

Individual Submission for S2

- agile estimation of feature cards

Tech research report + dev prep - Oladapo

S2

 #18  Wednesday



Dashboard front-end - Oladapo

 #34  Apr 26



S2 Submission - Oladapo

S2

 #33  Wednesday



Dashboard back-end - Oladapo



 #35  Apr 26



Dashboard feature - Oladapo

S2

 #14



Dashboard back-end - Oladapo

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Dashboard back-end - Oladapo

Using springboot + postgresql to implement the back-end of the dashboard feature

Dashboard front-end - Oladapo

Using Angular in JHipster to implement the front-end development of the dashboard feature

S2 Submission - Oladapo



S2 submission of

• agile estimation of feature cards • 1-page tech research report • development prep: tech stack/CI

Development



Oladapo

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Tech research report + dev prep - Oladapo

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Dashboard back-end - Oladapo

Using springboot + postgresql to implement the back-end of the dashboard feature

0

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- 1-page tech research report

Below is a detailed tech report on using Angular as a front-end in JHipster for developing a personal finance tracker web app.

On the next page

Angular is a popular JavaScript framework that is used to build complex and dynamic web applications. It offers a wide range of tools and features that make it an excellent choice for building a personal finance tracker web application. This report would discuss the basic concepts of Angular, key features that makes it suitable for our web app and also provide valuable insights and guidance for team members involved in the development process.

Before you start using Angular on the JHipster platform, it's important to understand its **core concepts** such as components, modules and services.

Components: Components are the building blocks of an Angular app. They are responsible for rendering HTML and responding to user input.

Services: Services are used to share data and functionality across different components in the web app.

Modules: Modules are used to organise the app into functional blocks of code.

Here are some key features of Angular that make it suitable for our web app:

Component-based Architecture: Angular follows a component-based architecture, which makes it easier to organize and reuse code. This is especially useful for a personal finance tracker web app, which will likely have many different views and components that need to be managed and updated.

Reactive Forms: Angular's reactive forms feature allows for the creation of dynamic, data-driven forms. This is useful for personal finance tracker web apps, as it enables users to input and submit financial data and transactions.

Observables: Observables are a key feature of Angular's RxJS library and allow for the management of asynchronous data streams.

Here are some valuable insights and guidance when using Angular as a front-end in JHipster for developing a personal finance tracker web app:

Designing the User Interface: The UI design should be simple, user-friendly, and intuitive. The team should use Angular material in JHipster, which provides pre-built UI components to make the UI development process faster and easier.

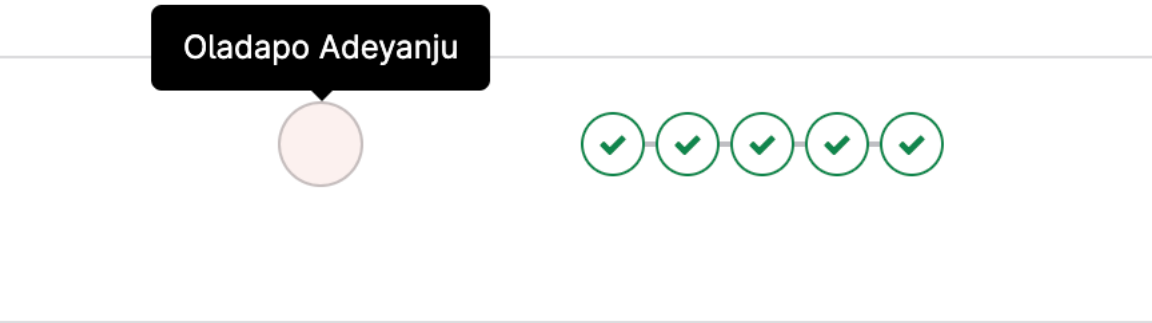
Implementing Income-Expense Tracking and Budgeting: The team can use reactive forms to create a form for adding new income, expenses and budget, and Angular services (discussed above) to communicate with the back-end to save the data. The team can also use directives to show the budget progress on the user interface.

Generating Reports and Analytics: The team can use Angular services to retrieve the data from the back-end and Angular directives to display charts and graphs to visualize the data. The team can also use third-party libraries such as Chart.js to create interactive and dynamic charts.

Conclusion: A personal finance tracker web app is a useful tool for individuals to keep track of their finances and JHipster is a popular development platform that combines Angular with Spring Boot to create modern web applications. Using Angular as a front-end in JHipster for developing a personal finance tracker web app is a great choice because it provides a powerful and flexible framework for building robust web applications and by adhering to the guidance outlined in this report, the team can effectively work together to develop features for the web app. With careful planning, design, and implementation, the personal finance tracker web application can become a valuable tool for individuals.

•development prep: tech stack/CI

Individual CI deployment:-



The screenshot shows the GitLab CI/CD interface. On the left sidebar, the 'Pipelines' section is selected. The main area displays a table of pipelines. The first pipeline is shown with a 'passed' status, a duration of 00:06:17, and a triggerer named 'Oladapo Adeyanju'. The pipeline is for the 'Update .gitlab-ci.yml file' job, commit #2957 on the main branch. The stages column shows five green checkmarks, indicating all stages passed.

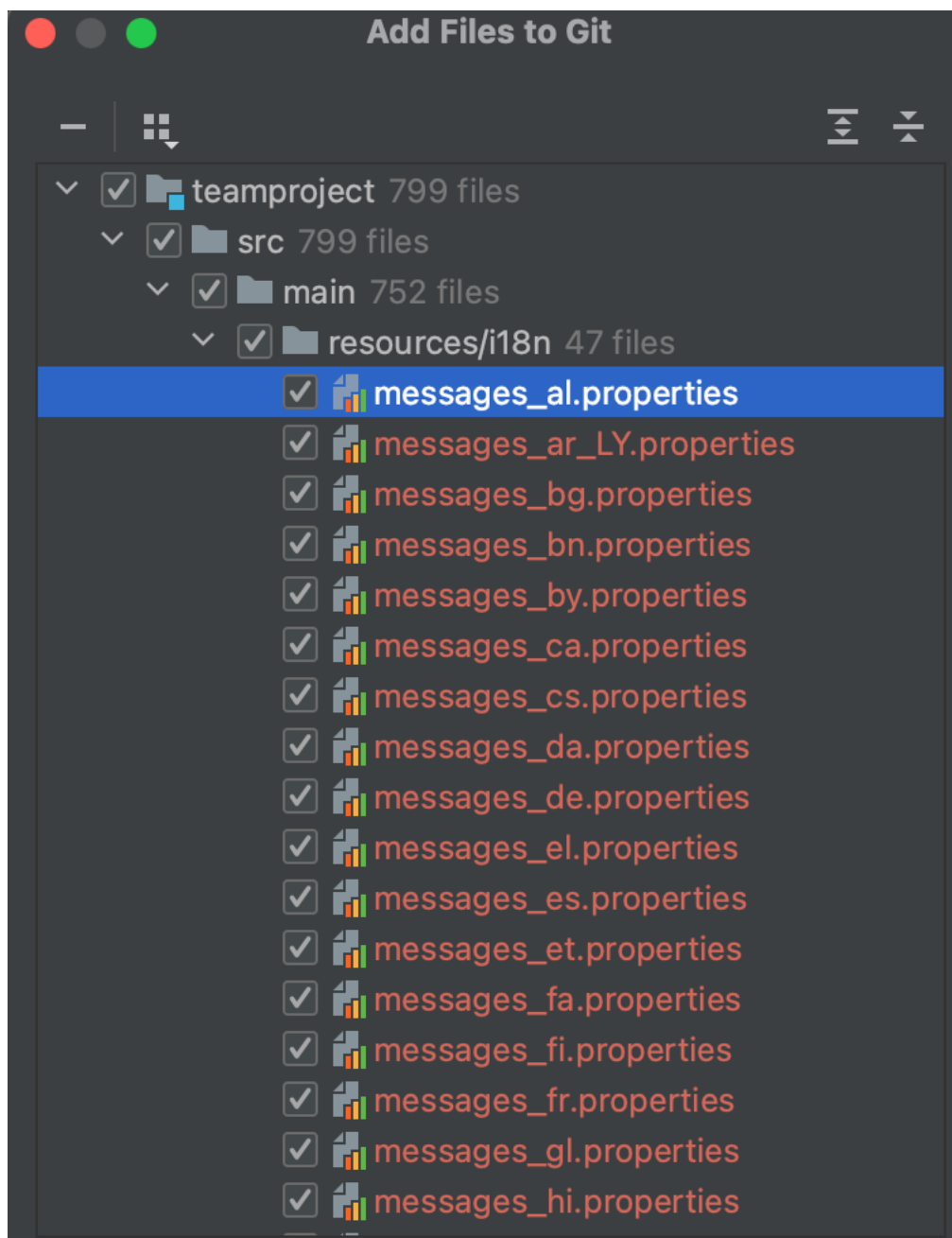
```
deploy-git:
  image: alpine:latest
  stage: deploy
  when: on_success
  before_script:
    - chmod og= $RSA
    - apk update && apk add openssh-client
    - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker-compose -f ~/team-project-deployment/src/main/docker/app.yml down"
    - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker rm -f $(docker ps -a -q) || true"
    - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker volume rm $(docker volume ls -q) || true"
    - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "rm -rf ~/team-project-deployment || true"
    - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker login -u $CI_REGISTRY_USER -p $CI_REGISTRY_PASSWORD $CI_REGISTRY"
    - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker pull ${CI_REGISTRY_IMAGE}:latest"
  script:
    - scp -o StrictHostKeyChecking=no -i $RSA -r . $VM_USER@$VM:~/team-project-deployment
    - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "sed -i '5s|teamproject|$CI_IMG|' ~/team-project-deployment/src/main/docker"
    - ssh -o StrictHostKeyChecking=no -i $RSA $VM_USER@$VM "docker-compose -f ~/team-project-deployment/src/main/docker/app.yml up -d"
```

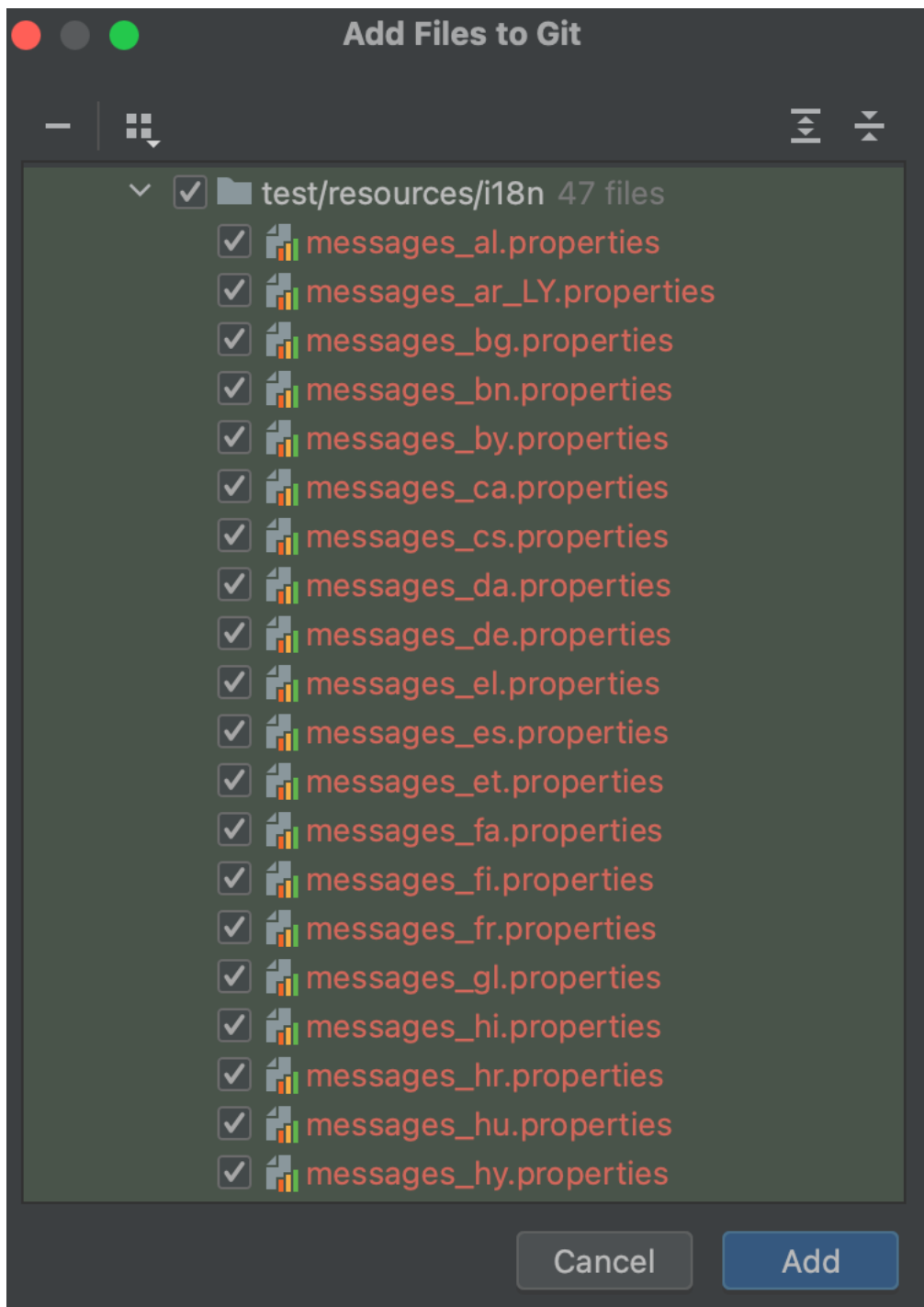
A summary bar for the CI pipeline. It starts with a green circle containing a white checkmark and the word 'passed'. To the right, it shows the job name 'Update .gitlab-ci.yml file', the commit hash '#2957', the branch 'main', and the commit SHA '70ec0ee0'. Below the job name is a green pill with the word 'latest'. To the right of the commit information is a light pink circle. Further right is a horizontal sequence of five green circles, each containing a white checkmark, representing the stages of the pipeline.

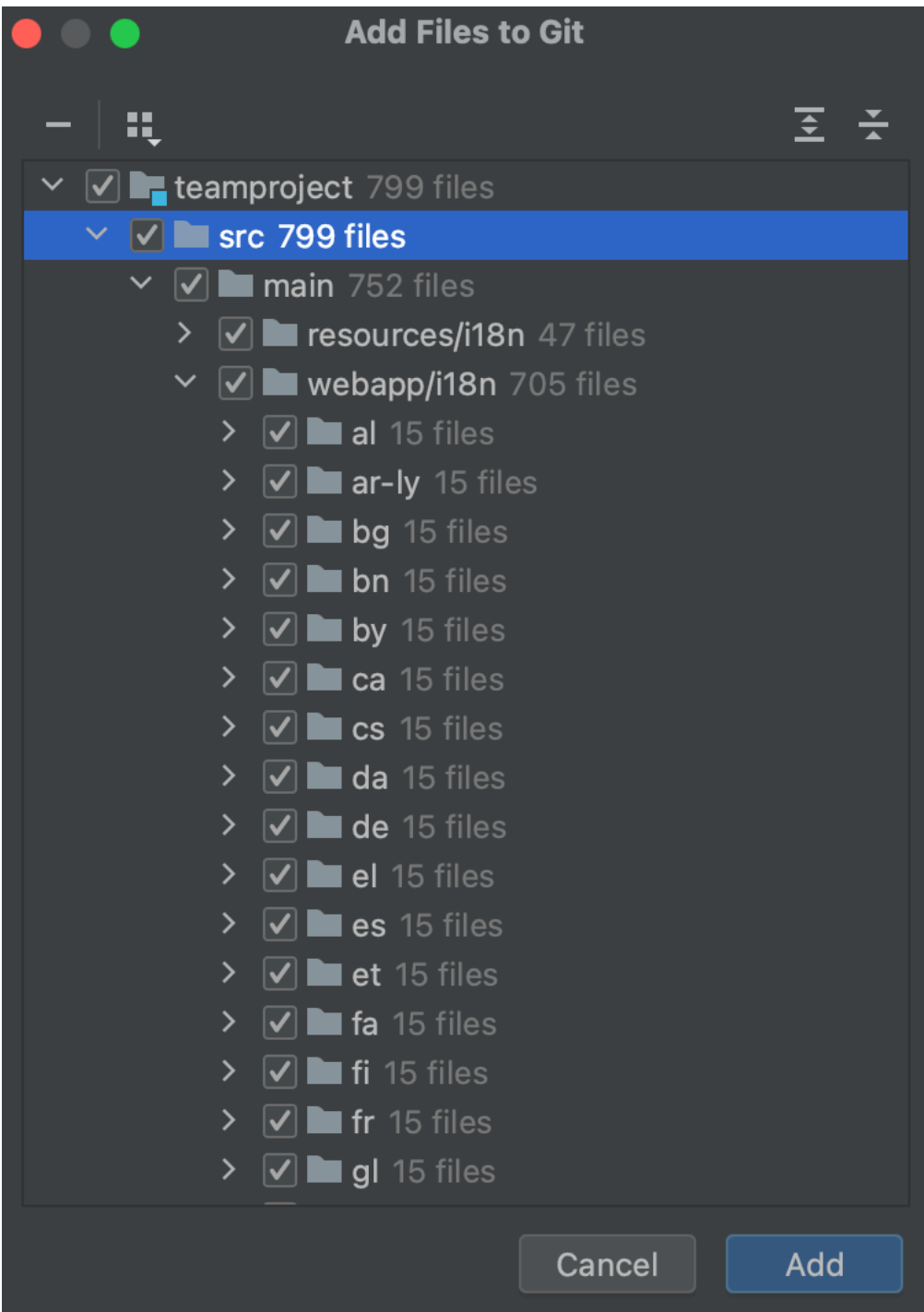
DMPV/devops- for the web app.

I integrated various languages libraries/API into stack to make the app more accessible.


- evidence of git commits for MVP/CI development








```
create src/main/webapp/i18n/ar-ly/user-management.json
create src/main/webapp/i18n/al/password.json
create src/main/webapp/i18n/by/reset.json
create src/main/webapp/i18n/by/login.json
create src/main/webapp/i18n/hy/sessions.json
create src/main/webapp/i18n/al/activate.json
create src/main/webapp/i18n/ar-ly/configuration.json
create src/main/webapp/i18n/by/health.json
create src/main/webapp/i18n/hy/settings.json
create src/main/webapp/i18n/by/home.json
```

 **Teamproject** v0.0.1-SNAPSHOT

HomeLanguageAccount

Development



Welcome, Java Hipster! (Teamproj

This is your homepage

If you want to **sign in**, you can try the default accounts:

- Administrator (login="admin" and password="admin")
- User (login="user" and password="user").

You don't have an account yet? [Register a new account](#)

If you have any question on JHipster:

- [JHipster homepage](#)
- [JHipster on Stack Overflow](#)
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If you like JHipster, don't forget to give us a star on [GitHub](#)!


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繁體中文
Hrvatski
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Teamproject v0.0.1-SNAPSHOT

HomeLanguageAccount

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Český

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Nederlands

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हिंदी

Magyar

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Italiano

日本語

한국어

मराठी

မြန်မာ

Polski

Português (Brasil)

Português

ਪੰਜਾਬੀ

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Русский

Slovenský

Srpski

සිංහල

Español

Svenska

Türkçe

தமிழ்

తెలుగు

ไทย

Українська

Ўзбекча


O`zbekcha

Tiếng Việt

Teampointv0.0.1-SNAPSHOT

InicioIdiomaCuenta

Desarrollado por



¡Bienvenido, Java Hipster! (Teampoint)

Esta es su página de inicio

Si desea **iniciar sesión**, puede intentar con las cuentas predeterminadas:

- Administrador (usuario="admin" y contraseña="admin")
- Usuario (usuario="user" y contraseña="user").

¿Aún no tienes una cuenta? [Crea una cuenta](#)

Si tiene preguntas sobre JHipster:

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- [Sala de chat pública de JHipster](#)
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Si te gusta JHipster, danos una estrella en [GitHub](#)!

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Pie de página



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```

user@Oriade-MacBook-Air ex2 % git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   .yo-rc.json
        new file:   S1.pdf
        new file:   src/main/resources/i18n/messages_al.properties
        new file:   src/main/resources/i18n/messages_ar_LY.properties
        new file:   src/main/resources/i18n/messages_bg.properties
        new file:   src/main/resources/i18n/messages_bn.properties
        new file:   src/main/resources/i18n/messages_by.properties
        new file:   src/main/resources/i18n/messages_ca.properties
        new file:   src/main/resources/i18n/messages_cs.properties
        new file:   src/main/resources/i18n/messages_da.properties
        new file:   src/main/resources/i18n/messages_de.properties
        new file:   src/main/resources/i18n/messages_el.properties
        new file:   src/main/resources/i18n/messages_es.properties
        new file:   src/main/resources/i18n/messages_et.properties
        new file:   src/main/resources/i18n/messages_fa.properties
        new file:   src/main/resources/i18n/messages-fi.properties
        new file:   src/main/resources/i18n/messages_fr.properties
        new file:   src/main/resources/i18n/messages-gl.properties
        new file:   src/main/resources/i18n/messages_hi.properties
        new file:   src/main/resources/i18n/messages_hr.properties
        new file:   src/main/resources/i18n/messages_hu.properties
        new file:   src/main/resources/i18n/messages_hy.properties
        new file:   src/main/resources/i18n/messages_in.properties
        new file:   src/main/resources/i18n/messages_it.properties
        new file:   src/main/resources/i18n/messages_ja.properties
        new file:   src/main/resources/i18n/messages_ko.properties
        new file:   src/main/resources/i18n/messages_mr.properties
        new file:   src/main/resources/i18n/messages_my.properties
        new file:   src/main/resources/i18n/messages_nl.properties
        new file:   src/main/resources/i18n/messages_pa.properties
        new file:   src/main/resources/i18n/messages_pl.properties
        new file:   src/main/resources/i18n/messages_pt_BR.properties
        new file:   src/main/resources/i18n/messages_pt_PT.properties
        new file:   src/main/resources/i18n/messages_ro.properties
        new file:   src/main/resources/i18n/messages_ru.properties
        new file:   src/main/resources/i18n/messages_si.properties
        new file:   src/main/resources/i18n/messages_sk.properties
        new file:   src/main/resources/i18n/messages_sr.properties
        new file:   src/main/resources/i18n/messages_sv.properties
        new file:   src/main/resources/i18n/messages_ta.properties
        new file:   src/main/resources/i18n/messages_te.properties
        new file:   src/main/resources/i18n/messages_th.properties
        new file:   src/main/resources/i18n/messages_tr.properties
        new file:   src/main/resources/i18n/messages_ua.properties
        new file:   src/main/resources/i18n/messages_uz_Cyrl_UZ.properties
        new file:   src/main/resources/i18n/messages_uz_Latn_UZ.properties
        new file:   src/main/resources/i18n/messages_vi.properties
        new file:   src/main/resources/i18n/messages_zh_CN.properties
        new file:   src/main/resources/i18n/messages_zh_TW.properties
        modified:   src/main/webapp/app/config/dayjs.ts
        modified:   src/main/webapp/app/config/language.constants.ts
        modified:   src/main/webapp/app/shared/language/find-language-from-key.pipe.ts

```

Its very important for my feature as it is the first point of contact for the users.

```
new file: src/main/webapp/i18n/pt-pt/sessions.json
new file: src/main/webapp/i18n/pt-pt/settings.json
new file: src/main/webapp/i18n/pt-pt/user-management.json
new file: src/main/webapp/i18n/ro/activate.json
new file: src/main/webapp/i18n/ro/configuration.json
new file: src/main/webapp/i18n/ro/error.json
new file: src/main/webapp/i18n/ro/global.json
new file: src/main/webapp/i18n/ro/health.json
new file: src/main/webapp/i18n/ro/home.json
new file: src/main/webapp/i18n/ro/login.json
new file: src/main/webapp/i18n/ro/logs.json
new file: src/main/webapp/i18n/ro/metrics.json
new file: src/main/webapp/i18n/ro/password.json
new file: src/main/webapp/i18n/ro/register.json
new file: src/main/webapp/i18n/ro/reset.json
new file: src/main/webapp/i18n/ro/sessions.json
new file: src/main/webapp/i18n/ro/settings.json
new file: src/main/webapp/i18n/ro/user-management.json
new file: src/main/webapp/i18n/ru/activate.json
new file: src/main/webapp/i18n/ru/configuration.json
new file: src/main/webapp/i18n/ru/error.json
new file: src/main/webapp/i18n/ru/global.json
new file: src/main/webapp/i18n/ru/health.json
new file: src/main/webapp/i18n/ru/home.json
new file: src/main/webapp/i18n/ru/login.json
new file: src/main/webapp/i18n/ru/logs.json
new file: src/main/webapp/i18n/ru/metrics.json
new file: src/main/webapp/i18n/ru/password.json
new file: src/main/webapp/i18n/ru/register.json
new file: src/main/webapp/i18n/ru/reset.json
new file: src/main/webapp/i18n/ru/sessions.json
new file: src/main/webapp/i18n/ru/settings.json
new file: src/main/webapp/i18n/ru/user-management.json
new file: src/main/webapp/i18n/si/activate.json
new file: src/main/webapp/i18n/si/configuration.json
new file: src/main/webapp/i18n/si/error.json
new file: src/main/webapp/i18n/si/global.json
new file: src/main/webapp/i18n/si/health.json
new file: src/main/webapp/i18n/si/home.json
new file: src/main/webapp/i18n/si/login.json
new file: src/main/webapp/i18n/si/logs.json
new file: src/main/webapp/i18n/si/metrics.json
new file: src/main/webapp/i18n/si/password.json
new file: src/main/webapp/i18n/si/register.json
new file: src/main/webapp/i18n/si/reset.json
new file: src/main/webapp/i18n/si/sessions.json
new file: src/main/webapp/i18n/si/settings.json
new file: src/main/webapp/i18n/si/user-management.json
new file: src/main/webapp/i18n/sk/activate.json
new file: src/main/webapp/i18n/sk/configuration.json
new file: src/main/webapp/i18n/sk/error.json
new file: src/main/webapp/i18n/sk/global.json
new file: src/main/webapp/i18n/sk/health.json
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new file: src/main/webapp/i18n/sk/login.json
new file: src/main/webapp/i18n/sk/logs.json
new file: src/main/webapp/i18n/sk/metrics.json
new file: src/main/webapp/i18n/sk/password.json
new file: src/main/webapp/i18n/sk/register.json
new file: src/main/webapp/i18n/sk/reset.json
new file: src/main/webapp/i18n/sk/sessions.json
new file: src/main/webapp/i18n/sk/settings.json
new file: src/main/webapp/i18n/sk/user-management.json
```