rentNoww

User's Manual

CSCI-P465/565 (Software Engineering I)

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1. Product Overview

RentNoww is a way for owners, renters and the RentNoww management to interact in such a way that it simplifies and organizes tasks related to their any kind of property. The system encompasses functionalities including, different rental items such as apartments, cars, boats and services such as plumbing, pest control and so on. The website also has a cool Chat Bot which helps people navigate through the website and help them rent out items and search for the items.. The application has different views for management and renters, owners and it also provides a way of interacting with customers & management through a real-time chat. The customers are able to rate the rented items or services.

2. System Requirements

Hardware Requirements:
- PC/Laptop with i5 Processor
- minimum 8 GB RAM
- minimum 512 HDD

Software Requirements:
- Internet Browser (for best experience Google Chrome)
- Node JS
- Python 3
- MySQL

3. Product Installation

Setting up Front End:

1. Clone the github repository using following command
   git clone https://github.com/RentProp/rentnoww-client.git

2. Navigate inside the directory
   cd rentnoww-client

3. Create .env file in this directory and paste the following credentials inside it,
   REACT_APP_AUTH0_DOMAIN=YOUR_AUTH0_DOMAIN
   REACT_APP_AUTH0_CLIENT_ID=YOUR_AUTH0_CLIENT_ID
   REACT_APP_AUDIENCE=YOUR_AUTH0_AUDIENCE
   REACT_APP_API_URL=http://localhost:3010
   REACT_APP_GOOGLE_API_KEY=YOUR_GOOGLE_API_KEY
   REACT_APP_CHAT_URL=http://localhost:7000/join

4. To install all the dependencies, run this command in cmd after navigating to current directory
   npm install

5. Start the front end server
   npm start

Runs the app in the development mode.
Open http://localhost:3000 to view it in the browser.

Setting up Database:

1. Open the MySQL client command line shell and run the following queries,

   create database rent_noww;

   Keep pressing enter without typing anything on the prompted questions.

Setting Up Back End:

1. Clone the github repository using following command
   https://github.com/RentProp/rentnoww-server.git

2. Navigate inside the directory
   cd rentnoww-server

3. Create .env file in this directory and paste the following credentials inside it,

   AUTH0_DOMAIN=YOUR_AUTH0_DOMAIN
   API_IDENTIFIER=YOUR_AUTH0_API_IDENTIFIER
   FRONT_END_URL=http://localhost:3000
   DB_NAME=rent_noww
   DB_USER=root
   DB_PASSWORD=DATABASE_PASSWORD

4. To install all the database models, run this command in cmd after navigating to current directory
   python manage.py migrate

   This will create all the tables in the database that you just created.

5. To start the backend server run,
   python manage.py runserver 0.0.0.0:3010

4. Product Operation

Home Page (Public User)

- If you are looking for the best rental experience, visit us on
  https://rentnoww.herokuapp.com using your internet browser on your laptop.
- You can browse our recommended products on the home page you land on.
- On the home page, you can search for any item that you are wanting to rent using the filters of type and category. You can search within a custom price range using the sliders below the search bar.

Item Details, Renting Items and Rent Out Items (Signed In User Functions)

- To be able to see the item details you need to be signed in to the website. To do that you can create an account by clicking on the SIGNIN button on the top right corner.
- You can sign in using your email or any social accounts.

- After that you can see the item details, review and its rating.
- To rent an item you can add it to your cart and then you will be able to checkout by navigating to your cart and making the payment.
- To rent out an item you own, click on the ADD ITEM TO LISTING button on the navigation bar. You can then add the details of your items and make sure to add an image for a better experience.
- Once submitted, the items will be approved by the admin and then be available for public view. Until then your item will not be available for users to rent.
- To view you details click on the avatar on the top right corner and then navigate to the YOUR ACCOUNT.
- This will redirect you to the dashboard page where you see your personal details, which you can edit
- You can also view your Past Rentals, and Past Listings.
- In the messages you can also communicate with the other members using their username.

5. Known Defects

We have tried to cover as much ground as possible. The known defects of the system are,

- The installation of dependencies takes a bit longer than expected in all the services.
- Currently, the website is hosted on heroku, so the loading time for responses from the backend is enormously higher.

Revision History

Revision	Date	Change Description
Created	December 06, 2020	User Manual Created