

Project Requirements

Project Name:

Team: 5

Customer: Bledar Aga

Revision History

Version	Date	Revision Description
.01	2014-10-07	Initial version
.02	2014-10-14	Corrected version after meeting with Bledar Aga.
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1.0		

Date: October 14, 2014

1. Introduction

Purpose

The Purpose of this project is to enable the users to socially share advertisements of WG-rooms, either offer or search for ads. This is done by creating a website specifically designed as a social platform. Every user will have a profile, so it's simple for them to get in contact in case of interest. Additionally ad providers can manage appointments with interested and potential roommates on the platform itself.

Stakeholders

The Stakeholders of the project are people who want either to offer a WG-room or those who want to look for one.

Definitions

User: Persons who uses the website either for placing ads or for searching rooms

Renter: People who place an ad on the website on purpose to rent a room in a WG. A renter is a user.

Subtenant: People who search for a room. A subtenant is a user.

Account/Profile: Every User has an account where all his personal information is stored.

Ad / advertisement: an advertisement for letting a WG-room.

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System overview

The project is a classic server-client-model, which consists a webpage based on java.

References

Java: <http://docs.oracle.com/javase/7/docs/api/>

Maven: <http://maven.apache.org>

Eclipse: <https://www.eclipse.org>

2. Overall description

Use Case Diagram



Use cases

1. Registration and Login

1. Actors

User

2. Description

As a renter (puts ad) or a person who searches for rooms I want to register myself to get a profile to unlock all features on the webapp.

3. Trigger

User opens Login-form on the webapp.

4. Pre-conditions

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5. Post-conditions

User is logged in to the system, i.e. has access to all privileged functionalities.

6. Main scenario

1. User types in his email address and password if he's registered.
2. The system checks if the user is in the system and the password matches the email address.
3. If the check is okay, the user is stated as logged in. Otherwise the system asks the user to enter his information again

7. Alternative scenario

2a. User is not registered.

1. User navigates to the registration form.
2. User is redirected to the register page where he has to enter his email address and password.
3. When the user clicks on „Submit“ the system checks the information. If everything is correctly filled, the system saves it to the database and states the user as logged in. Otherwise continue with step 2.

8. Special requirements

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9. Notes

In future Bledar Aga wants to save the password secure.

2. Search (with Filters)

1. Actors

User as a subtenant.

2. Description

As a user I want to search for relevant ads.

3. Trigger

User navigates to the search page.

4. Pre-conditions

For the alternative scenario the user has to be logged in.

5. Post-conditions

The user can see information about all relevant ads he searched for.

6. Main scenario

1. User sets filters (place, keywords, ...) so they match what he wants to search.
2. System shows matching entries from the database as a list with few information (title, place, small picture).
3. For more details the user can choose a list entry to get detailed information about that ad.

7. Alternative scenario

2a. The user is logged in.

1. Additionally the user can favorite an ad.
2. The user can search for all ads he has favorised.
3. Continue with step 3 from the main scenario.

8. Special requirements

When a list of found ads is shown, the user can – on the same page – set new search filters.

9. Notes

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3. Load up a WG (Management)

1. Actors

Renter: Loads up the WG, edits the WG profile and removes it.

2. Description

The renter should have a form which allows him to enter pictures of the WG (rooms, prospect, furnitures) and the following informations (in principle all informations duty): a) Number of persons in WG, versus free places in WG b) qM of WG and WG room, c) price of WG d) precise Address (and postal number) of WG e) description of WG living style, type of inhabitants for finding right new inhabitant. f) When is the WG free (availability)

In second step he should be able to change this form later if needed with edit function or even to remove it by button.

3. Trigger

Renter enters data on the submit/edit page for WGs. Or click on the delete button.

4. Preconditions

Renter has made a account on the WG-room-sharing page. (Scenario 1)

Renter is Logged in in the account of the WG-page

Renter opened window for upload WG

5. Postconditions

If address is correct, it is visible on map feature of scenario 2.
Profile gets visible for searchers in Search feature
The Users can submit requests to the renter of the Entry

6. Main Scenario

1. Renter open window for loading up WG
2. Renter enters all needed informations
3. Renter clicks submit button
4. Informations are checked if needed (means is every part of submit form full, really numbers in price part, etc...)
5. Information is stored in database
6. Information can be "used" for the other scenarios

7. Alternative Scenarios

Change form

1. Renter sees that form is incorrect
2. Renter is logged in
3. Renter clicks edit button
4. Renter changes similar to main scenario and submit

Delete the WG

1. Renter is logged in
2. Renter clicks on delete button
3. Renter validates second time deletion
4. WG is removed from database

8. Special Requirements

All information must be entered, otherwise it makes no sense with the wanted social system.
Address must fit a strict form, or it is impossible to program the map-feature for the search scenario.

9. Notes

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4. Submit Proposals

1. Actors

Renter
User as a subtenant

2. Description

The user sends a proposal if he likes the WG. This proposal contains detailed description of the user. User sends this proposal by the form to the renter. The renter get's the proposal and can open it and read it.

3. Trigger

User is interested in a WG, finds the WG by the Search function and wants to live there.

4. Preconditions

Entry of WG exists and is found by Search

5. Postconditions

The user should be able to revoke the proposal

6. Main Scenario

1. User does a proposal for an ad he found.
2. User fills out the proposal form and submits
3. Renter receives the form and decides if he accepts the person (save or delete the proposal)

7. Alternative Scenarios

Email Information if you receive a proposal?
Renter can delete proposal also on later time.

8. Special Requirements

The user must be logged in to send the proposal
The renter must be logged in to receive the proposal

9. Notes

The proposal should also contain personal information.

5. Newsletter (Notifications)

1. Actors

User as a subtenant
Renter

2. Description

The user can set up search parameters for the newsletter creation. When a new ad matches those parameter ranges, it notifies the user by sending an email to him.

3. Trigger

Renter creates a new ad.

4. Preconditions

User has set up search parameters for the newsletter.

5. Postconditions

The email contains the new available ad with a direct link to the respective page.

6. Main Scenario

1. User defines search parameter ranges
2. User submits them via form
3. Renter creates an ad
4. Email is generated according to match of the values
5. Email is sent to user

7. Alternative Scenario

Ad does not match any of the user's search parameters.
4. Email is neither generated nor sent.

8. Special Requirements

System must be able to generate and send Emails

9. Notes

None

3. Specific requirements

Functional requirements (fr)

Word description:

Guest (= A site visitor who is not logged in), User (= A logged in visitor), Renter (= People who have created an ad on this site)

#	Requirement Group	Requirement Detail	Description	Iteration Nr.
1	User Profile	Login / Registration	A guest shall be able to register on the site by giving his email , a password and his real name . The website then sends him an email with a verification link. Furthermore he shall be able to log into his profile by using his given login data.	1
2		Additional Info	The registered user shall be able to enter additional information: address (street, nr, city, country), hobbies and biography .	2
3	Ad	Content	An ad is consisting of one or more pictures , a title , a description of the room and the people , room size and the location on a map. The availability of the room shall be entered by giving the start and the end date (if it's limited).	1
4		Management	The renter shall be able to create , delete and edit his ads. He shall be able to see how many people have seen his ad so far. He's given an overview of the incoming enquiries and his sent invitations. He shall be able to see the planned invitations with respective times and dates . The renter shall be able to invite users who have sent an enquiry for this ad. He then enters the time and date when the invitation shall take place. He shall be able to give a short message with the invitation. The renter shall also be able to favor visitors by a number and short note .	1
5		Visibility	A guest shall not be able to see the whole personal information in an ad. He's only shown the title , description , location , pictures and the start/end date of the ad. He shall not be able to send an enquiry. A user is shown all ad information, he shall be able to bookmark ads, so that they are shown in his profile for later use. He shall either be able to send an enquiry for this room.	2
6	Search	Criteria	A guest/user/renter shall be able to search for an ad by	1

			entering one or more of the following criteria: location , size , title , price	
7		Results list	The list shall contain the following information for each ad: a thumbnail of the first picture, title , the first 300 letters of the description followed by three dots (...) with word-wrap, price and size of the room.	1
8		Results Map	The search results shall be shown on a map centered by the median location. By hovering over a result icon, the result shall popup in a box with the same information as described in requirement 7.	2
9		Saving	Users shall be able to save searches for later use.	1

Non-Functional requirements (nfr)

#	Requirement Group	Requirement Detail	Description	Iteration Nr.
1	Design	Template	The template shall be screen responsive	1
2				