InstantParty

https://www.youtube.com/watch?v=uXWyvXYy-EQ&feature=youtu.be

- For solo performers, party havers, or anyone looking for a space to rent out (ranging from a small venue to a large lot), **InstantParty** is an online marketplace that connects customers with space lenders. It provides a seamless and secure platform to book or list properties. Unlike Airbnb, our product is highly automated and values customer feedback.

2. Instructions for Running

Steps to run:

1. **Clone the git repository, navigate to directory**:

   ```
   git clone <repository_url>
   cd <repository_directory>
   ```

2. **Install dependencies**:

   We've made a run.sh file for linux/ubuntu users that will create a virtual environment and install the dependencies to run our app.

   ```
   ./run.sh
   ```
   (If this doesn't work for you, install the following dependencies from requirements.txt with pip install "dependencyName")
   - flask, flask-cors
   - python3-venv, python-dotenv
   - node.js
   - express
   - npm
   - mongoose, brcrypt, supertest (for backend testing)

3. **Run the application**:
   -NOTE: If you ran the run.sh file, it will run the server for you, but if you want to run it yourself, navigate to the directory and run the command

   `node backend/server.js` from root directory

4. **Open a browser and navigate to `http://localhost:10000` to view the application.**
5. **If you want to run backend tests, use the command:**

```
npx Jest –coverage
```

3. Functional Requirements (FRs)

- User Authentication:
  - Users must be able to log into their account using their ID and password.
  - Users can edit their account information, including ID, password, managing listings, and account deletion.
- Listings Management:
  - Users can post a listing of the space they want to rent out, including pictures, price, address, and a detailed description.
  - Moderators can remove listings that violate terms of service (e.g., scams).
- User Ratings & Reviews:
  - Each user has a rating score (separate scores for renters and rentees).
- Search & Discovery:
  - A map system enables users to view nearby spaces in their desired area.
  - Users can browse multiple listings before selecting one they want to learn more about.
- Reservations & Payments:
  - Users can view their reservation before confirming payment.
  - Users can pay after choosing a listing and confirm the purchase afterward.

4. Non-Functional Requirements (NFRs)

- User Engagement:
  - Designed to maximize user interaction with an intuitive and interactive experience.
  - Includes mechanisms for collecting and analyzing user feedback (rating systems, surveys) to improve continuously.
  - Engagement metrics like session duration and retention rates should be monitored to ensure sustained user growth.
- Security & Privacy:

    - User data, including payment methods and personal information, must be securely stored and hidden.
- Performance:
    - The platform must run smoothly with no stutters, maintaining high frame rates and fast response times.
- Cross-Platform Accessibility:
    - The platform must be accessible on any device.
- Usability:
    - The system should be easy to understand and use for all users.
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