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 oned
- 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_rolerole, user_role

Next Steps: Create relationship between domain tables.

Technology Stack

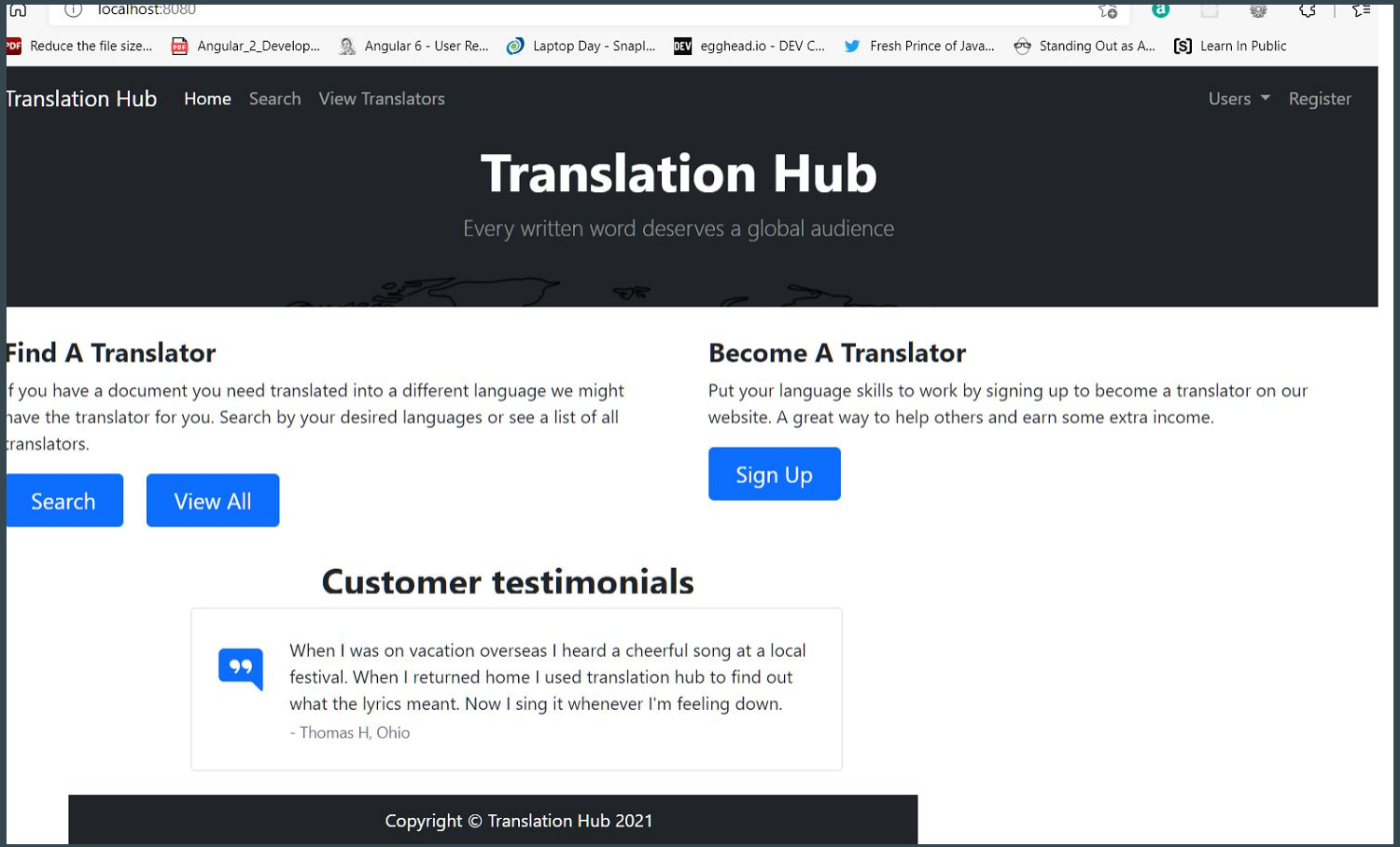
Stack

- 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

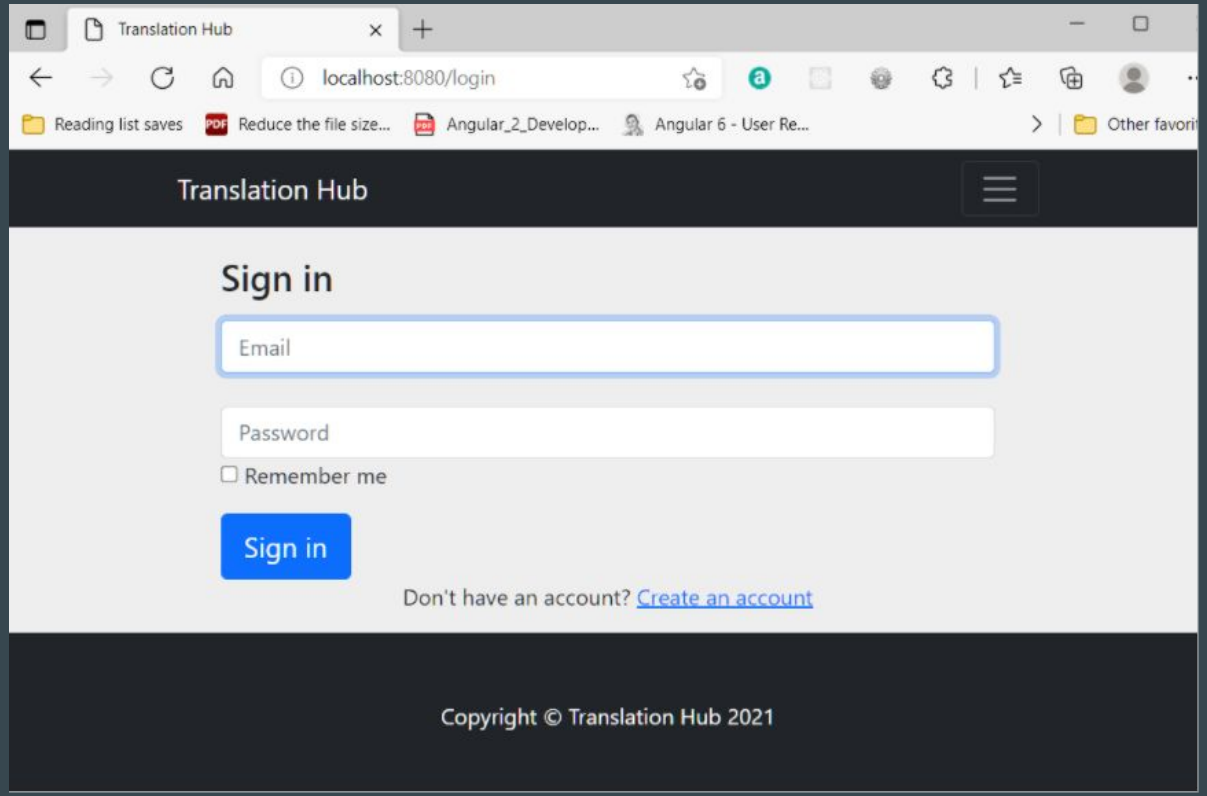
Software

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

Demo home page



Demo login


Translation Hub
localhost:8080/login
Reading list saves
Reduce the file size...
Angular_2_Develop...
Angular 6 - User Re...
Other favori
Translation Hub
Sign in
Email
Password
Remember me
Sign in
Don't have an account? Create an account
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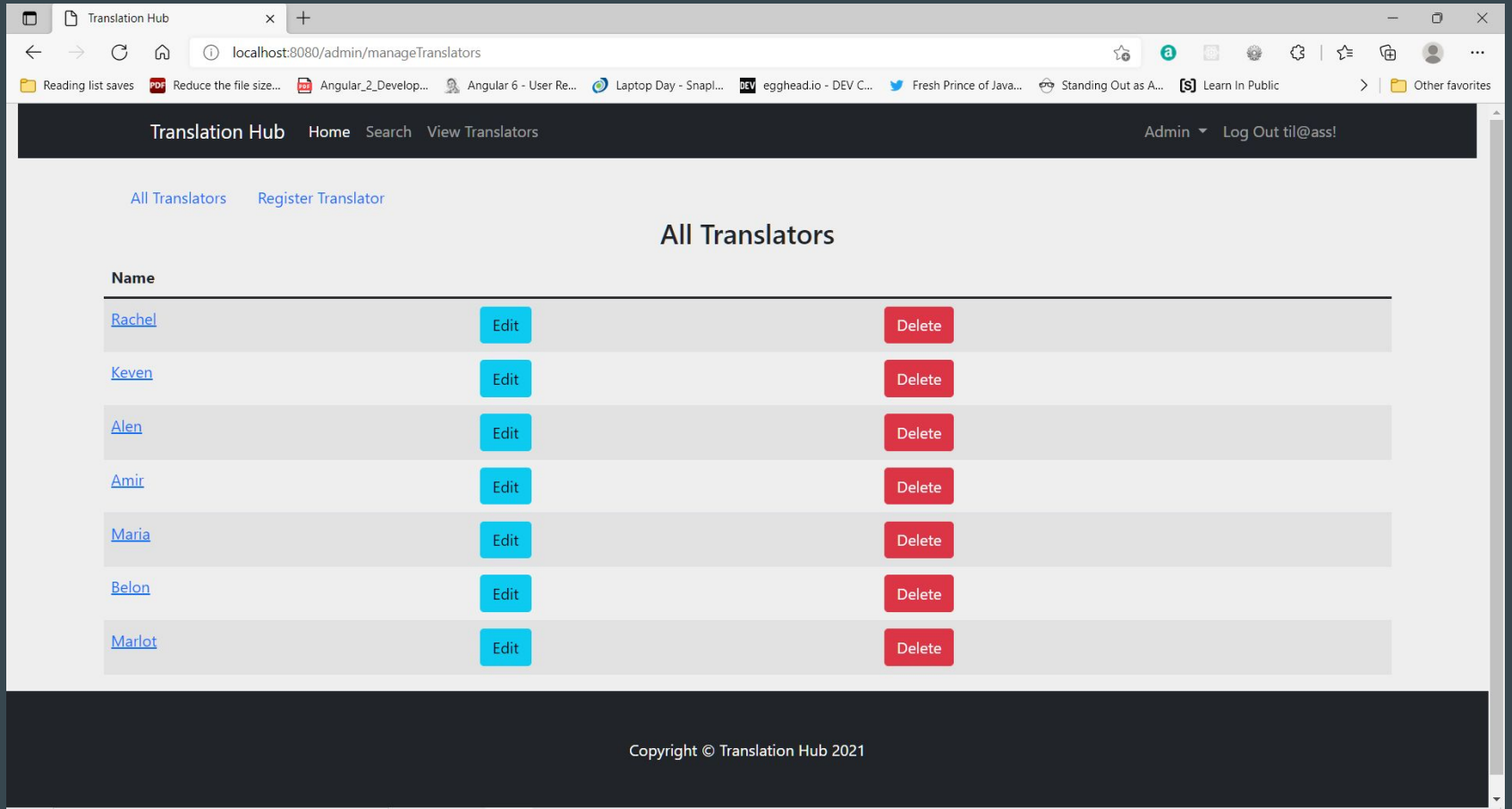
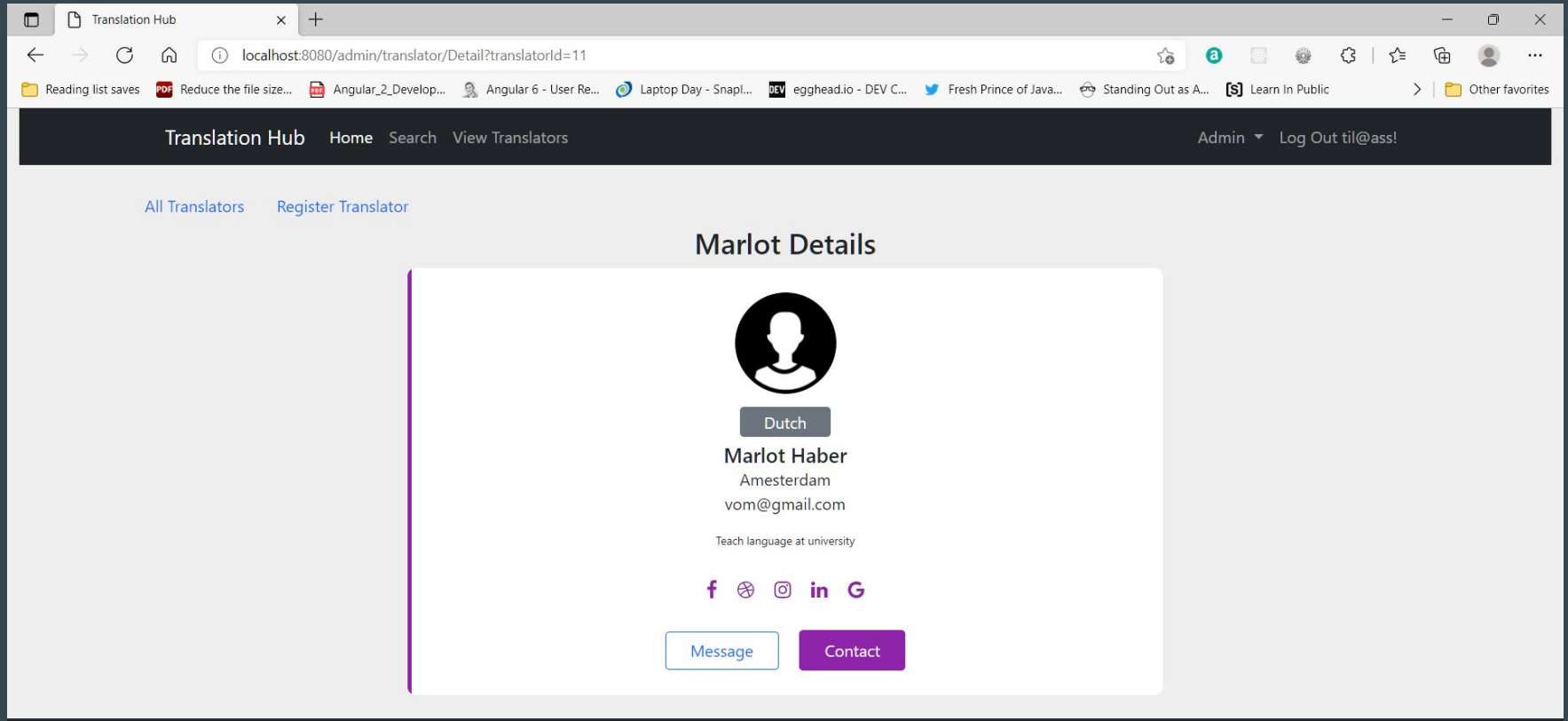
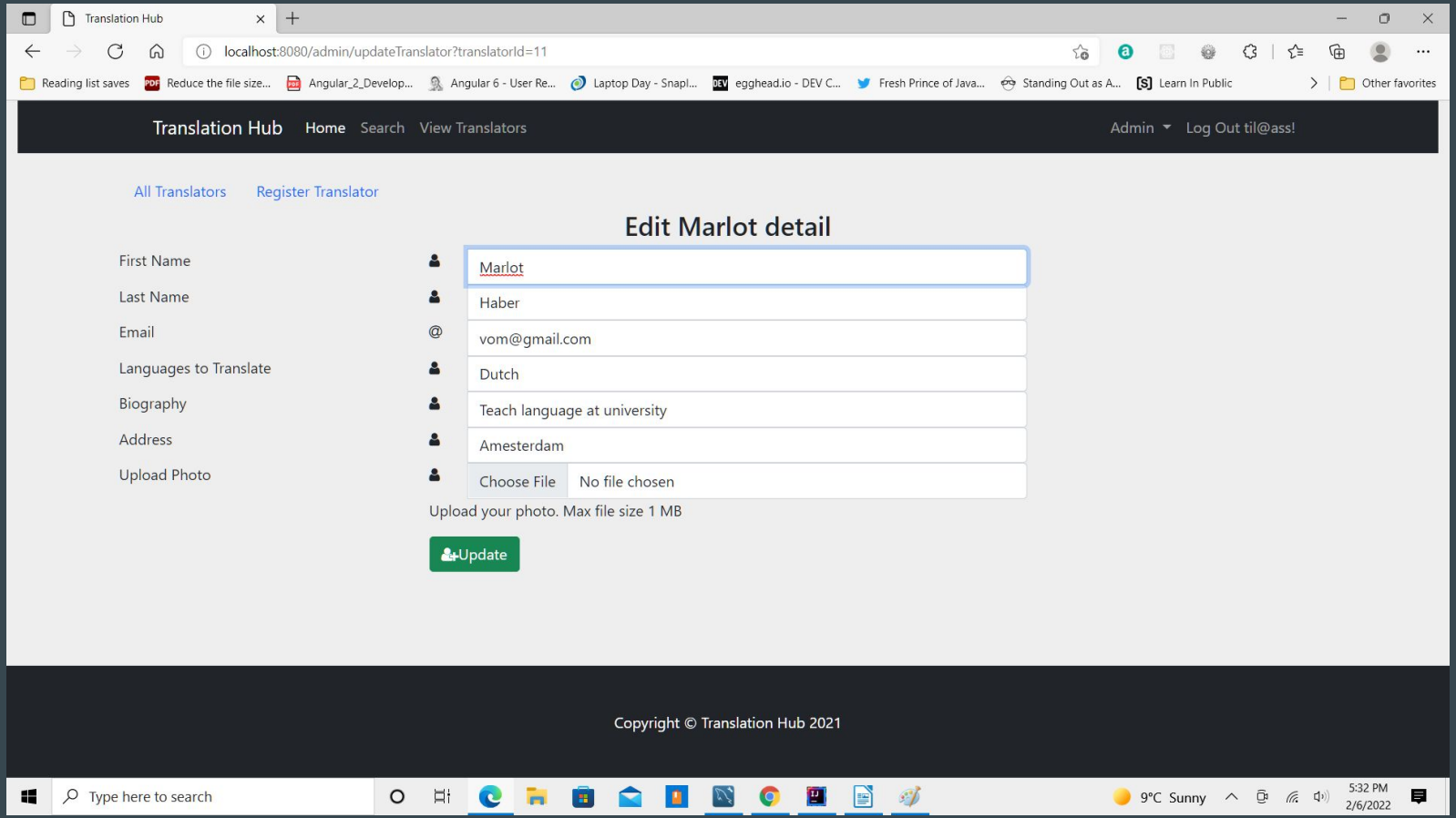
Demo admin panel



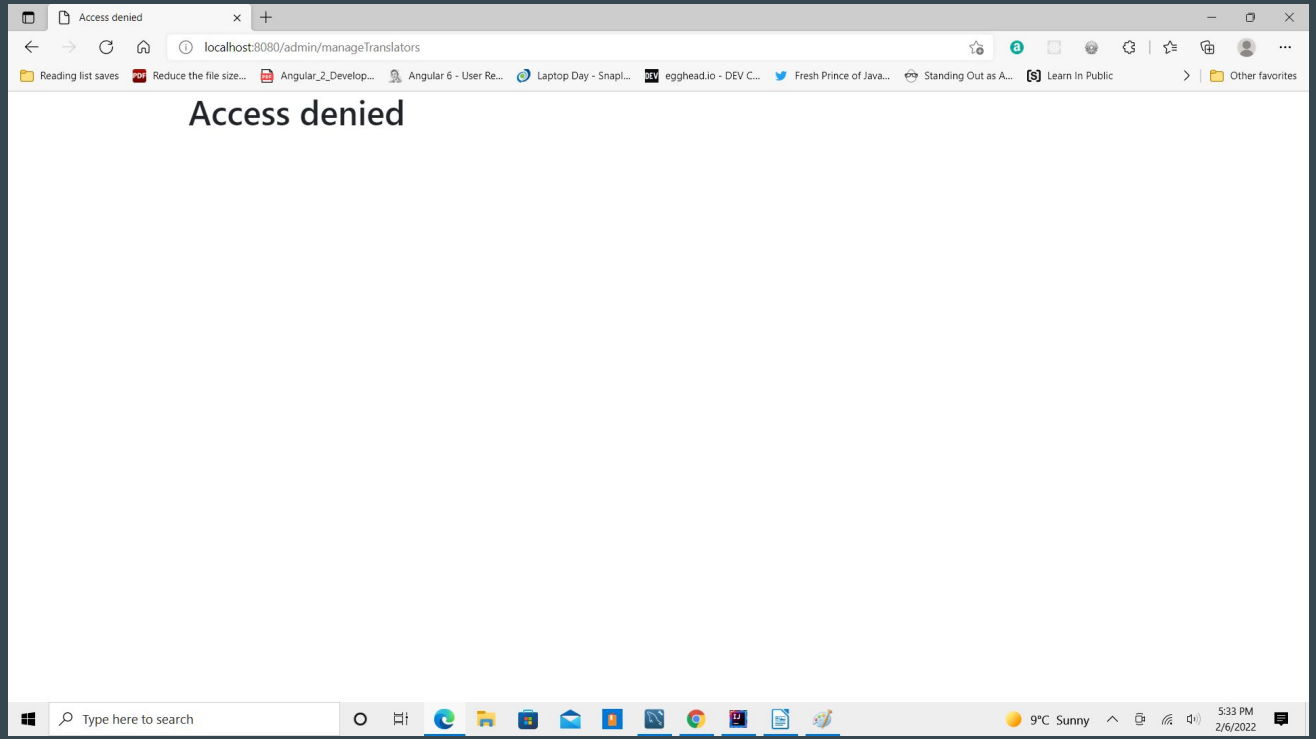
Translator profile view



Translator profile edit form view



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