



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

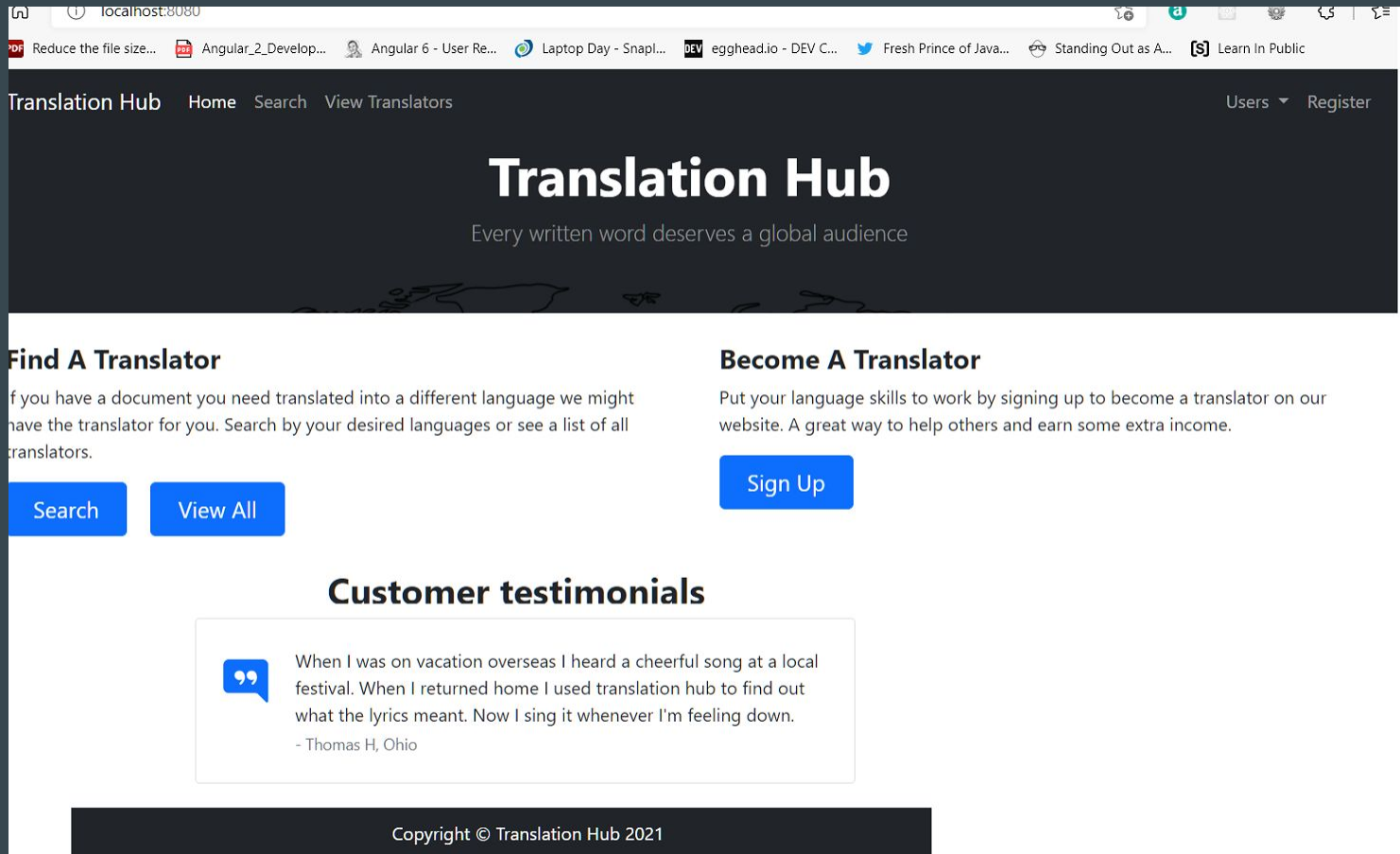
Stack

- 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

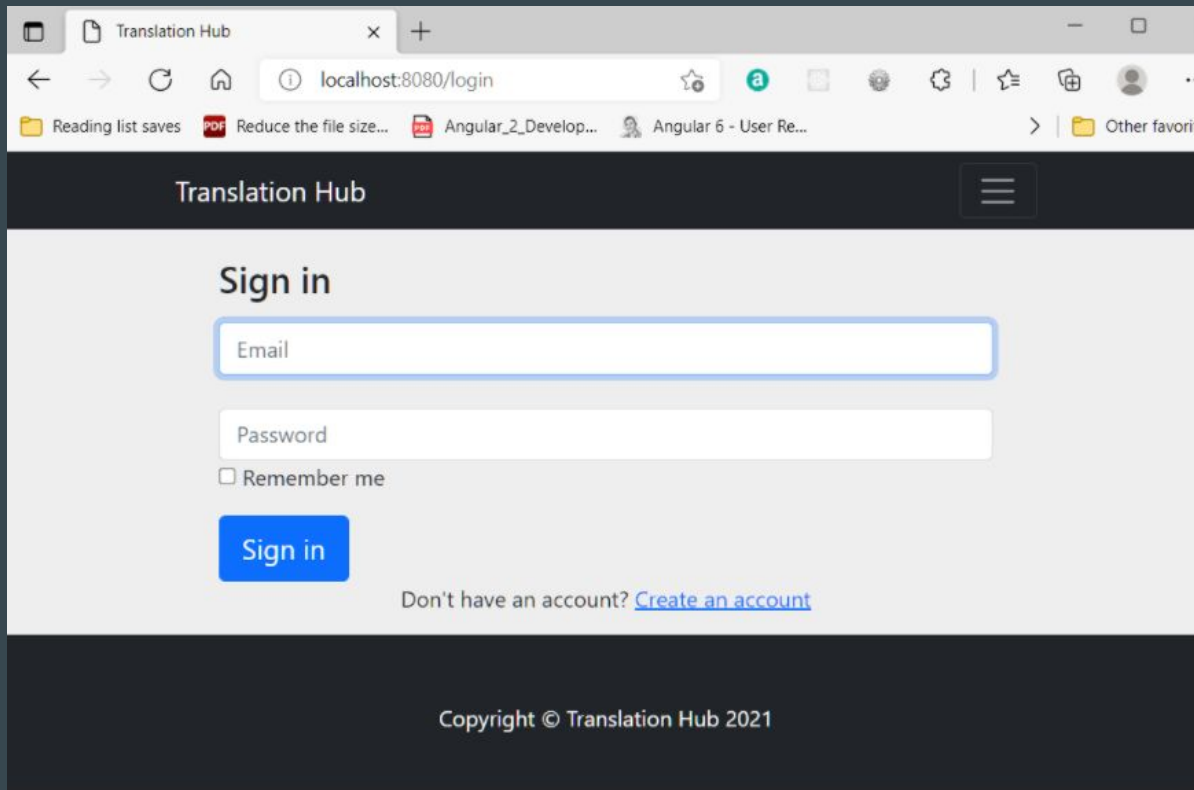
Software

- 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 title "Translation Hub". The address bar displays "localhost:8080/login". The browser's bookmark bar includes "Reading list saves", "Reduce the file size...", "Angular_2_Develop...", "Angular 6 - User Re...", and "Other favori...". The page content features a dark header with the "Translation Hub" logo and a hamburger menu icon. Below the header, the "Sign in" section contains an "Email" input field, a "Password" input field, a "Remember me" checkbox, and a blue "Sign in" button. A link for "Create an account" is provided for users without an account. The footer displays the copyright notice "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

Message

Contact

Translator profile edit form view

Translation Hub

HomeSearchView Translators


AdminLog Out til@ass!

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

Edit Marlot detail

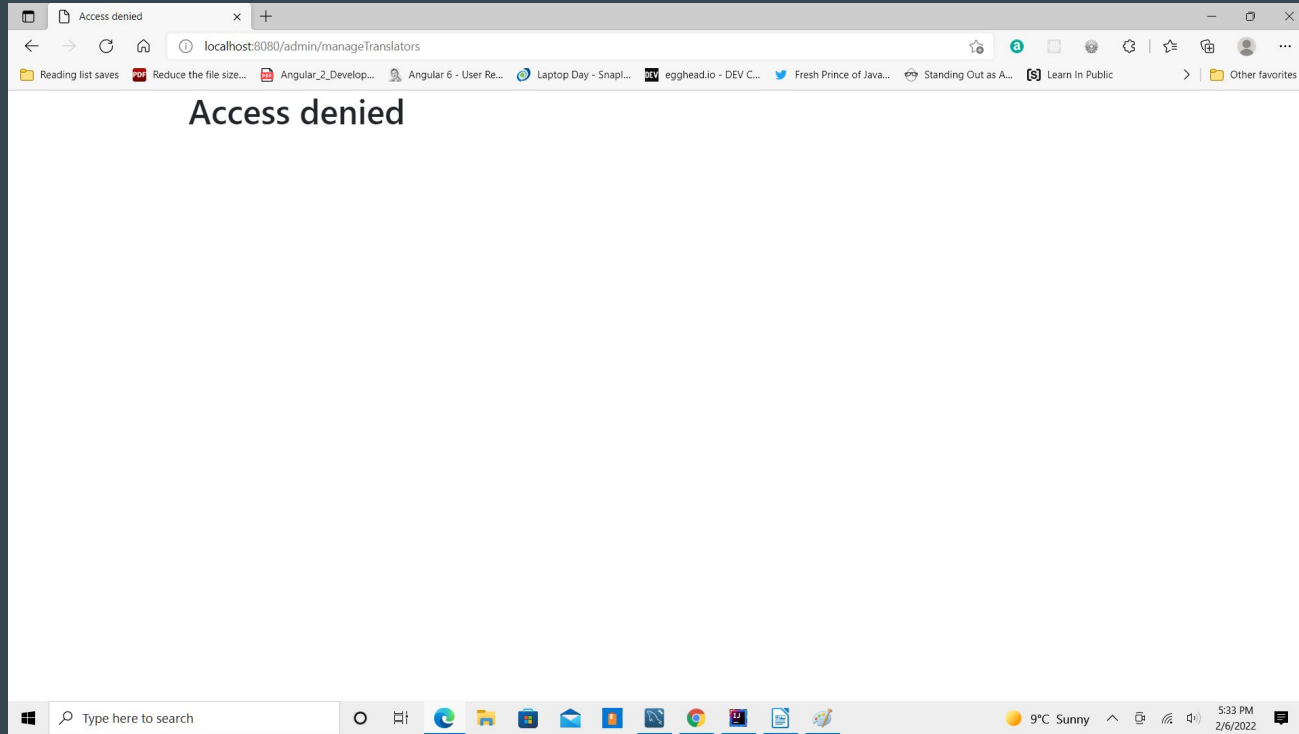
First Name	<input type="text" value="Marlot"/>
Last Name	<input type="text" value="Haber"/>
Email	<input type="text" value="vom@gmail.com"/>
Languages to Translate	<input type="text" value="Dutch"/>
Biography	<input type="text" value="Teach language at university"/>
Address	<input type="text" value="Amsterdam"/>
Upload Photo	<div><input type="button" value="Choose File"/> <input type="button" value="No 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