

A screenshot of a code editor with a dark theme. The file name 'sidebarComponent.svelte' is visible in the top left. The code is a Svelte component that imports 'sidebarController' from './sidebarController', 'mementoes' from '../store.js', and './sidebar.scss'. It features a Svelte component with a class 'sidebar' containing a button 'add-memento' and a list 'mementoes'. The list is populated using a Svelte loop over the 'mementoes' array, with each item having a class 'memento-item' and an 'on:click' event that calls 'sidebarController.select' with 'memento.title'.

```
import sidebarController from './sidebarController'
import mementoes from '../store.js'
import './sidebar.scss'

<script>

</script>

<div class="sidebar">
  <button class="add-memento" on:click=sidebarController
  <ul class="mementoes">
    {#each $mementoes as memento}
      <li class="memento-item" class:active=memento
        on:click={() => sidebarController.select
          {memento.title}
      </li>
    {/each}
  </ul>
</div>
```

# Lanex

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## DESIGN SPECIFICATION

Team 5C:

Morad Elfleet - 2465064E

Zhaohan Meng - 2582280M

Juraj Bublinec - 2482963B

WAD2 GROUP PROJECT

# Overview

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- A web application that enables users to connect with one another to exchange languages, helping to improve language knowledge and allow users to create new language buddies along the way
- Users are able to set up language requests based on their languages of interest and preferred locations
- Request can be anything related to language learning: request to meet, have a online chat, join a study group, get recommendation, find a teacher etc.
- Users have the ability to accept language requests created by other users to take part in language-related activities
- Users are granted the facility to make comments on language requests
- Users are provided with a search feature to make it easier to find language requests better geared towards their preferences



## User Personas - Roberto

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Roberto is a 24 year old software engineering graduate from Spain who had studied some of the French language during his first two years at university. He is very passionate about the French language and its culture and really enjoys learning foreign languages. To keep his French skills fresh, Roberto spends a lot of his free time during the weekends watching series in French, reading French novels and writing letters to his former French teacher to ask for some feedback or input on a French short-story they hope to publish one day. While Roberto feels rather confident in his ability to read and write in French, and is happy with his fellow software engineering friends at work, along with the support he gets from his often-busy former teacher, he finds it difficult to find someone to practice speaking in French with regularly and who also shares a mutual deep fondness for learning languages. Since Roberto already knows Spanish, he is more than delighted to help a French peer out and thus he hopes to discover an application which allows him to find suitable language partners to meet and share languages with, as well as have an enjoyable time while doing so.



# User Personas - Fang

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Fang is a 43 old native from Japan. She recently moved to Edinburgh with her husband and two children. At the moment, only her husband works and, with her young children at school for long hours of the day, Fang finds herself left alone with not much to do. Given that she used to study English at school and she would always do well in her tests in the subject, Fang considers herself fluent in understanding native English speakers. However, she is aware that at times that, because she learned English in Japan, her pronunciation and accent can sometimes be tricky for other English speakers to comprehend. Even though Fang is surrounded by natives, she normally feels shy and embarrassed to talk due to her timid personality. As she used to work formerly in Japan as a Japanese teacher, Fang is eager to share her language and teach about her culture to anyone interested that lives nearby to her in exchange for some time to practice and improve her English pronunciation. Fang's ideal partner is someone who is in a similar situation to her own: a mother of a similar age that spends most of her time at home, and who desires to make a close friend. This way, they can get more out of their time, learn together and hopefully even make visits to one another and provide a taste of their favourite traditional cuisines while enhancing their language capacities through conversing.



## User Personas - David

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David is in his 50's and currently works as a senior advisor at his workplace. For most of his weeks, he is preoccupied managing various affairs related to his job and doesn't find enough time to practice his small language hobby. As he grows older, he reflects on retiring soon to live in a comfy little apartment with his wife as their children have already graduated and started to work. Also, David likes Ted talks and after watching one such talk about how learning languages can be a very healthy activity for the mind, helping to reduce age-related illnesses, he is considering looking for an old couple just like him and his wife who will have a lot more time for themselves after retirement to explore some of the world through travelling, tasting the different cuisines offered by different cultures and all the while learning some languages. Although David's Spanish is at a basic level and his wife has never tried to learn foreign languages, the two of them would be content to find like-minded individuals who aren't afraid to try out new experiences and make long-lasting friendships along the way. And even if they may not master the foreign languages they try to learn, their main goal at the end of the day is to have fun while learning.



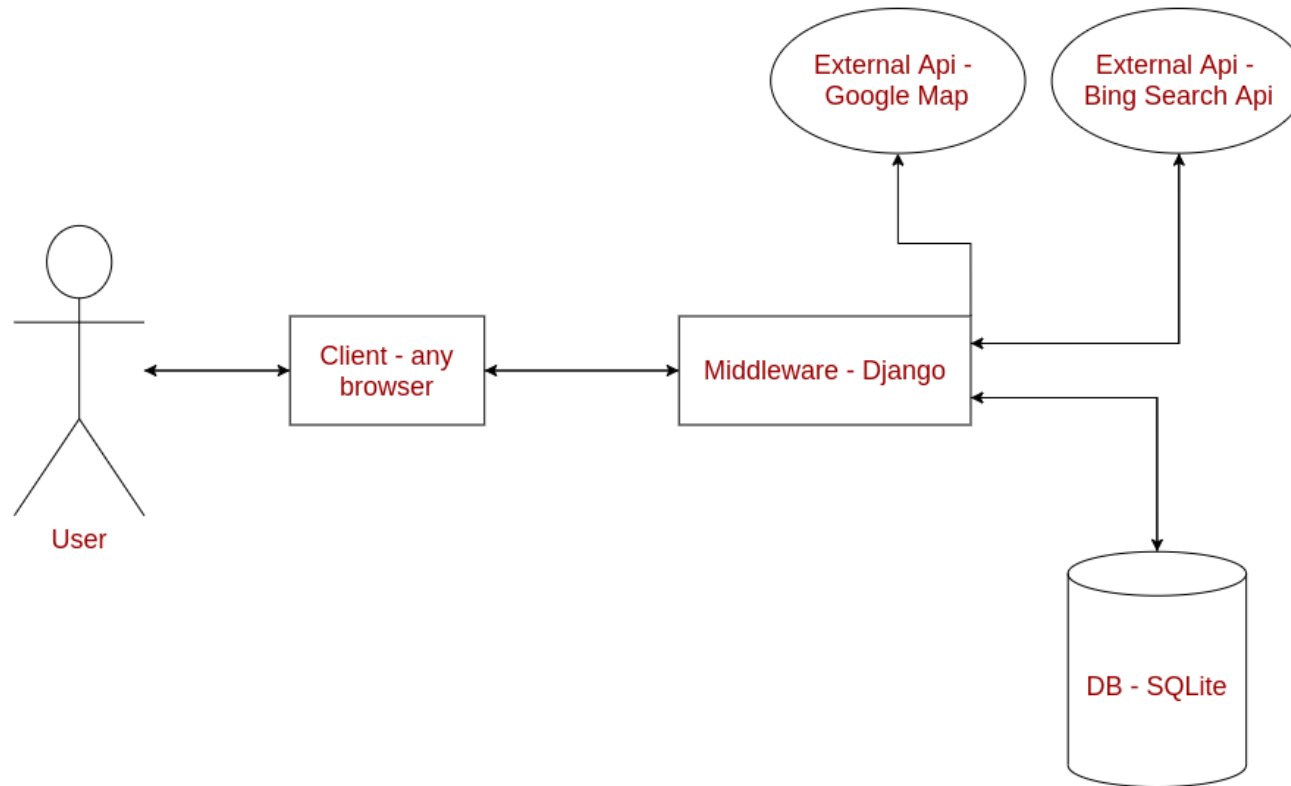
# Specification - requirements

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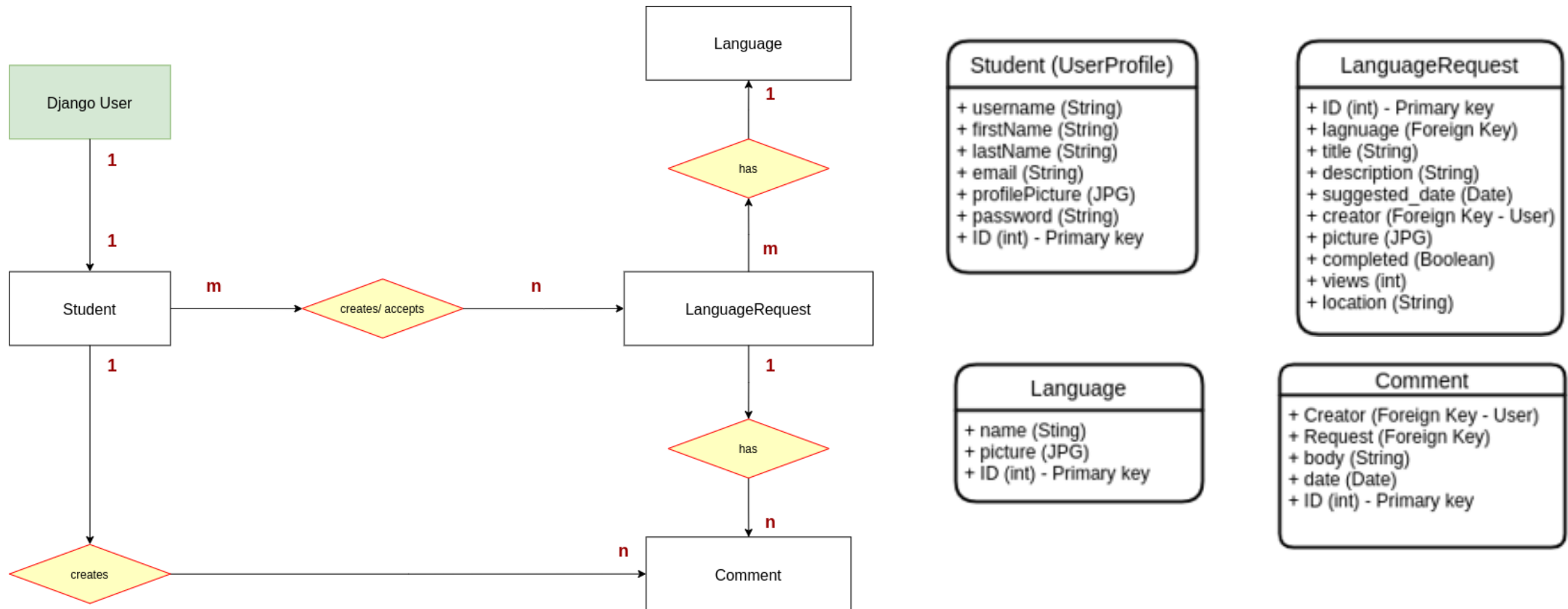
- Users should be able to sign in or register to create an account to create language requests or accept other users' requests
- Registered users should be able to make comments about requests
- Guest users should be able to view language requests but not create their own ones or add comments to requests until they register
- Users should be able to find more about the site through an about page, as well as a page to explore language requests and an exclusive search page to help filter results
- Users should be welcomed at the homepage and be provided with a simple introduction to the site, along with a reference of the sort of languages available to practice, and what are some of the most recent requests made by users
- Users should be able to search requests based on language and location
- Registered users should be provided with a settings page to customise features such as profile image and name
- Users should find it simple and easy to navigate through the site as the site should be internally and externally consistent in design to be more user-friendly for new users of the site
- Users should be able to delete their account

# System Architecture Diagram

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# ER Diagram





# Wireframes

# Authentication

Lanex Home About Explore Search Login

Register Here

Username

(Helper text mentioning what constitutes an appropriate username)

Email Address

Password

(Helper text mentioning what constitutes an appropriate password)

Confirm Password

REGISTER HERE

About Privacy Terms and Conditions

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Lanex Home About Explore Search Login

Login

Username

Password

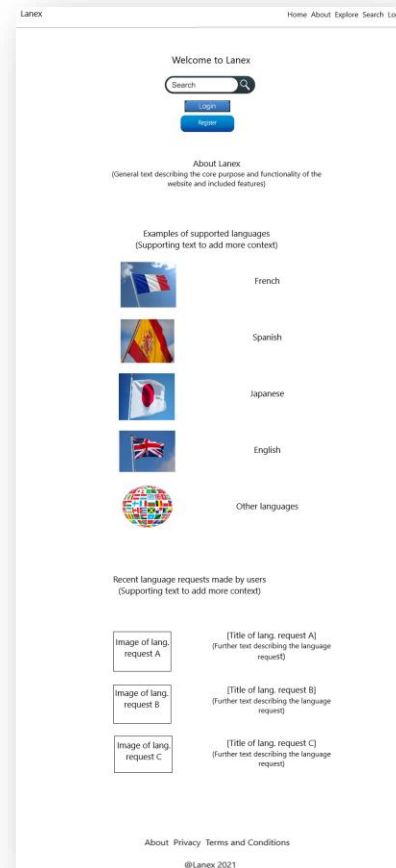
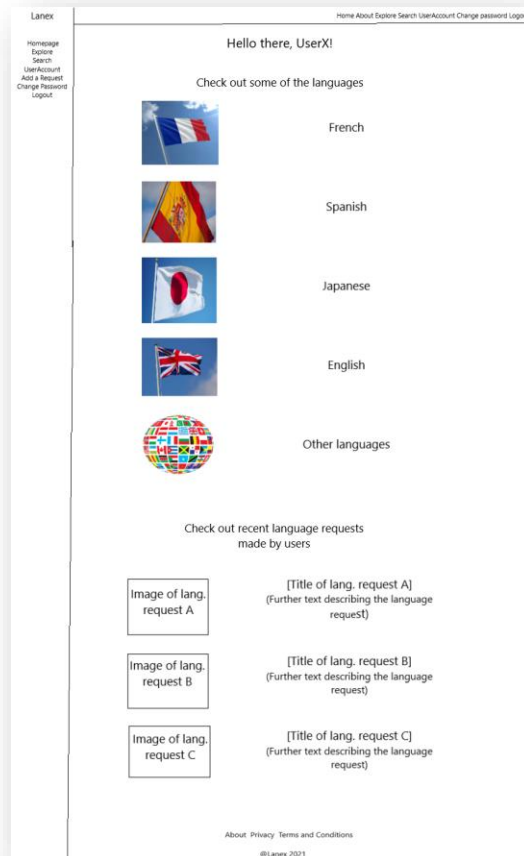
SIGN IN

REGISTER HERE

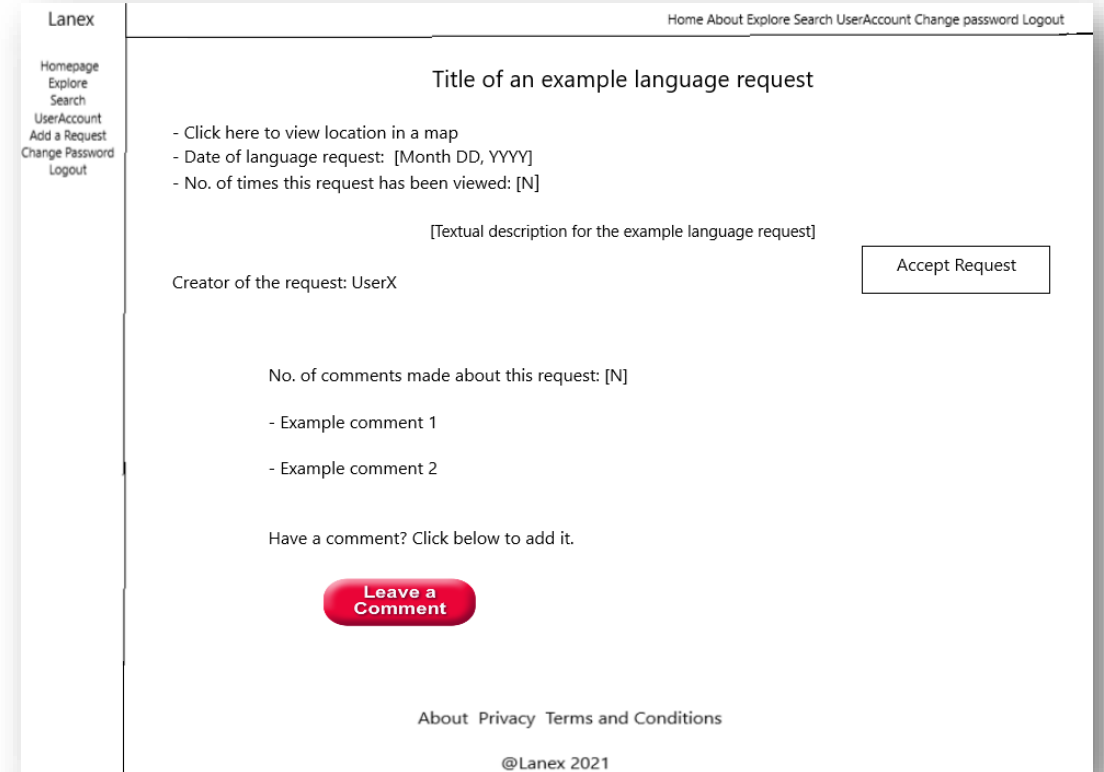
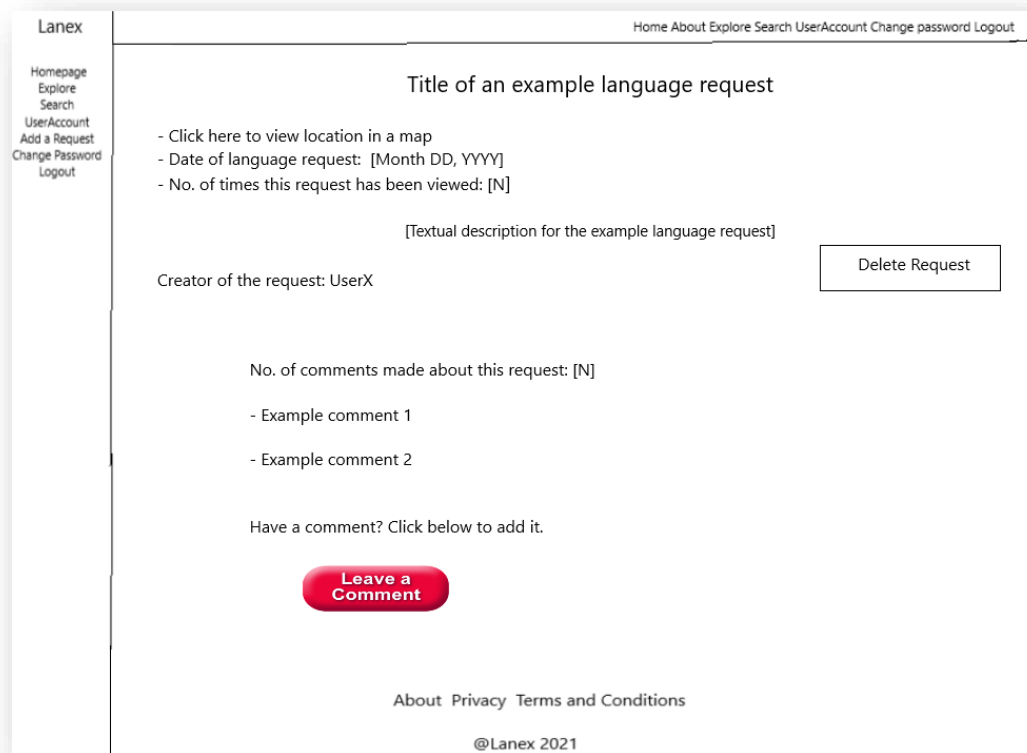
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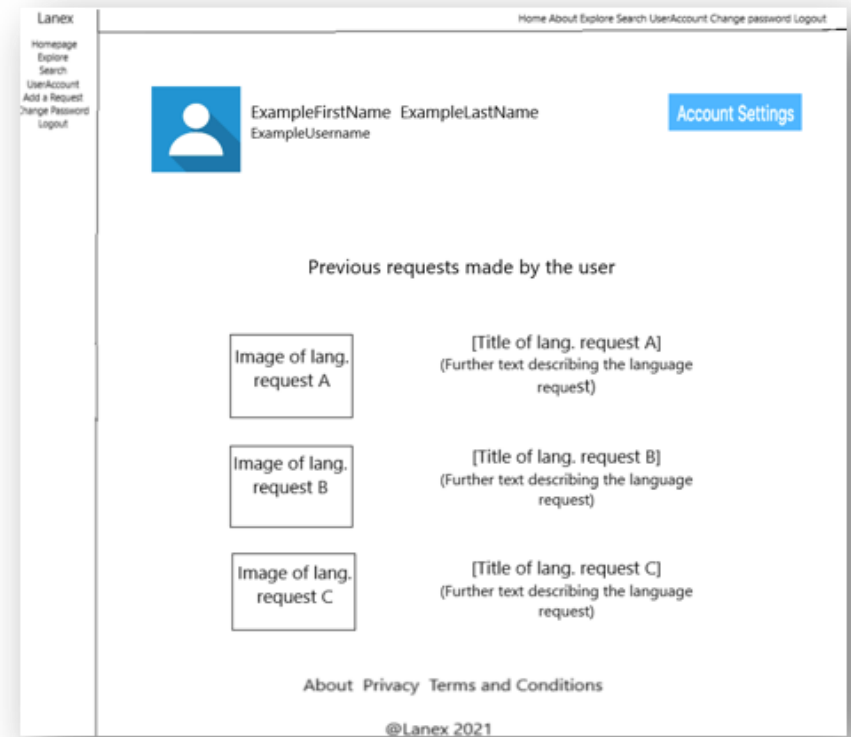
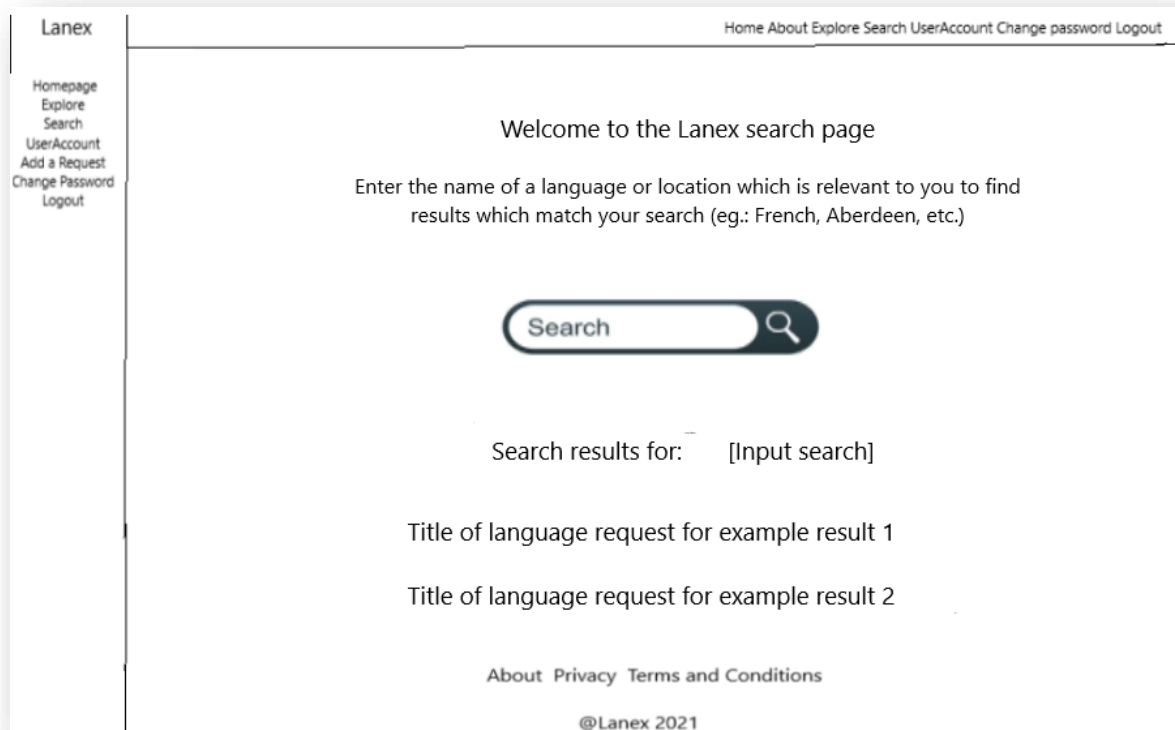
# Homepage



# Request Page



# Search Page, User Profile



# Walkthrough – site map

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