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1. Introduction

HouseBook has been implemented to allow people like you to do their property management online. Here you are allowed to browse, rate or comment on properties.

Purpose

This document will assist you in everything you can do on our website. If you are unsure about what to do at anytime, simply reference this document to find the solution.

Related Documents

Join our blog at <http://acm-server.cs.up.ac.za/ruby/s10022806/1/> and be connected to other users sharing problems/hints/thoughts about the site.

Conventions

Our website follows the conventional social interaction conventions. You need to register to take part in sharing information, although unregistered users are allowed to browse content.

Problem Reporting Instructions

Please send an email regarding any bugs to techteam@housebook.co.za.

2. Overview

There exist 3 kinds of users on our site: Unregistered, registered and administrator. There will be referred to this throughout the article.

Functional Description

Unregistered users:

- Browse properties.
- Rate properties.
- See property ratings.
- See comments on properties.

Registered users:

- Same as unregistered users.
- Comment on properties.
- Search for users.
- Search for properties.
- Add friends.
- Change avatar.
- Register new properties.
- Delete own comments.
- Send messages.
- Delete own account.

Administrators:

- Same as registered users.
- Delete users.
- Upgrade users to admin.
- Delete properties.
- Delete comments.
- Reset ratings of properties.

Special Cases

If a user deletes his account:

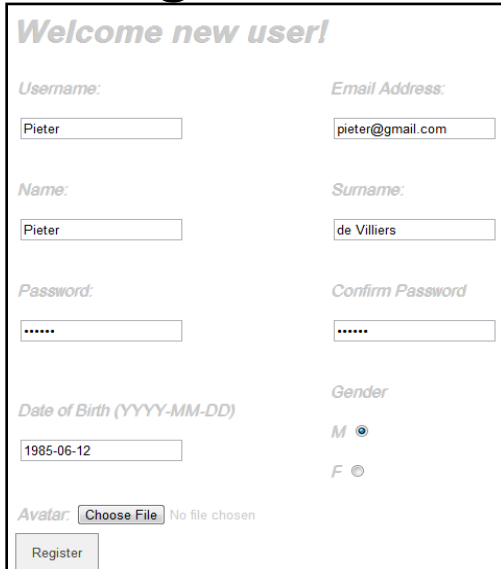
The main Administrator takes ownership of the properties this user created. All comments made by this user are deleted.

If an administrator deletes an account:

This administrator takes ownership of the properties the deleted user created. All comments made by the deleted user are deleted.

3 Instruction

Unregistered users



Welcome new user!

Username: **Email Address:**

Name: **Surname:**

Password: **Confirm Password:**

Date of Birth (YYYY-MM-DD): **Gender:** ☒ M ☐ F

Avatar: No file chosen

Figure 1: Registering users

Functionality

Unregistered users are allowed to browse properties, rate them and view comments on properties.

Registering

You can become a member of our site by simply entering your details on the registration form (Figure 1).

The username and email address will be checked and if duplicates are found in our database an appropriate error will be shown. Furthermore the default validation is done (Eg: Date of birth, password).

Registered users



Logged in as Hendrik



Figure 2: Registered users

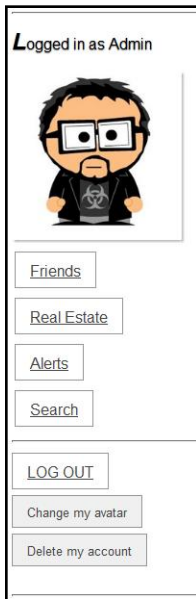
Logging in

On the homepage you get easy access to logging in to your account. Once logged in your avatar will be loaded and you will gain access to the registered users functionality.

Functionality

- You can search other users and properties. (Appendix A: Figure A.1)
- You can view your friends. (Appendix A: Figure A.2)
- You can view your alerts - If someone sent you a request. (Appendix A: Figure A.3)
- You can register properties. (Appendix A: Figure A.4)
- You can change your avatar/profile picture.
- You can comment on property listings. (Appendix A: Figure A.5)
- You can delete your own comments.
- You can delete your account.

Administrators



Logging in

Whenever you log in as an administrator, you get access to a lot more functionality to maintain the website. (Figure 3)

Functionality

- You can delete other users on the site. This will remove their accounts from the database and assign all their properties to your account.
You can also upgrade other users to administrators. (Appendix A:Figure A.6)
- You can delete property listings. (Appendix A:Figure A.7)
- You can reset property ratings. (Appendix A:Figure A.8)

Figure 3: Administrators

Appendix A - Glossary

All the figures referred to follow here...

Figure A.1: Searching

Searching	
For users	For properties
Search users Search properties	Search users Search properties
Searching for users!	Searching for properties!
Search string: <input type="text" value="a"/>	Search string: <input type="text" value="a"/>
By criteria: <div><div>Friends</div><div>Friends First name Last name Username Email address</div></div>	By criteria: <div><div>Description</div><div>Description Category User who commented User who created</div></div>
<input type="button" value="Search"/>	<input type="button" value="Search"/>

Figure A.2: View friends

Total friends: 1

Username: Hendrik

Hendrik Prinsloo

Figure A.3: Register property

Register a new Property
Please ensure that your information is accurate

Property Name

Property Type:

Rent or Sell?:

Price? R

Description

Attach photo:

Figure A.5: Comment on property

Post new comment

Figure A.6: Delete/Upgrade users

Hendrik

User details:

Name: a
Surname: a
Email: me@thePlace.net
Birth Date: 1991-06-23

Figure A.7: Delete property listings

Dream house

3 bedroom house with open plan kitchen.

By user: a

Delete

Figure A.8: Reset property ratings

Dream house

3 bedroom house with open plan kitchen.



Added by: a

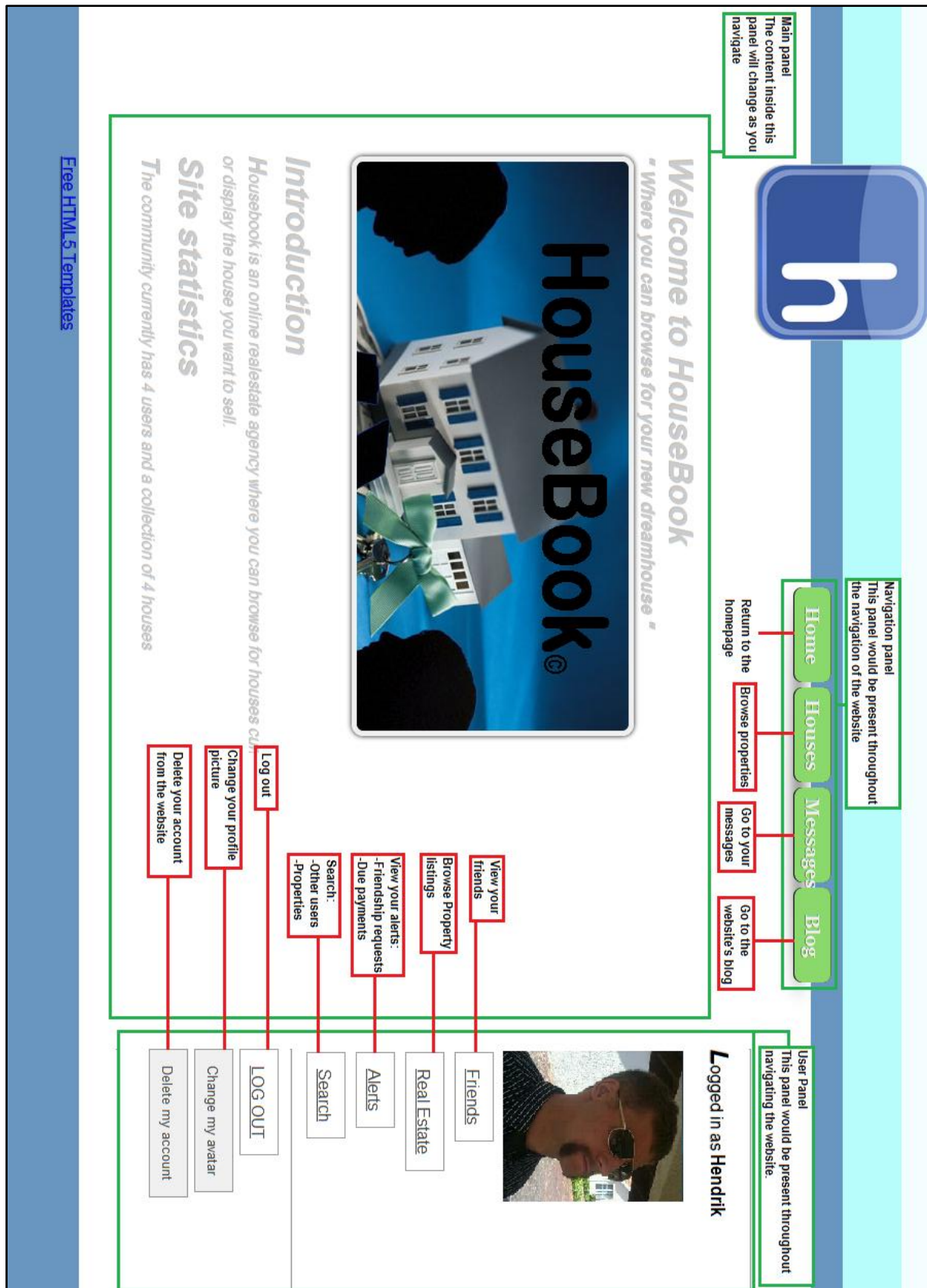
Rating: 2.25

Reset rating

● 0.5 Stars ● 1 Star ● 1.5 Stars ● 2 Stars ● 2.5 Stars ● 3 Stars ● 3.5 Stars ● 4 Stars

Submit Rating

Figure A.9: Full home page



Appendix B - System properties

What I attempted from the specifications

- [Y] member registration
- [Y] member update, keeping a record of previous members
- [Y] communication, such as online chat with other members (~~online~~ or/and **offline** with networking)
- [Y] information sharing (~~files~~, ~~video~~, **pictures**, **text**, etc.)
- [Y] property registration for new owners
- [Y] ordered selections (**category, buy/sell, expensive, popular, new**, etc.)
- [Y] non-member functionality
- [Y] administrator interface
- [Y] property rating system, alternatively an award system where members can nominate and ~~vote~~ **—for best member**
- [N] auction interface (members are notified if their bid was rejected or accepted)
- [Y] a templatised webpage structure
- [?] maintenance request logger and tracker
- [?] key tracker and management
- [?] entry logger and service calendar

Extra implementations

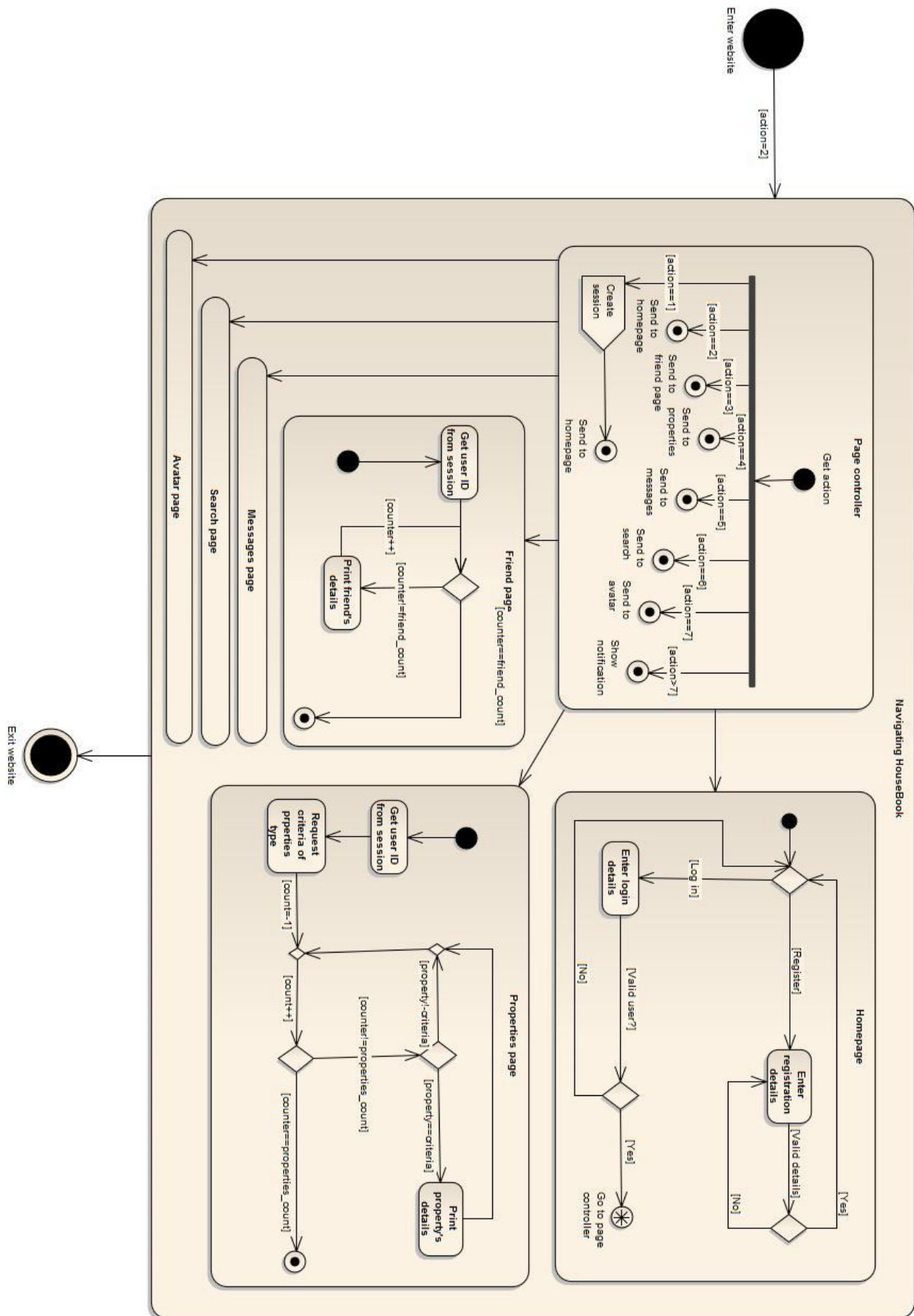
- Members can search for other users/properties by different criteria.
- Members can add users as their friends.
- Members are notified of friend request and can request/decline.
- Homepage show statistics of the site.
- Members can delete their accounts.
- Members can comment on property listings, and delete their own comments.
- Administrators can delete users, delete property listings, and reset property's ratings.
- Properties are categorized.

Technologies used

- HTML 5
- CSS
- PHP
- Javascript
- JQUERY (Enhancements -Eg: Registration error handling)
- MySQL
- Ajax -"link.js"
- RoR - Blog

Appendix C - Structural design: Diagrams

Full site activity diagram



Structural diagram of database

