



# Translator Hub



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# Description

In our global world, people are learning and interacting with different languages more than ever before. Some people need resources for simple translating, while others need certified translators for official documents. People learning new languages benefit from interacting with native speakers to improve their language skills. Regardless of the reason, our app pairs users with native speakers to utilize their language skills.

# Features

- Prospective translators can create profiles
- Translation service user can register
- User can view translators profiles
- User can search translators by language
- View a list of available translators
- Translator can create and update his profile
- Administrator access to manage profiles (Authorization)
- Admin can edit and delete translators and users account

# USER STORIES

As a **USER**, I can:

- register and log into the translation website so that I can access the service there.
- view the translator's list and each detail credentials so as to select the appropriate one
- Logout

As a **TRANSLATOR**, I can:

- register, log and create a profile so that users can see the services I offer.
- edit my profile so that my profile is always updated.
- Logout

As an **ADMINISTRATOR**, I can:

- edit and delete the translators information and the services each provide and the processes (including time frame considering document type and size).
- Logout

# Planning - DB and Models

**Model classes:** Translator, User and Language

**Database:** MySQL database server

- “thehub” **schema**(database)
- **6 tables:** User, translator, languages and 3 Spring Security Tables (role, user\_role, persistent\_logins)
- Relationships:
  - Many to many: role, user\_role, and persistent\_logins
  - One to Many: Role and user\_role, user\_role

**Next Steps:** Create relationship between domain tables.

# Technology Stack

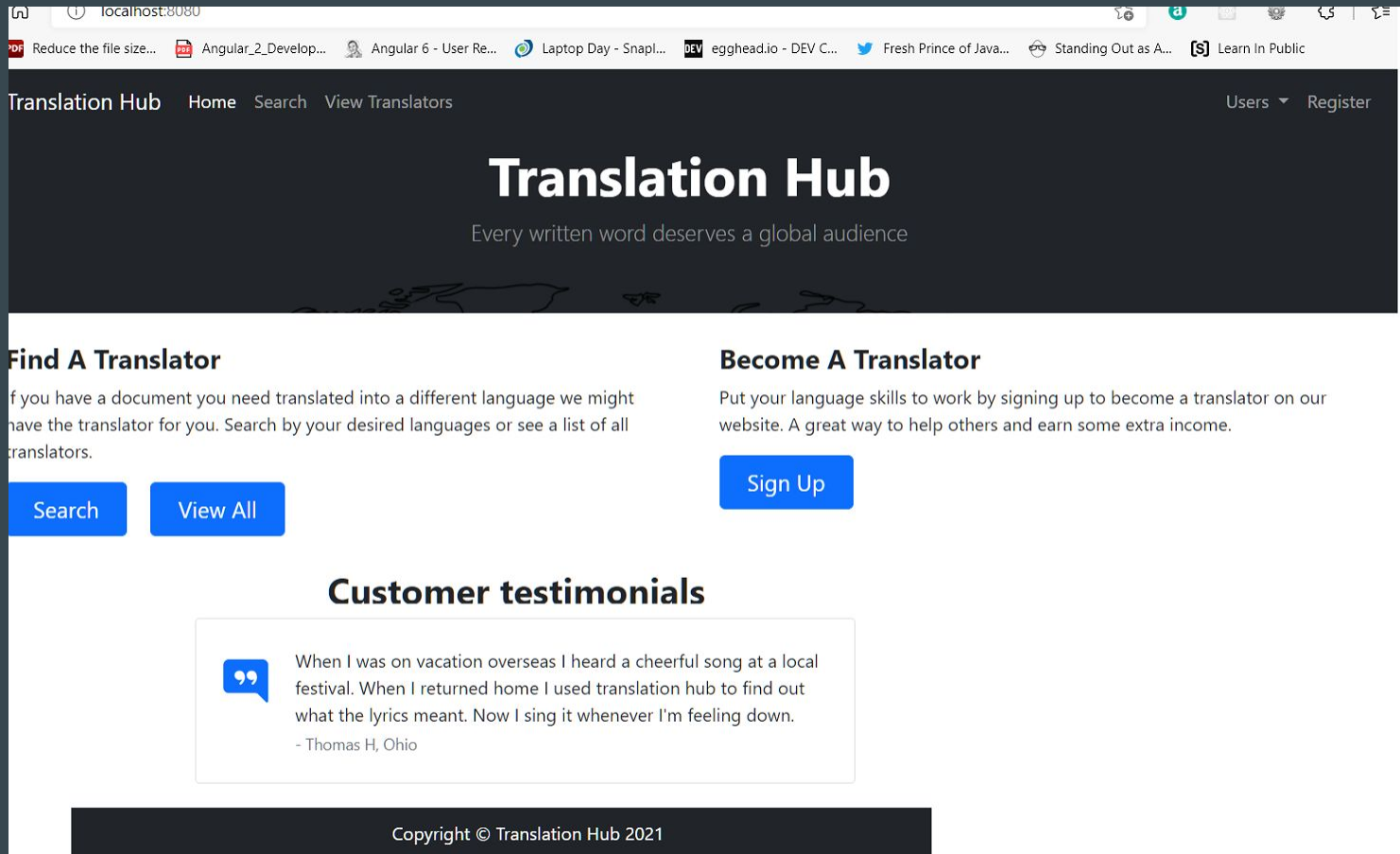
## Stack

- Java Spring boot Web MVC for the web layer
- Spring Boot
- MySQL database
- Spring Data JPA with Hibernate for ORM and the data access layer
- Spring security for authentication, authorization and logout
- Thymeleaf as templates engines
- Bootstrap for responsive user interface

## Software

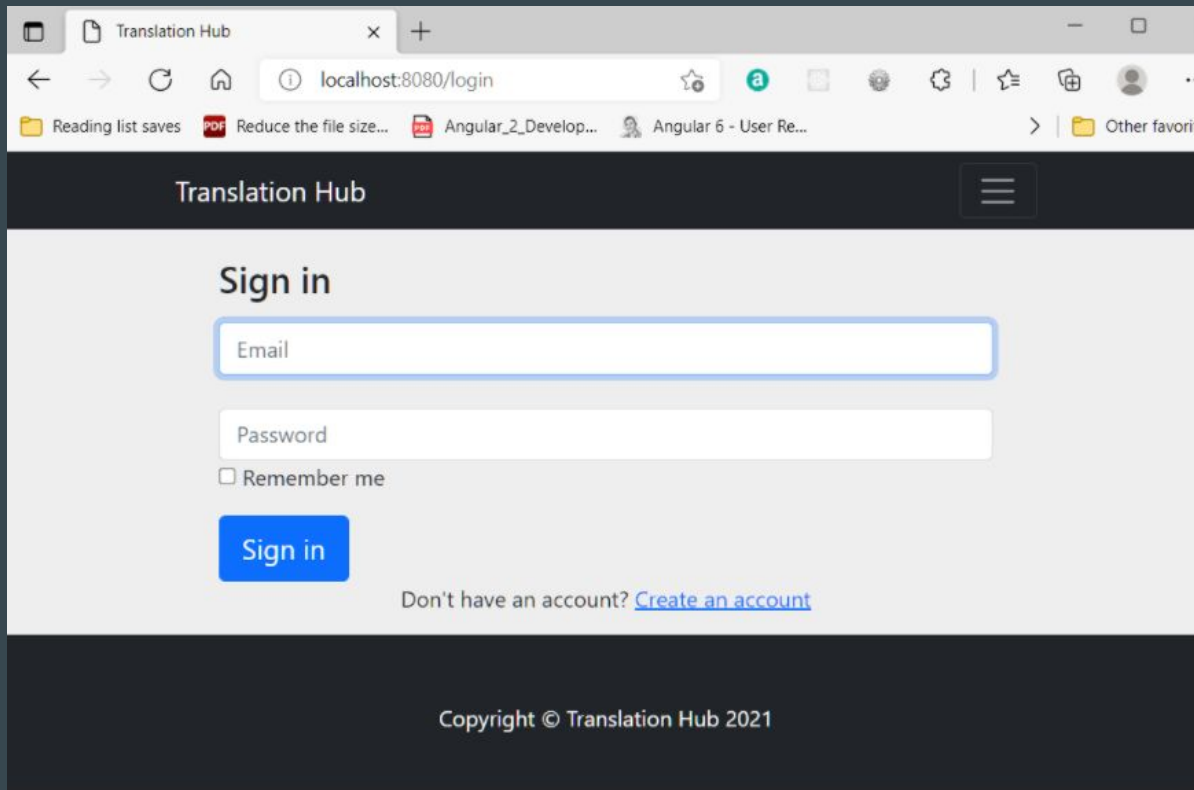
- Java development kit(JDK)
- IntelliJ IDEA Community edition 2021.2.1
- MySQL Workbench 8.0 CE

# Demo home page





# Demo login



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/login'. The page title is 'Translation Hub'. The main content area has a dark header with the text 'Translation Hub' and a hamburger menu icon. Below the header, the title 'Sign in' is centered. There are two input fields: 'Email' and 'Password'. Below the 'Password' field is a checkbox labeled 'Remember me'. A blue 'Sign in' button is positioned below the checkbox. At the bottom of the form area, there is a link that says 'Don't have an account? [Create an account](#)'. The footer of the page is dark and contains the text 'Copyright © Translation Hub 2021'.

Translation Hub

## Sign in

Email

Password

☐ Remember me

Sign in

Don't have an account? [Create an account](#)

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# Demo admin panel

Translation Hub

HomeSearchView Translators

AdminLog Out til@ass!

All TranslatorsRegister Translator

All Translators

Name

<a href="#">Rachel</a>	Edit	Delete
<a href="#">Keven</a>	Edit	Delete
<a href="#">Alen</a>	Edit	Delete
<a href="#">Amir</a>	Edit	Delete
<a href="#">Maria</a>	Edit	Delete
<a href="#">Belon</a>	Edit	Delete
<a href="#">Marlot</a>	Edit	Delete

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# Translator profile view

Translation Hub

localhost:8080/admin/translator/Detail?translatorId=11

Reading list saves Reduce the file size... Angular\_2\_Develop... Angular 6 - User Re... Laptop Day - Snapl... egghead.io - DEV C... Fresh Prince of Java... Standing Out as A... Learn In Public Other favorites


Translation Hub

Home Search View Translators

Admin Log Out til@ass!

All Translators Register Translator

## Marlot Details



Dutch

**Marlot Haber**  
Amsterdam  
vom@gmail.com

Teach language at university

f

in

G

Message

Contact

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# Translator profile edit form view

Translation Hub

HomeSearchView Translators

AdminLog Out til@ass!

[All Translators](#)[Register Translator](#)

## Edit Marlot detail

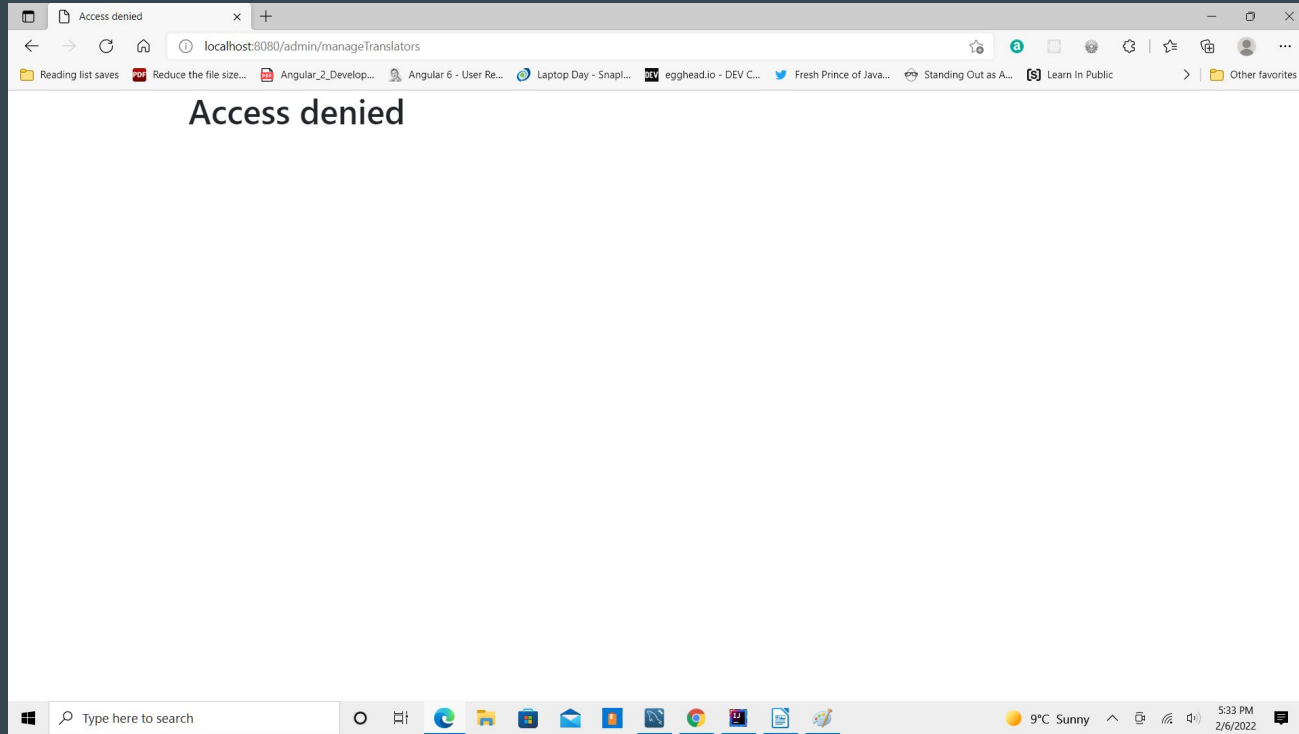
First Name	<input type="text" value="Marlot"/>
Last Name	<input type="text" value="Haber"/>
Email	<input type="text" value="vom@gmail.com"/>
Languages to Translate	<input type="text" value="Dutch"/>
Biography	<input type="text" value="Teach language at university"/>
Address	<input type="text" value="Amsterdam"/>
Upload Photo	<div>Choose FileNo file chosen</div>

Upload your photo. Max file size 1 MB

Update

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# Access denied view/ Not authorized access attempt response view



# What I Learned

Java Spring boot relational mapping

Java spring boot security configuration

Uploading images and files

Organizing endpoints controllers

Authentication and authorization by roles

# What's Next

- Translation service order feature that manage each customer order
- Ability to provide online payment options between users
- Private messaging and telephone service capability
- Cloud deployment
- CI/CD Pipeline