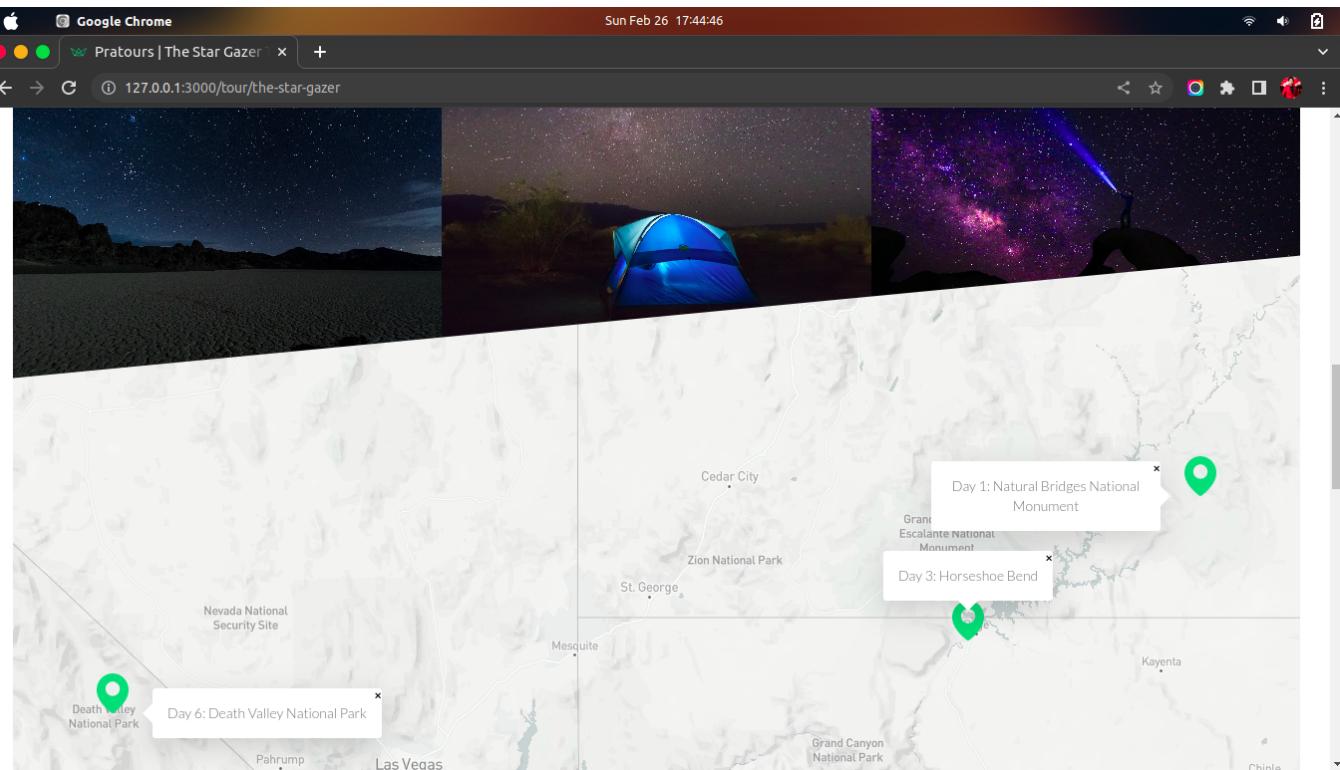
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Pratours Tour Description

The screenshot shows a tour description page for "The Park Camper". The title "The Park Camper" is at the top. Below it, there are two main sections: "QUICK FACTS" on the left and "ABOUT THE PARK CAMPER TOUR" on the right. The "QUICK FACTS" section includes: "NEXT DATE" (August 2021), "DIFFICULTY" (Medium), "PARTICIPANTS" (15 People), and "RATING" (4.7 / 5). The "ABOUT THE PARK CAMPER TOUR" section contains a paragraph of placeholder text (Lorem ipsum...) and another paragraph describing the tour's purpose. At the bottom, there are three "TOUR GUIDE" entries with small profile pictures: "LEAD GUIDE" (Aarav Lynn), "TOUR GUIDE" (Ben Hadley), and "TOUR GUIDE" (Kate Morrison). The background features a landscape image of a desert or canyon.

Pratours Dynamic Maps



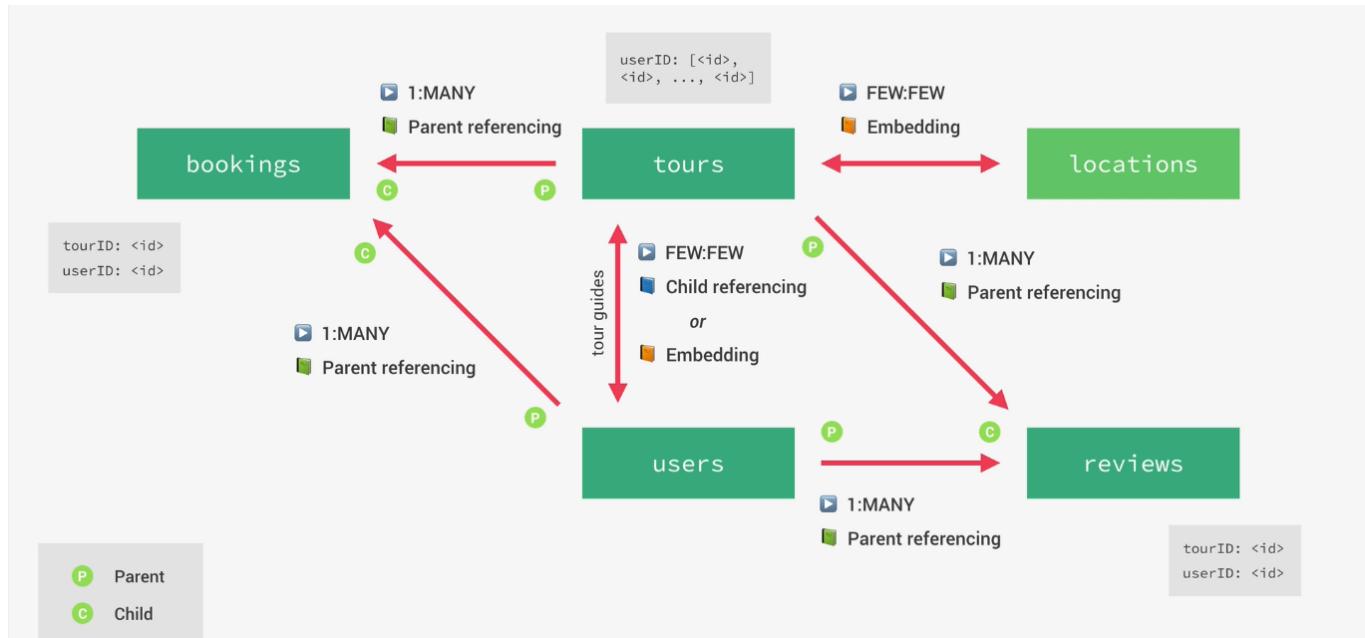
Pratours Dynamic Reviews

A screenshot of a dynamic reviews section. At the top, there is a map of the same region as the previous screenshot, with a green pin marking "Day 6: Death Valley National Park". Below the map, there is a large green rectangular area containing four user reviews, each in its own white box. From left to right:

- SOPHIE LOUISE HART** (profile picture of a woman): *Senectus lectus eleifend ex lobortis
cras nam cursus accumsan tellus
lacus faucibus himenaeos posure!* ★★★★★
- ELIANA STOUT** (profile picture of a woman): *Felis mauris aenean eu lectus fringilla
habitasse nullam eros senectus ante
etiam!* ★★★★★
- CRISTIAN VEGA** (profile picture of a man): *Rutrum viverra turpis nunc ultricies
dolor ornare metus habitant ex quis
sociosqu nascetur pellentesque
quam!* ★★★★★
- (Profile picture of a person): *Curabitur maxi
vestibulum null
himenaeos nun
uma.* ★★

The entire reviews section is set against a solid green background.

Pratours Data Model



Pratours MongoDB Compass

The screenshot shows the MongoDB Compass interface for the **natours.users** collection.

Collection Overview:

- Documents:** 22 DOCUMENTS
- Indexes:** 2 INDEXES

Document Preview:

```
_id: ObjectId('5c8a1d5b0190b214360dc057')
name: "Praabindh Pradeep"
email: "admin@pratours.io"
photo: "user-1.jpg"
role: "admin"
password: "$2a$12$gAfrS.fcJY8cKu3U50eUs.ZkEo1Nh2gr0kW00f44B0anmL5.bRZ."
active: true
__v: 0
passwordChangedAt: 2023-02-23T12:01:28.025+00:00

_id: ObjectId('5c8a1dfa2f8fb814b56fa181')
name: "Lourdes Browning"
email: "loulou@example.com"
photo: "user-2.jpg"
role: "user"
password: "$2a$12$/PPkqDDAZ5z4f5sfYdsf/e/2iIFBjAVyzc39kMLKYnt0AxW.sktcG"
active: true
__v: 0
```

UI Elements:

- Left Sidebar:** Shows databases (Pratours-App, admin, local, natours) and collections (bookings, reviews, tours, users).
- Top Bar:** MongoDB Compass - Pratours-App/natours.users, Fri Feb 24 11:52:26.
- Document List:** Shows 22 documents.
- Search Bar:** Search for documents.
- Buttons:** ADD DATA, EXPORT COLLECTION, Find, More Options.
- Footer:** > MONGOSH

Pratours MongoDB Cloud

The screenshot shows the MongoDB Atlas interface. On the left, there's a sidebar with tabs for DEPLOYMENT, Database (selected), SERVICES, Triggers, Data API, Data Federation, Search, SECURITY, Database Access, Network Access, and Advanced. The main area shows a cluster named "ClusterO" in the "PRAABINDH'S ORG - 2023-02-17 > PROJECT 0 > DATABASES" section. The VERSION is 5.0.14 and the REGION is AWS N. Virginia (us-east-1). The Collections tab is active, showing 1 database and 4 collections: bookings, reviews, tours (selected), and users. The "tours" collection has 9 documents. A query result for one document is shown:

```

_id: ObjectId('5c88fa8cf4afda39709c2955')
name: "The Sea Explorer"
duration: 7
maxGroupSize: 15
difficulty: "medium"
ratingsAverage: 4.8
ratingsQuantity: 6
price: 497
summary: "Exploring the jaw-dropping US east coast by foot and by boat"
description: "Consectetur adipisciing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."
imageCover: "tour-2-cover.jpg"
> images: Array
  
```

System Status: All Good
©2023 MongoDB, Inc. Status Terms Privacy Atlas Blog Contact Sales

Pratours Code Structure

The screenshot shows the Visual Studio Code interface with the title "server.js - Pratour-NodeJS - Visual Studio Code". The status bar indicates it's Friday, February 24, at 11:54:18. The Explorer sidebar shows the project structure under "PRATOUR-NODEJS", including controllers, dev-data, data, img, templates, models (reviewModel.js, tourModel.js, userModel.js), public, node_modules, routes, services, utils, views, .eslintrc.json, .prettierrc, app.js, config.env, and package-lock.json. The code editor has four tabs open: server.js, userModel.js, userController.js, and tourModel.js. The tourModel.js tab is active, showing code for a tour schema with virtual population for reviews.

```

models > userModel.js > ...
  type: String,
  required: [true, 'Please provide a password'],
  minlength: 8,
  select: false,
},
passwordConfirm: {
  type: String,
  required: [true, 'Please confirm your password'],
  validate: [
    // This only works on CREATE and SAVE!!!
    validator: function (el) {
      return el === this.password;
    },
    message: 'Passwords are not the same!'
  ]
}
  
```

```

models > tourModel.js > tourSchema.pre() callback
  tourSchema.index({ price: 1, ratingsAverage: -1 })
  tourSchema.index({ slug: 1 });
  tourSchema.index({ startLocation: '2dsphere' });
  tourSchema.virtual('durationWeeks').get(function () {
    return this.duration / 7;
  });
  // Virtual populate
  tourSchema.virtual('reviews', {
    ref: 'Review',
    foreignField: 'tour',
    localField: '_id',
  });
  
```

Ln 16, Col 32 Spaces: 2 UTF-8 LF ↵ Babel JavaScript ⌂ Go Live ⌂ ⌂ ⌂

Pratours Backend Running Server

The screenshot shows the Visual Studio Code interface with several tabs open:

- server.js**: Contains code for handling uncaught exceptions and setting up a MongoDB connection.
- userController.js**: Handles user-related operations like filtering fields.
- userModel.js**: Defines the schema for users, including password validation.
- tourModel.js**: Defines the schema for tours, including virtual properties for duration weeks.

The code editor shows snippets of JSON and JavaScript, and the bottom status bar indicates the file is a Babel JavaScript file.

Pratours Postman Aliasing

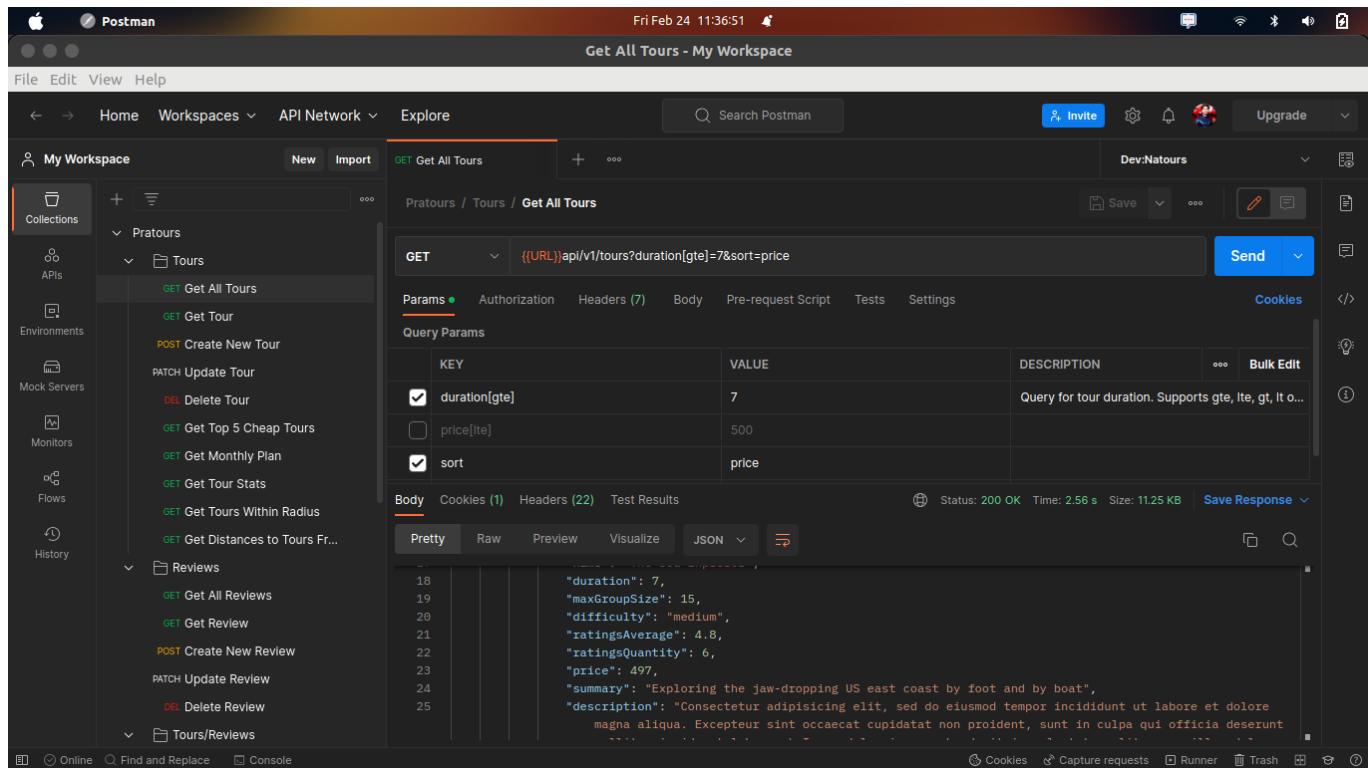
The screenshot shows the Postman application interface with the following details:

- My Workspace** section: Shows a collection named "Pratours" containing "Tours" and "Reviews" sub-collections.
- API Network** section: Shows a single API entry under "Pratours".
- Explore** section: Shows a "Get Top 5 Cheap Tours" endpoint.
- Request Details** pane (GET /api/v1/tours/top-5-cheap):
 - Params**: None
 - Authorization**: None
 - Headers**: (7)
 - Body**: None
 - Pre-request Script**: None
 - Tests**: None
 - Settings**: None
- Response Body** (Pretty):


```

1  "status": "success",
2  "results": 5,
3  "data": [
4    {
5      "data": [
6        {
7          "_id": "5c88fa8cf4afda39709c2951",
8          "name": "The Forest Hiker",
9          "difficulty": "easy",
10         "ratingsAverage": 5,
11         "price": 397,
12         "summary": "Breathtaking hike through the Canadian Banff National Park",
13         "guides": [
14           {
15             "_id": "5c8a21d02f0fb814b56fa189",
16             "name": "Steve T. Scaife",
17             "email": "steve@example.com",
18             "photo": "user-10.jpg",
19             "role": "lead-guide"
20           }
21         ]
22       }
23     ]
24   }
25 ]
26 
```

Pratours Postman - Tour Sorting



API Reference

Tour API

API Reference For Tours And Its Operations

Get All Tours

```
GET /api/v1/tours
```

Parameter	Type	Description
api_key	string	Required. Your API Key

Get Tour

```
GET /api/v1/tours/${id}
```

Parameter	Type	Description
id	string	Required. Tour ID

Create A Tour

```
POST /api/v1/tours
```

Parameter	Type	Description
api_key	string	Required. Your API Key
name	string	Required. Tour Name
duration	number	Required. Tour Duration
maxGroupSize	number	Required. Tour Maximum Group Size
difficulty	string	Required. Tour Difficulty
price	number	Required. Tour Price
summary	string	Required. Tour Summary
imageCover	string	Required. Tour Image Cover

Update A Tour

```
PATCH /api/v1/tours/${id}
```

Parameter	Type	Description
api_key	string	Required. Your API Key
id	string	Required. Tour ID
imageCover	file	Required. Tour Image Cover
images	file	Required. Tour Grid - 1 Image
images	file	Required. Tour Grid - 2 Image
images	file	Required. Tour Grid - 3 Image
price	number	Required. Tour Price

Delete A Tour

```
DELETE /api/v1/tours/${id}
```

Parameter	Type	Description
api_key	string	Required. Your API Key
id	string	Required. Tour ID

Get Top 5 Cheap Tours

```
GET /api/v1/tours/top-5-cheap
```

Parameter	Type	Description
api_key	string	Required. Your API Key

Get Monthly Plan

```
GET /api/v1/tours/top-5-cheap
```

Parameter	Type	Description
api_key	string	Required. Your API Key

Get Tour Stats

```
GET /api/v1/tours/tour-stats
```

Parameter	Type	Description
api_key	string	Required. Your API Key

Get Tours Within Radius

```
GET /api/v1/tours/tours-within/{distance}/center/${longitude},  
{latitude}/unit/${unit}
```

Parameter	Type	Description
api_key	string	Required. Your API Key
distance	string	Required. Your Distance
longitude	string	Required. Your Longitude
latitude	string	Required. Your Latitude
unit	string	Required. Your Preferred Unit

Get Distances to Tours From Point

```
GET  
/api/v1/tours/{distance}/center/${longitude},${latitude}/unit/${unit}
```

Parameter	Type	Description
api_key	string	Required. Your API Key
distance	string	Required. Your Distance
longitude	string	Required. Your Longitude
latitude	string	Required. Your Latitude
unit	string	Required. Your Preferred Unit

User API

API Reference For Users And Its Operations

Get All Users

```
GET /api/v1/users
```

Parameter	Type	Description
api_key	string	Required. Your API Key

Get A User

```
GET /api/v1/users/${id}
```

Parameter	Type	Description
id	string	Required. User ID

Update A User

```
PATCH /api/v1/users/${id}
```

Parameter	Type	Description
api_key	string	Required. Your API Key
id	string	Required. User ID

Parameter	Type	Description
name	string	Required. User Name
email	string	Required. User Email

Delete A Tour

```
DELETE /api/v1/users/${id}
```

Parameter	Type	Description
api_key	string	Required. Your API Key
id	string	Required. User ID

Get Current User

```
GET /api/v1/users/me
```

Parameter	Type	Description
jwt	token	Required. User ID

Update Current User

```
PATCH /api/v1/users/updateMe
```

Parameter	Type	Description
api_key	string	Required. Your API Key
id	string	Required. User ID
name	string	Required. User Name
email	string	Required. User Email
photo	file	Required. User Picture

Delete Current User

```
GET /api/v1/users/deleteMe
```

Parameter	Type	Description
jwt	token	Required. User ID

Authentication API

API Reference For User Authentication And User Functionalities

Update Current User

```
POST /api/v1/users/signup
```

Parameter	Type	Description
api_key	string	Required. Your API Key
name	string	Required. User Name
email	string	Required. User Email
password	password	Required. User Password
passwordConfirm	password	Required. Confirm Password

Update Current User

```
POST /api/v1/users/login
```

Parameter	Type	Description
api_key	string	Required. Your API Key
email	string	Required. User Email
password	password	Required. User Password

Forgot Password

```
POST /api/v1/users/forgotPassword
```

Parameter	Type	Description
api_key	string	Required. Your API Key
email	string	Required. User Email

Reset Password

```
POST /api/v1/users/resetPassword
```

Parameter	Type	Description
password	password	Required. User Password
passwordConfirm	password	Required. Confirm Password

Update Current User Password

```
PATCH /api/v1/users/updateMyPassword
```

Parameter	Type	Description
passwordCurrent	password	Required. Current Password
password	password	Required. User New Password
passwordConfirm	password	Required. Confirm New Password

Reviews API

API Reference For Reviews And Its Operations

Get All Reviews

```
GET /api/v1/reviews
```

Parameter	Type	Description
api_key	string	Required. Your API Key

Get A Review

```
GET /api/v1/reviews/${id}
```

Parameter	Type	Description
id	string	Required. Review ID

Create A Review

```
POST /api/v1/reviews
```

Parameter	Type	Description
api_key	string	Required. Your API Key
review	string	Required. Tour Review
rating	number	Required. Tour Rating
tour	id	Required. Tour ID
user	id	Required. User ID

Update A Review

```
PATCH /api/v1/reviews/${id}
```

Parameter	Type	Description
api_key	string	Required. Your API Key
id	string	Required. Review ID
rating	number	Required. Rating Changes

Delete A Review

```
DELETE /api/v1/reviews/${id}
```

Parameter	Type	Description
api_key	string	Required. Your API Key
id	string	Required. Review ID

Tours / Reviews API

API Reference For Reviews And Its Operations

Get All Reviews On A Tour

```
GET /api/v1/tours/${id}/reviews
```

Parameter	Type	Description
api_key	string	Required. Your API Key
id	string	Required. Tour ID

Create New Review On Tour

```
POST /api/v1/tours/${id}/reviews
```

Parameter	Type	Description
api_key	string	Required. Your API Key
id	string	Required. Tour ID
rating	number	Required. Rating Changes
review	string	Required. Review Changes

3rd Party APIs

- MongoDB : For Database
- Mapbox API : For Mapping Integration
- Stripe API : For Payment Integration
- Sendgrid : For Production Email Integration
- Mailtrap : For Testing Email Integration

Deployment

Installation Of The Project

```
sudo apt install nodejs
sudo apt install npm
npm init
npm install
npm start
```

Scripts For The Project

```
start = "nodemon server.js"
start:prod = "NODE_ENV=production nodemon server.js"
debug = "nbd server.js"
watch:js = "parcel watch ./public/js/index.js --out-dir ./public/js --
out-file bundle.js"
build:js = "parcel build ./public/js/index.js --out-dir ./public/js --
out-file bundle.js"
```

Dependencies

Dependencies For The Project

```
@babel/polyfill : "^7.4.4"  
axios : "^1.3.4"  
bcrypt0js : "^2.4.3"  
cookie-parser : "^1.4.4"  
dotenv : "^7.0.0"  
express : "^4.16.4"  
express-mongo-sanitize : "^1.3.2"  
express-rate-limit : "^3.5.0"  
helmet : "^3.16.0"  
hpp : "^0.2.2"  
jsonwebtoken : "^9.0.0"  
mongoose : "^5.5.2"  
morgan : "^1.9.1"  
nodemailer : "^6.1.1"  
pug : "^3.0.2"  
slugify : "^1.3.4"  
validator : "^13.9.0"  
xss-clean : "^0.1.1"
```

Dev Dependencies For The Project

```
eslint : "^5.16.0",  
eslint-config-airbnb : "^17.1.0",  
eslint-config-prettier : "^4.1.0",  
eslint-plugin-import : "^2.17.2",  
eslint-plugin-jsx-ally : "^6.2.1",  
eslint-plugin-node : "^8.0.1",  
eslint-plugin-prettier : "^3.0.1",  
eslint-plugin-react : "^7.12.4",  
parcel-bundler : "^1.8.1",  
prettier : "^1.17.0"
```

Engine Dependency For The Project

```
node: ">=10.0.0"
```

Authors

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