**User Interface Design**

**Document**

*Piece of Eden Rentals*

**Client**

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4/28/2016

*Piece of Eden Rentals*

User Interface Design Document

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**1. Introduction**

**1.1 Purpose of This Document**

The purpose of this document is to show the user how to navigate and interact

with the Piece of Eden Rentals web application. Images will show how Piece of Eden Rentals is interconnected and will display the different pages within the application,

highlighting important features to familiarize users with all that Piece of Eden Rentals has to offer.

**1.2 References**

**1.** Piece of Eden Rentals System Requirements

**2. User Interface Standards**

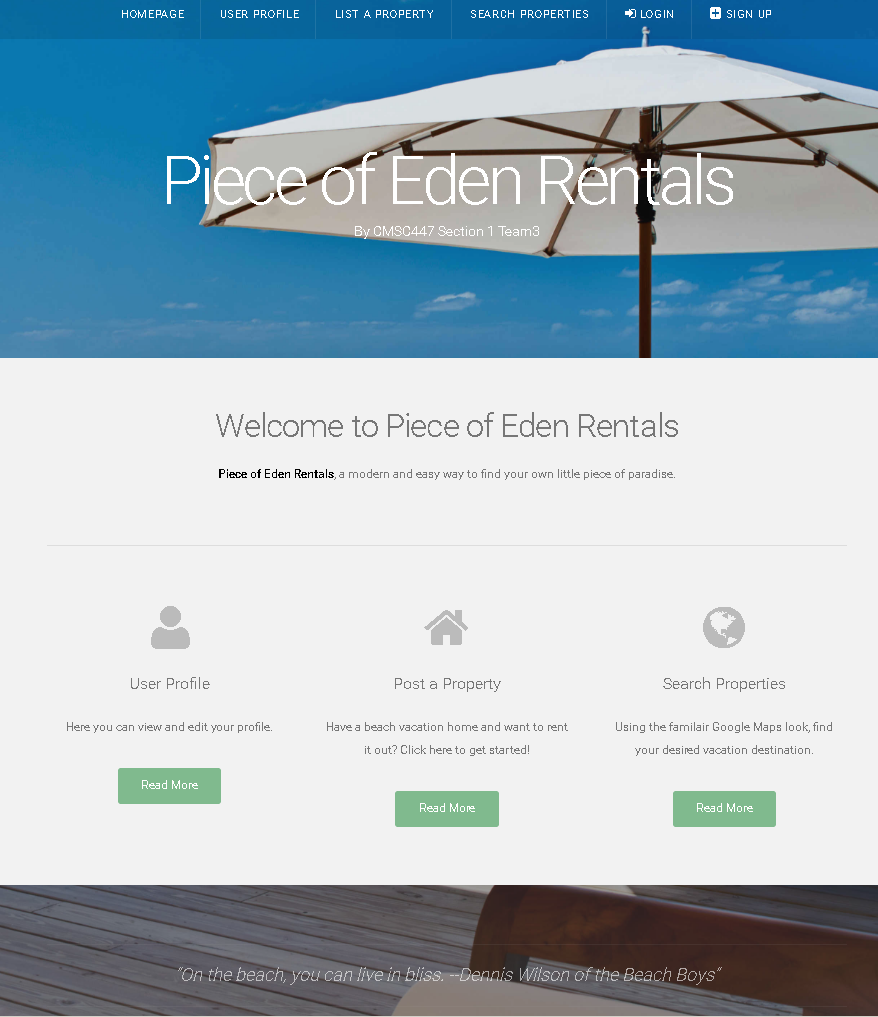
This section contains an overview of the design standards used in the Piece of Eden Rentals web application. As seen in Figure 1.0 below, there are two aspects to the

Piece of Eden Rentals layout that are consistent throughout the application. First, the

Piece of Eden Rentals Logo will appear in the URL title bar of every page. Second, the Menu Bar, which allows navigation through the main sub pages, will always

appear at the top of each web page. The Menu Bar contains four buttons users can choose from. First, the Home Button navigates to the Home Page (Figure 1.0). The Home page is the initial landing site for the user and guides them as to different paths they can take on the site. The user can also click on the rentals tab bringing forth the Rentals Screen (Figure 2.0) for featured properties. If the user clicks to apply filters or directly search for a property, the user will be taken to a modified version of the search page (Figure 2.1) or the property information page (Figure 2.2). The User tab takes users to the user page (Figure 3.0). This page allows the user to create a user account or edit their information if their account does not already exist.

***Figure 1.0 – Home Page***



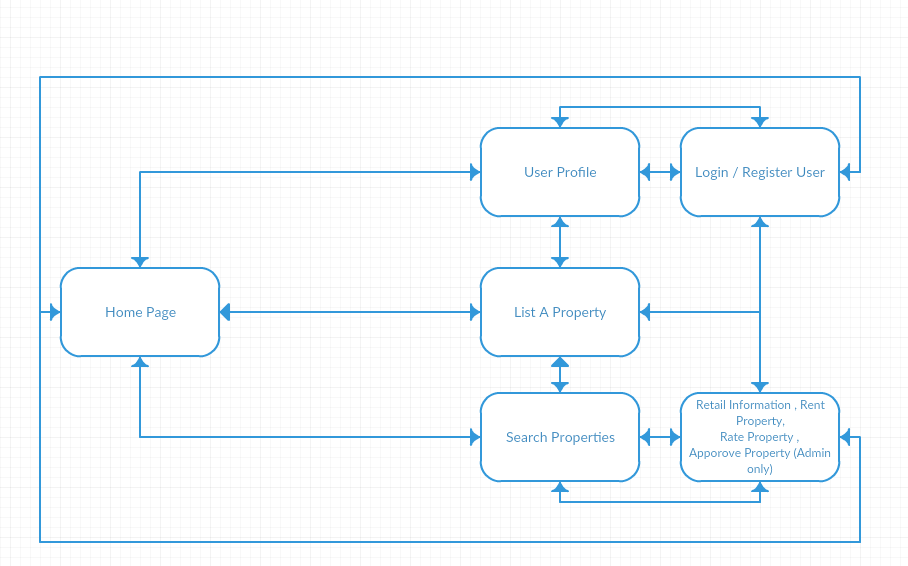
c

**3. User Interface Walkthrough**

**3.1 Piece of Eden Rentals Navigation Diagram**

The following navigation diagram or sitemap explains possible user flow through the

system. Note this is just suggested flow for users and this may not match all use cases. However, the majority of the functionality of this application is achievable through this progression.



**3.2 Piece of Eden Rentals Walkthrough**

**3.2.1 Searching**

The first page, or home page, the user will see is the Home Page (Figure 1.0).

This page contains the User Interface Standards, mentioned earlier in Section 2,

as well as a Sign in or Sign up button. On this page the user can enter their information and sign in if they wish to have a personalized experience, or they can search for properties to rent. The results of the search are displayed on a Search Page (Figure 2.0 / 2.1). The search page has since been combined with the featured properties page since the last spiral however, both figure number will be used to reference this new page to maintain formatting for reference to the first iteration document. The results are organized in the order of either recently added or highest related properties. On the results page, the user may click on the property to view its rental information on the rental information page(Figure 2.2).

**3.2.2 Profile**

Clicking the User Button, from the Menu Bar, will navigate to the User’s Profile

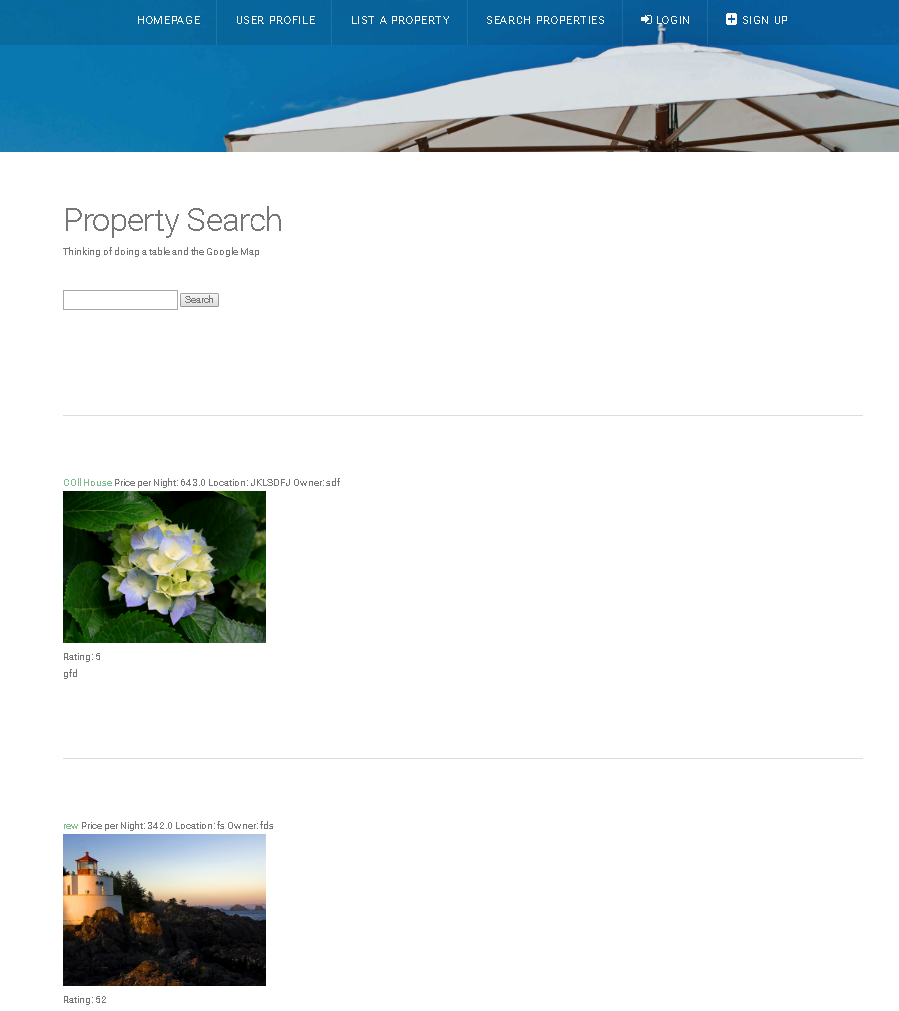
Page (Figure 3.0). The User Page contains the User Interface Standards

mentioned earlier in Section 2. This information is available to the admin user and to other users who try to view the profile, usually when looking at the user’s reviews. Since the Menu Bar is on every page throughout the Piece of Eden Rentals web application, the user may view any other pages at any time simply by clicking on each respective button.

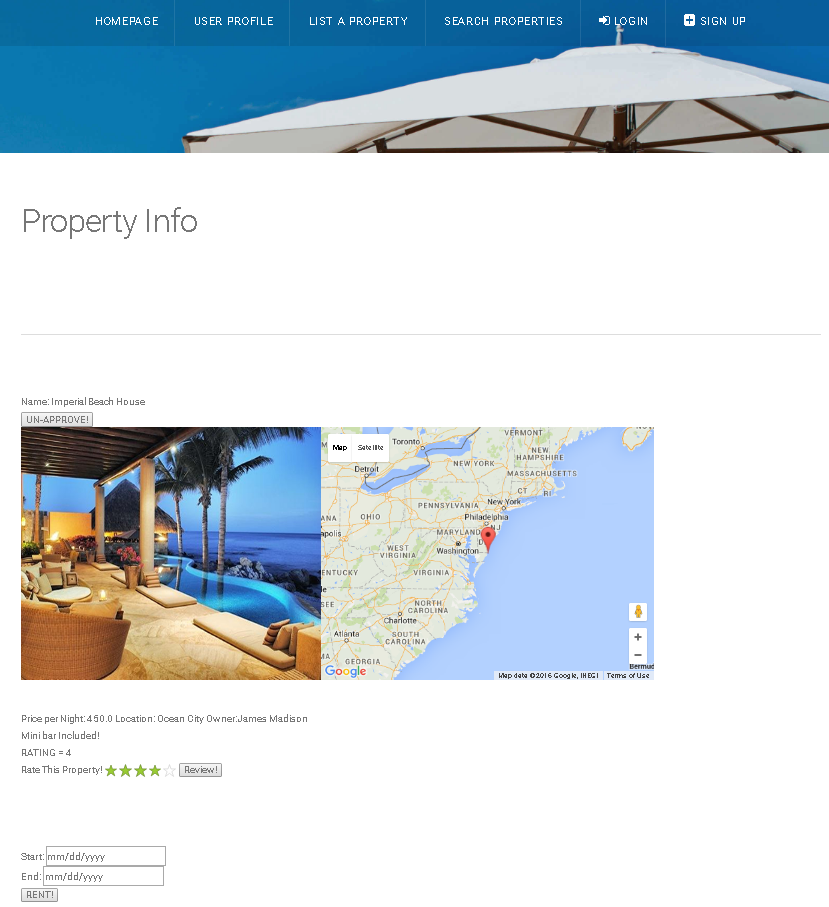
**3.2.3 Create a Property**

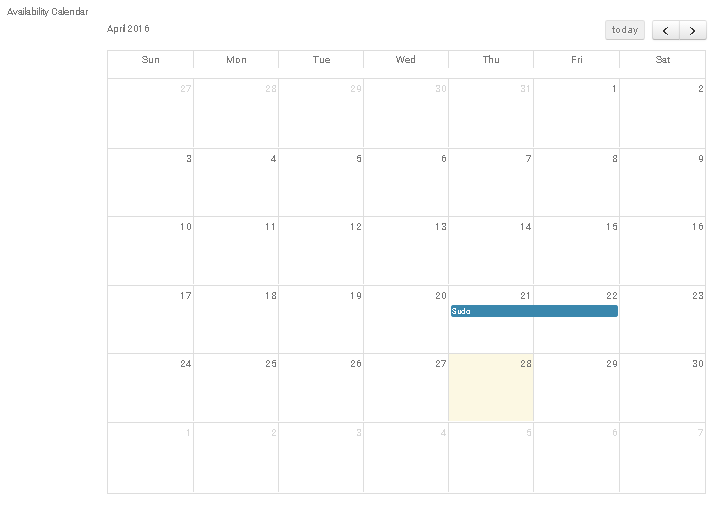
Registered users have the ability to click on the “list a property” button on the menu tab which will navigate them to the Create a Property Screen (Figure 4). From this screen a user may enter information about the property he or she wishes to list such as name, price per night, pictures, etc... If a visitor to the site is not logged in as a user the button will produce a prompt asking the user to login before creating a property, as they do not have permission to create a property otherwise.

***Figure 2.0 /2.1 - Rentals / Search Page***

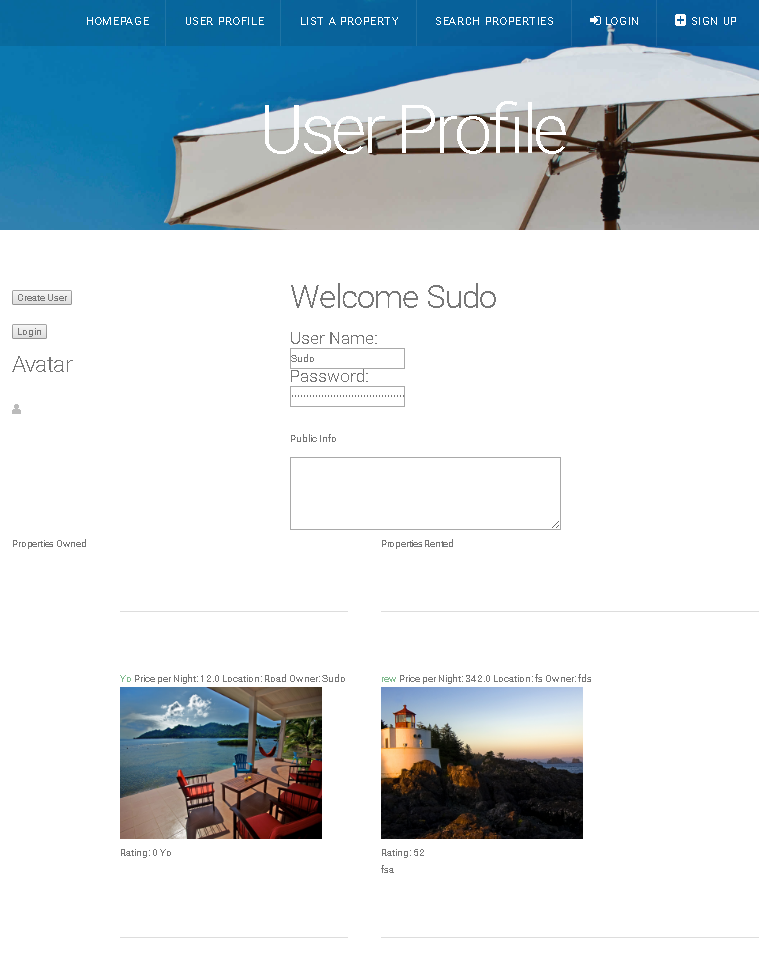


***Figure 2.2 - Rental Information Page***

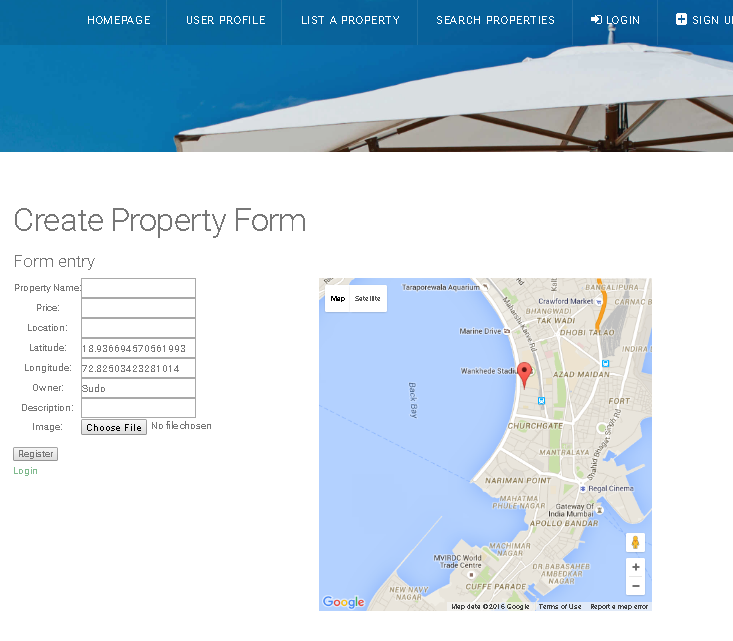




***Figure 3.0 - User Page***

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***Figure 4 – Create Property Form***



**4. Data Validation**

There are multiple data entry points into the Piece of Eden Rentals. They include: User names, profile pictures, user information, and reviewing property. Please refer to the table below for further information regarding allowable inputs, their limits, and allowable formats. In addition, all text that is entered is escaped for security.

**4.1 Data Validation Table**

**User Creation Form:**

|  |  |  |
| --- | --- | --- |
| **Entry Location** | **Data Type** | **Limits** |
| Username | Char Field | Length 30 |
| Email Address | Char Field | Length 30 |
| Password | Char Field (hashed) | Length 30 |

**List Property Form**

|  |  |  |
| --- | --- | --- |
| **Entry Location** | **Data Type** | **Limits** |
| Property Name | Char Field | Length 30 |
| Price | Float | Valid Float |
| Location | Char Field (hashed) | Length 50 |
| Owner | Char Field | Length 30 |
| Description | Char Feild | Length 256 |
| Image | .jpg | Valid .jpg |
| Latitude | Float | Valid float |
| Longitude | Float | Valid float |

**5. Appendix A – Agreement Between Customer**

**and Contractor**

The customer agrees to a *Luxury Rental Network* system with searching, browsing and

detailed meta-data capabilities. See System Requirements Specification for more

information. Additional features will be provided in further development spirals.

When and if future changes to this document occur a drafted new document will be

created. Both a hard and electronic copy of both versions will be presented to the client for

review. Upon approval, the draft will be finalized and signed off by both parties.

**Client**

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**6. Appendix B – Team Review Sign-off**

This document has been collaboratively written by all members the team. Additionally,

all team members have reviewed this document and agree on both the content and the

format. Any disagreements or concerns are addressed in team comments below.

**Team**

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**7. Appendix C – Document Contributions**

Eric Forte is the owner of this document, and as of this version, is the sole contributor.