

Web Application exercise

Introduction

The web application should be implemented with

- Angular (version ≥ 6): see <https://angular.io/>
- Angular Material: see <https://material.angular.io/>
- SCSS
- HTML 5

The page should be composed of 4 pages:

- Home page
- Login page
- File page
- Administration page

Home page

- CGX logo
- Button login: redirect to “Login” page
- Description of CGX: see <http://www.cgx-group.com/fr/index.htm>

Example:



AIM4Flight®
 Integrity | Traceability | Interoperability

LOG IN

AIM4Flight® - The AIM-Interoperability Platform
 AIM4Flight® is a web platform providing a set of centralized services for the different actors of the production, verification, publication and consumption of aeronautical information. These services are compliant to aeronautical standards to offer a fully safe data management workspace.



AIM4Flight® Aeronautical Data Quality
 The AIM4Flight® platform provides an implementation of the following aeronautical regulations: ICAO AIS to AIM transition roadmap, ICAO annex 15 amendment 37 and Eurocontrol ADQ. It guarantees the integrity of information and traceability of performed actions all along different processes.
 AIM4Flight® implements the ISO 19139:2007 metadata model to complete and enrich the aeronautical database. It also implements a Safety Management System to detect, evaluate and categorize potential risks and propose adequate corrective actions.

AIM4Flight® Aeronautical Data Management
 AIM4Flight is a workflow-based collaborative platform that offers multiple services for the production, verification and publication of aeronautical information in connection with procedure design and cartography tools: GéoTITAN, Data4Flight and AIP-GIS Charting. These services includes :

AIM4Flight® Dataset Management
 The web platform provides the possibility to share different types of aeronautical/geographical data sets among different aeronautical data management actors. Published datasets go through a verification and validation process to ensure their integrity and their conformity.

Login page

- Input username
- Input password
- Button login: redirect to “Files” page. There is no need to check if user exist, just check if fields are not empty.

Example

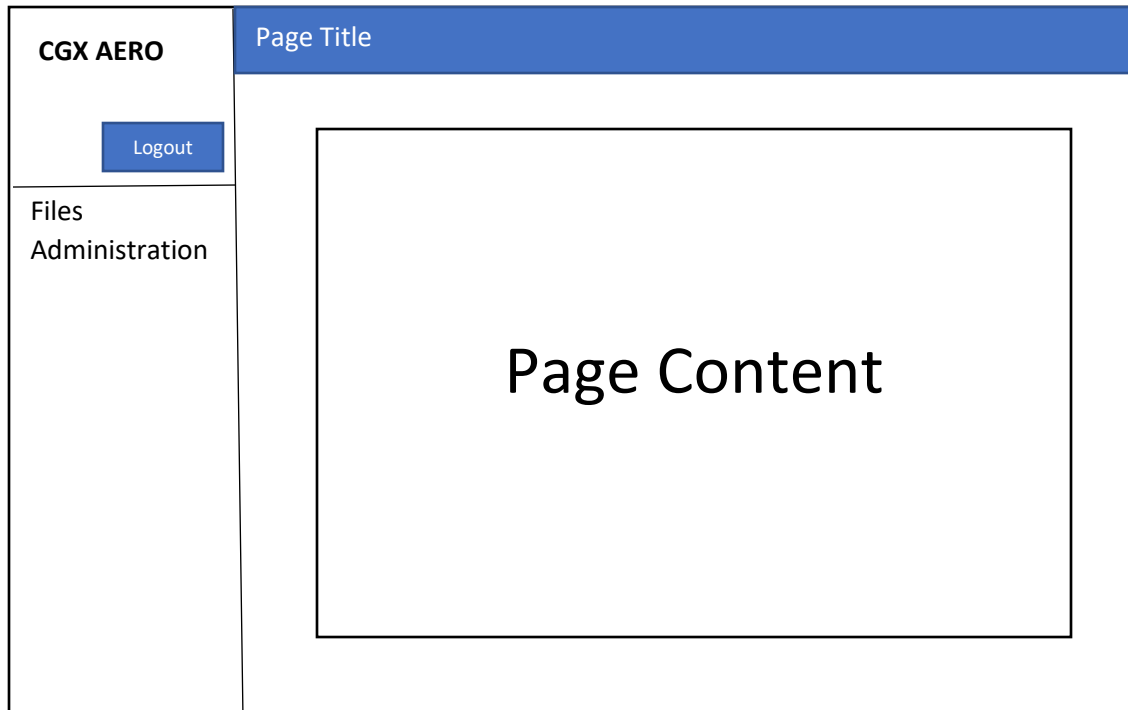
Log in to AIM4Flight

[Forgot password?](#)

[REQUEST AN ACCOUNT](#)
[LOG IN](#)

Files Page

The “Files” page and “Administration” page should have the following design:



Logout button redirects to “Login” page

The menu on the left allows user to navigate to files and administration pages.

The page title contains the name of the active page

The content of each page is described below.

Page Content

The page contains a file list. Each file has the following attributes:

- File name.
- Author.
- Creation date

For each file provide a download button which download a txt file containing file information.

Provide the following functionalities on the list:

- Sorting
- Filtering

- Pagination
- Add new file

Administration Page

Contains a form to add new user. The form should contain the following inputs:

- First Name
- Last name
- Date of birth
- Email address
- Role (select field, options: Operator, Guest, Administrator)

Apply validators on inputs:

- All fields are required
- Check birth date format
- Check email format.

Add a submit button to validate and export data into a json.