

DreamyWG

Aqid Bukhori Muhammad, Stefan Denner, Gabrielle Poerwawinata, Riebpradit Patipon



Get started

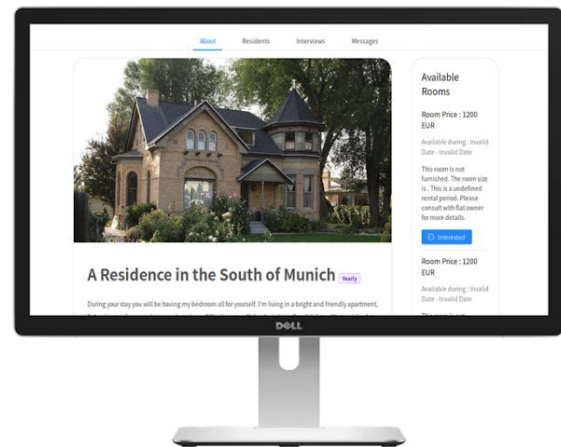
Beta Version 0.0.1 is Available

Find your perfect future flatmate

DreamyWG helps you either finding a flatshare easily and conveniently or to find your next perfectly suitable flatmate for your flatshare.

Get Started

Learn more



Our Services

Featured Services We Provide



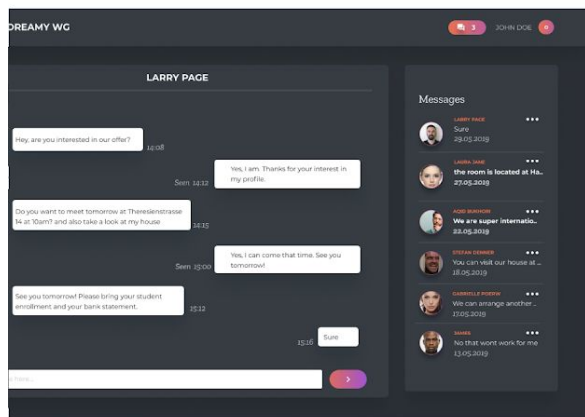
Intelligent Recommendations



Instant Communication



Interview Scheduling



Easy Scheduling

Communication and interview scheduling

One of the best feature. Connecting matched flatshare seeker and offerer easily with no need of exchanging private information.

Use Cases

1. Profile setup seeker and offerer (former: Registration process and preferences)

The screenshot shows the DreamyWG login interface. At the top left is the DreamyWG logo, and at the top right is a user profile icon. The main heading is "What would you like to do?". Below this are two large, light-blue rounded rectangular buttons. The left button features a magnifying glass icon, the text "Find flatshare", and a subtext: "You are looking for the most suitable place to live in Munich within a flatshare". The right button features a square with an arrow icon, the text "Offer flatshare", and a subtext: "You live in Munich and looking for a new flatmate to share your place with". At the bottom of the page, a small footer reads "DreamyWG - 2019".

As long as the user hasn't finished his profile setup, which is typically the first login into our system, the user has to decide whether he/she wants to find a flatshare or wants to offer a flatshare.

In all following forms, basic input validation like required fields is implemented and the user will be informed about missing fields.

Following will be the profile setup for **flatshare seeker**:

The screenshot displays the "Personal Information" form, which is the first step of a two-step registration process. A progress bar at the top shows "1 Personal Information" and "2 Flatshare Preferences". The form is titled "Personal Information" and contains several input fields and sections. On the left, there are dropdown menus for "Occupation*" (set to "Student") and "Field" (set to "IT"), a text input for "Age*" (set to "23"), a multi-select for "Languages you speak" (German and English), a multi-select for "Hobbies" (Football, Volleyball, Soccer), and a text area for "Short Description*" containing "Hi, I'm Stefan and I'm awesome!". On the right, there is a dropdown for "Flatshare experience*" (set to "> 2 year"), a multi-select for "Practices of Abstaining" (Vegetarian), a text input for "Link to social media profile" (https://twitter.com/elonmusk), and a "Profile picture*" section with a photo of a man. To the right of the form are three toggle switches: "Smoker" (off), "Pets" (off), and "Weekend absent" (off). A blue "Next" button is located at the bottom right of the form.

Within the profile setup for the seeker, the first step is to fill out the personal information page. Within this page, the seeker provides information about him-/herself like his/her occupation, languages he/she speaks, hobbies, etc. The user also has to upload a profile picture and give a short description about him-/herself apart from the properties which are already clarified by the upper form.

Flatshare Preferences

Regions*			Type of rent*	Type of flatshare*
<input type="text" value="Maxvorstadt"/> <input type="text" value="Altstadt-Lehel"/> <input type="text" value="Ludwigsvorstadt-Isarvorstadt"/>			<input type="text" value="limited"/>	<input type="text" value="mixed"/>
Room size in m²*	Rent in €*	Date available*		
<input type="text" value="12"/> - <input type="text" value="40"/>	<input type="text" value="400"/> - <input type="text" value="800"/>	<input type="text" value="2019-07-01"/> - <input type="text" value="2019-08-31"/>		
Gender restrictions*	Flatmates age*	Number of Flatmates*		
<input type="text" value="None"/>	<input type="text" value="18"/> - <input type="text" value="28"/>	<input type="text" value="1"/> - <input type="text" value="3"/>		

Stations Nearby	Stores nearby
<input type="text" value="Hauptbahnhof, München"/> <input type="text" value="Karlsplatz (Stachus), München"/>	<input type="text" value="Lidl"/> <input type="text" value="Edeka"/> <input type="text" value="Rewe"/>

Flat properties and Equipment

Furnished	Parking lot	Separate living room
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Shower	Bathtub	Kitchen
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Internet	Balcony	Terrace
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Garden	Washing machine	Dishwasher
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Flatshare living

Expected Cleanliness*	Cleaning schedule*	Flatshare activities
<input type="text" value="Don't care"/>	<input type="text" value="None"/>	<input type="text" value="Cooking"/> <input type="text" value="Partying"/> <input type="text" value="Sport"/>
Smokers	Pets	
<input type="checkbox"/>	<input type="checkbox"/>	

Next

The second step of the profile setup as a seeker is the flatshare preferences. Those preferences are separated in general information about the flat, then about the flat properties and equipment and finally about the flatshare living. We use those properties to later match flat seeker and flat offerer together. By clicking on 'Next' data will be validated, submitted to the backend and the user will be redirected to the Search page with his/her provided information prefilled.

Following will be the profile setup for **flatshare offerer**:



1 Flat 2 Flatmates 3 Flatmate Preferences

Your Flat details




Region*	Street*	House number*
Maxvorstadt	Arcisstraße	21
Flat size*	Room size*	Rent*
120 m²	20 m²	700 €/Month
Flat type*	Gender restriction*	
mixed	None	
Rental type*	Date available*	
limited	2019-06-01 ~ 2019-08-31	
Nearby station	Nearby store	
Arcisstraße, München x Hauptbahnhof, München x	Lidl x Edeka x Norma x	

Flat properties and Equipment

Furnished	Parking lot	Separate living room
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shower	Bathtub	Kitchen
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Internet	Balcony	Terrace
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Garden	Washing machine	Dishwasher
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Images and Descriptions

Images*



+ Upload

Flatshare headline*

Awesome Flatshare

Short description of your flatshare*

We are an awesome flatshare and looking for an awesome flatmate

Full description of your flatshare*

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Next

The flatshare offerer profile setup exists of three steps. The first step is about the flat itself. The user specifies properties such as the region, flat size, room size or rent but also if the room is only available for a limited time range or unlimited. Then the user also provides the nearby stations and store conveniently by an autocomplete field. Afterward, flat properties and equipment are provided the same way as on seeker side and finally, the user can upload images of the flat and can give his/her flat offerer a title and a short and long description.

Flatmates

Flatmate: Michael Müller

First Name*		Last Name*	
<input type="text" value="Michael"/>		<input type="text" value="Müller"/>	
Languages		Age*	Practice of Abstaining
<input type="text" value="German x"/> <input type="text" value="English x"/>		<input type="text" value="23"/>	<input type="text" value="Please select"/>
Occupation*		Field	
<input type="text" value="Student"/>		<input type="text" value="IT"/>	
Hobbies		Link to social media profile	
<input type="text" value="Football x"/> <input type="text" value="Volleyball x"/> <input type="text" value="Soccer x"/>		<input type="text" value="http://twitter.com/michaelmueller"/>	
<input type="text" value="I'm Michael, I'm awesome"/>			
<div>+ Click here to add flatmate</div>			

Next

The next and second step of the profile setup as a flat offerer is about the flatmates. The user provides information about the flatmates which already live within this flatshare. Each flatmate has the possibility to provide a short description of him/herself. The amount of flatmates which can be added is dynamic.

Flatmate Preferences

Gender	Age*	Occupations*
<input type="text" value="Please select"/>	<input type="text" value="18"/> - <input type="text" value="28"/>	<input type="text" value="Student x"/> <input type="text" value="Working x"/> <input type="text" value="On Vacation x"/>
Required flatshare experience*	Accepted Practices of Abstaining	
<input type="text" value="> 2 year"/>	<input type="text" value="Vegetarian x"/> <input type="text" value="Vegan x"/>	
Expected Cleanliness*	Cleaning schedule*	Flatshare activities
<input type="text" value="Don't care"/>	<input type="text" value="None"/>	<input type="text" value="Cooking x"/>
Smokers	Pets	Weekend Absent
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="button" value="Back"/>	<input type="button" value="Submit"/>	

The third and last step of flatshare offerer setup is about the preferences of the future flatmate. Those are quite similar to the personal profile the seeker provided. After the user filled the form and clicks on 'submit' there will be a redirect to the Flat detail page which will show the user his/her flat (described later in detail).

2. Find flatshare

The screenshot shows a web application for finding flatshares. On the left is a sidebar with filters, and on the right is the main content area showing search results.

Search Bar: Search Flat, My Messages, Logout

Filters (Left Sidebar):

- Regions***: Altstadt-Lehel x, Maxvorstadt x, Ludwigsvorstadt-Isarvorstadt x
- Room size in m²**: 12 - 40
- Rent in €**: 400 - 800
- Type of flatshare***: mixed
- Type of rent***: limited
- Date available**: 2019-06-01 - 2019-08-31
- Parking lot**: ☐
- Balcony**: ☐
- Dishwasher**: ☐
- Washing machine**: ☐

Search Button: Search

Our suggestions for you

Awesome Flatshare (59% Matched)

We are an awesome flatshare and looking for an awesome flatmate

20 m²
700 €
2019-06-01 - 2019-08-31

Arcisstraße 21, Maxvorstadt


Advertising

DreamyWG - 2019

The search view above is the page, which the flat seeker uses to search for a flat. On the left side, there is a filter group which is prefilled with some of the preferences of the user. All the other preferences are of course also stored, but not editable by this filter group on the left. On the middle-right side are the search results for the user. They are sorted descending based on the percentage of the match. Maximum three results are shown. Pagination is done on the backend side. The user can click on those results and will be redirected to the flats page where the flat will be shown in more detail. On the most right side, advertising is supposed to be added which is part of our revenue stream.

Notes about the matching: The matching is separated into two parts. On one side, there are so-called hard criteria like the rent of room size. If a flat violates those, this flat won't be shown. On the other side, there are the soft criteria. These do only apply on flats which fulfill all hard criteria. By the soft criteria, we determine the percentage of match between the seeker and the offered flat.

3. Interview Scheduling

My Flat Offer

Logout

AboutResidentsMessagesInterviews

Interviews

Add Schedule
Start Date: End Date:


Upcoming Interview

Select Schedule

23. Juli 2019


SHARE SCHEDULE

Add Timeslot

 Timeslot 23. Juli 2019, 03:10
Booked by tsts tsts

23. Juli 2019, 03:10


BOOKED

 Timeslot 23. Juli 2019, 03:40
No interviewee booked for this slot

23. Juli 2019, 03:40

IDLE

Past Interview


 tsts : 04. Juni 2019, 03:50
REJECTED

Accept

Reject

No Show

Message

 tsts : 04. Juni 2019, 04:20
BOOKED

Accept


Reject

No Show

Message

DreamyWG - 2019

In the interview page, the flat offerer can add schedule and time slots for an interview where the user has to specify the date, time range for that day and session duration per meeting. There will be a list to show whether someone has booked a time slot or not. After the specified time has passed, the offerer can decide to reject or accept the applicant (or mark them as not showing up).

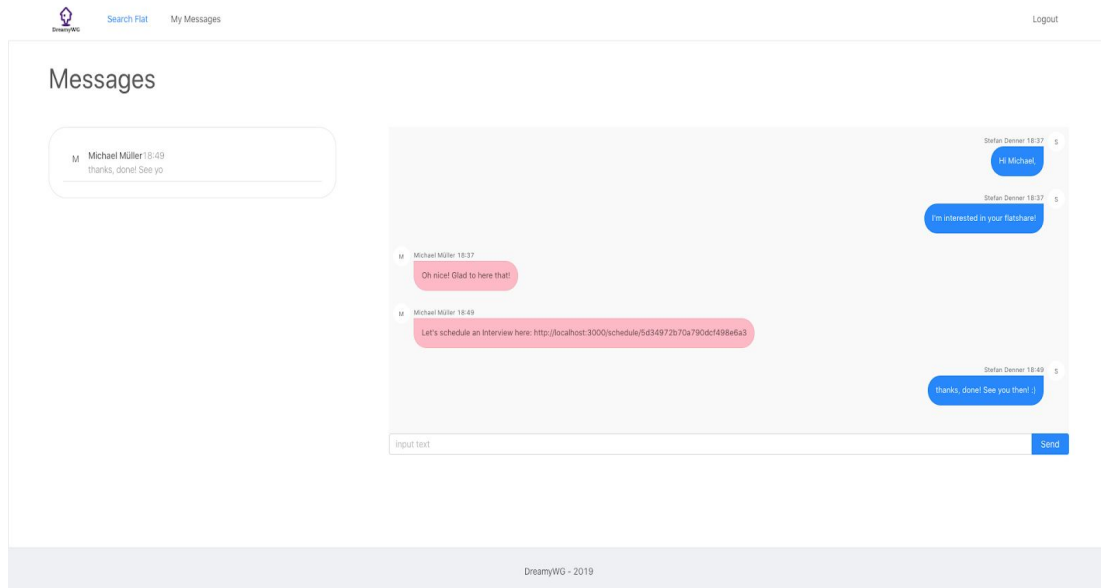
My Flat Offer

Viewing Schedule on July 19th 2019

Start Time	End Time	
05:11	05:41	<div><input type="button" value="Book Schedule"/> <input type="button" value="Cancel Schedule"/></div>
05:41	06:11	<div><input type="button" value="Book Schedule"/></div>
06:11	06:41	<div><input type="button" value="Book Schedule"/></div>
06:41	07:11	<div><input type="button" value="Book Schedule"/></div>

The offerer can share the timeslot page by clicking 'SHARE SCHEDULE' button. Then seeker can follow the link and the time slots are going to be displayed on the flat seeker page, where flat seeker later can pick the most suitable interview time slot for them, or cancel a previous appointment.

4. In-Platform Messaging





Using our in-platform messaging, matched flat seeker and flat offerer can send direct messages between each other. The seeker can start a chat with a flat offerer by clicking the 'interested' button on the flat offerers' flat details page. This in-platform messaging runs in realtime using socket.io. However, sent messages are persisted in the database so that they can be retrieved anytime.

5. Additional implemented use cases

During our development process, we realized that there are some parts required for a good user experience which were not part of our four specified use cases. Those will be elaborated here.

a. Registration process

We do of course know that the standard registration process itself is not a use case that is specific to our application but we provide some additional functionality which highlights our registration process from the standard one. We will focus here only on the differences. Our registration process exists out of three steps. The first one is just the providing of email and password, so we will neglect this and start here with the second step.



Credentials

General Info

Verification

* First Name :

* Last Name :

Gender:

* Date of Birth:

* Phone:

Submit

DreamyWG - 2019

In this subpage, the user has to provide general information about him-/herself. We will later use his/her name to show it to the other party.

Credentials

General Info

Verification

Registered successfully

Please check your Mails to verify your account

OAuth with Social media

To build trust, you can additionally verify your account with your social media profile.

[Verify via Facebook](#)[Verify via LinkedIn](#)

Login

You can of course also directly proceed to login.

[Go to Login](#)

DreamyWG - 2019

In the third step of the registration process, the user can verify his/her account with social media. We use OAuth 2.0 for this and offer the verification with Facebook and LinkedIn. By social media verification, the user can increase the trust of other users in him/her.

b. Scam protection

After the user finished the second step of the registration process, we will send him/her a verification email, so that the user can confirm his account. The email verification is mandatory to login, i.e. if the user hasn't verified his/her account, he/she cannot login.

Account Confirmation

Successfully verified your account.

[Go to Login](#)


DreamyWG - 2019

The above page will be shown if the user has successfully confirmed/verified his/her account.


c. Flat Details

Even though it's not one of our main use cases, the Flat Detail page is a necessary component we had to create in order to achieve a smooth user journey. Within the flat details page, we have several main components which are required by the user to interact with our application properly.

- The 'About' subpage is an informational page containing the necessary details of a flat such as images, locations, facilities, description and available rooms. In this page, a seeker can message the offerer by clicking the interested button in Available Rooms.

 My Flat Offer Logout

[About](#) [Residents](#) [Messages](#) [Interviews](#)



Available Rooms

Room Price : 700 EUR


Available from 01. Juni 2019 - 31. August 2019


This room is not furnished. The room size is 20. This is a limited rental period. Please consult with flat owner for more details.

Awesome Flatshare mixed

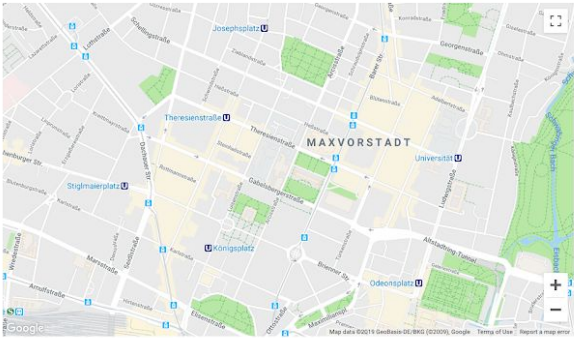
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Equipments

 internet

 washingMachine

Location



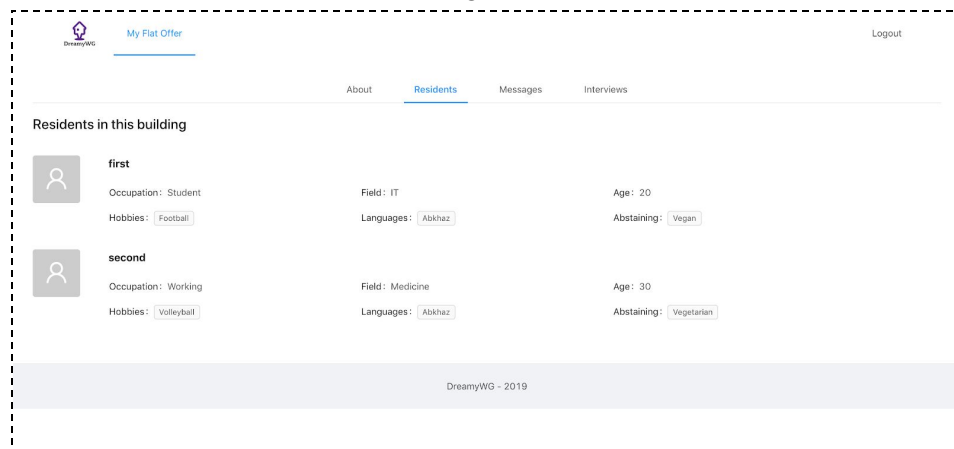
Nearby Store

- Lidl
- Edeka
- Norma

Nearby Station

- Arcisstraße, München
- Hauptbahnhof, München

- The 'Residents' subpage is also an informational page containing the details of future flatmates living in the same flatshare



- The Messages subpage is only available for flat offerer within this tab. Flatseekers use the main navigation. The functionality is the same.
- Interviews (only available for flat offerer) is a section to manage all interview schedule and applicants status like described in 3.