

Translator Hub



Presentation

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
- Administrator access to manage profiles (Authorization)
- Admin can edit and delete translators and users account

Planning - User Stories

As a user, I can register and log into the translation website so that I can access the service there.

As a user, I can view the translator's list and each detail credentials so as to select the appropriate one.

As a user, translator and admin, I can log out of the translation site so that no one except me can access my respective activities.

As a translator, I can register, log and create a profile so that users can see the services I offer.

As a translator, I can edit my profile so that my profile is always updated.

As an admin, I can edit and delete the translators information and the services each provide and the processes (including time frame considering document type and size).

Planning - DB and Models

Model classes are Translator, User and Language

Database: we use MySQL database server

We have “thehub” schema(database) and 6 tables. User, translator, languages and the others 3 tables are related to spring security. They are role, user_role and persistent_logins tables. role and user tables have many to many relationship and bridged by user_role table. Role and user_role have one to many relationship and user and user_role have also one to many relationship.

Currently we have not created relation between domain tables.

Technology 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

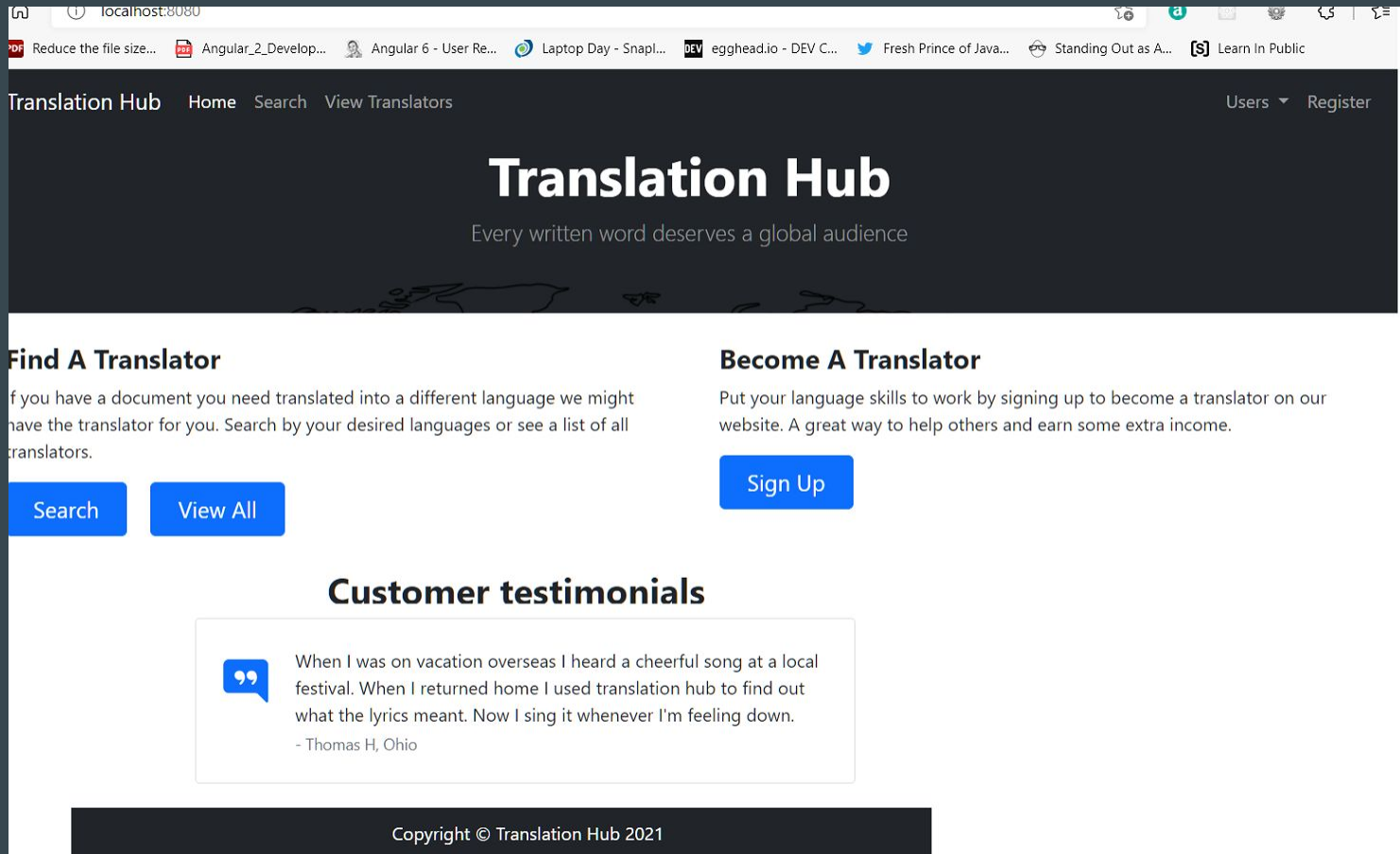
Softwares

Java development kit(JDK)

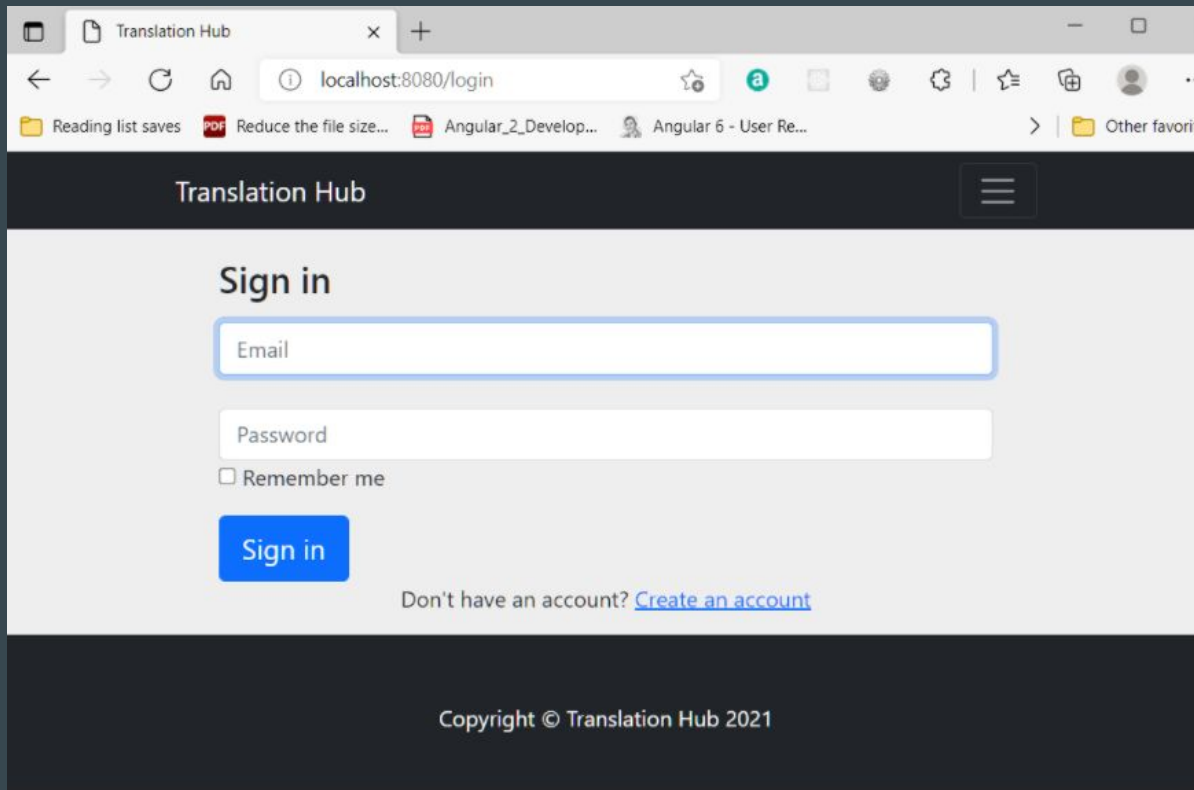
IntelliJ IDEA Community edition 2021.2.1

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 has a dark header with the text 'Translation Hub' and a hamburger menu icon. The main content area is light gray and contains a 'Sign in' section. This section includes an 'Email' input field with a blue border, a 'Password' input field, and a 'Remember me' checkbox. Below these is a blue 'Sign in' button. At the bottom of the sign-in section, there is a link that says 'Don't have an account? [Create an account](#)'. The footer is a dark bar with 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

Rachel	Edit	Delete
Keven	Edit	Delete
Alen	Edit	Delete
Amir	Edit	Delete
Maria	Edit	Delete
Belon	Edit	Delete
Marlot	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

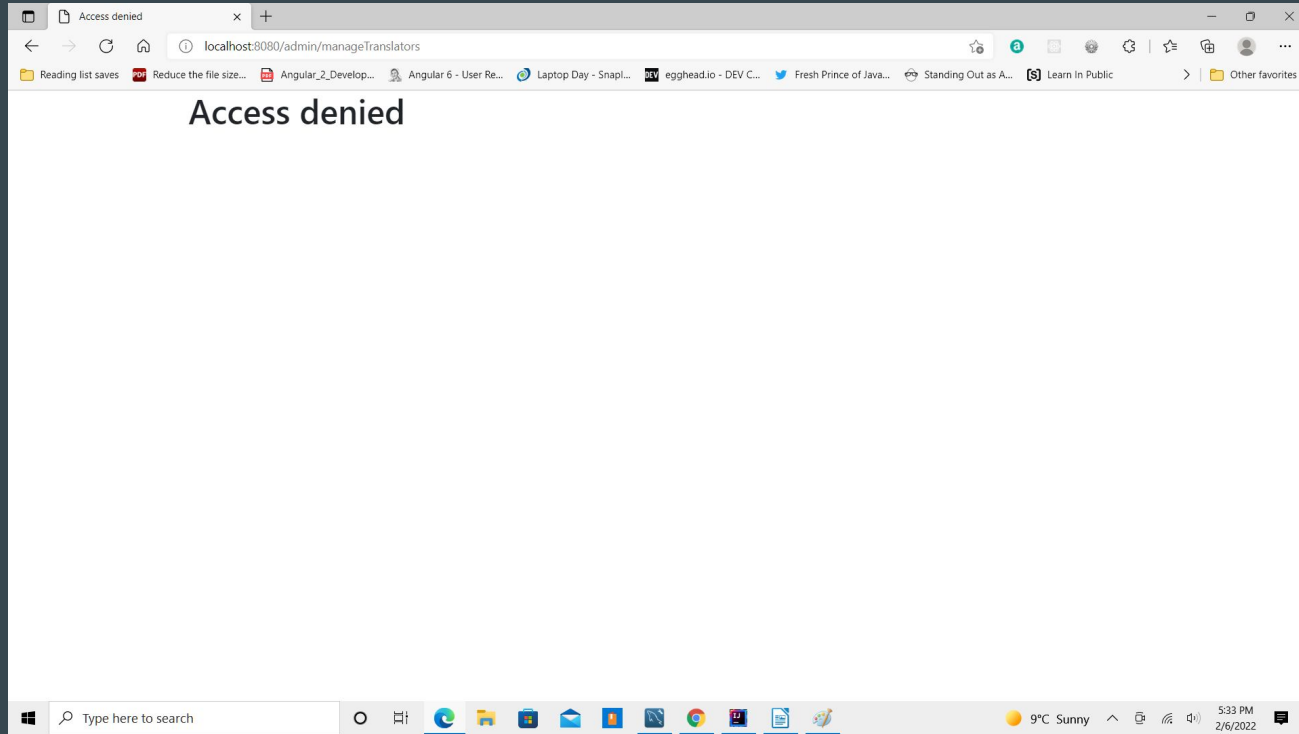
First Name	<input type="text" value="Marlot"/>
Last Name	<input type="text" value="Haber"/>
Email	<input type="text" value="vom@gmail.com"/>
Languages to Translate	<input type="text" value="Dutch"/>
Biography	<input type="text" value="Teach language at university"/>
Address	<input type="text" value="Amsterdam"/>
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 for service
- Ability to provide online payment options between users
- Private messaging and telephone service capability
- Cloud deployment
- CI/CD Pipeline