FINAL PROJECT TECHNICAL IMPLEMENTATION PLAN

GROUP NAME:

Team Inferno

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OVERVIEW:

NJRental is a rental platform for New Jersey residents. This application allows users to rent available properties or upload owned properties for rentals. The site lets users select the property of their choice and contact the owner regarding the property. Users can select major cities and search properties in cities of their choice. **NJRentals** also allows users to chat with the owner regarding the property.

Features offered by the applications are as follows:

- Property listing
- User profile page
- Chat (To contact owner)
- Filter by
    - City
    - Price
    - Number of bedroom
    - Size of property
- Sorting
- Google login
- Favorites (Add properties to favorites)

COURSE TECHNOLOGIES:

- **React:**

  We will use React as the front-end framework for the single page

  application. React will help us with the front-end part by providing many

  libraries for user interface and components. It will be helpful in a way for

  creating reusable UI components that will be included in our pages.

- **Redis:**

  Redis will be used to cache data. We will use it to cache data of recently viewed

  properties.

- **WebSocket.io:**

  We will use this to implement chat feature for users to contact owner regarding the
  property

INDEPENDENT TECHNOLOGY:

- **ImageMagick:**

  We will use ImageMagic to handle property images uploaded by the user.

- **Express-rate-limit:**

  It is a basic rate-limiting middleware for express. We use it for limiting brute force
  attack by limiting repeated request to public API like for password reset.

GIT URL:

https://github.com/CsProjectGroup554-Inferno/CS554_FinalProject