

OBJECTIVES

- Students should continue working on their UI design
- They should use some tools like Figma to define their UI
- They start working on the implementation of their UI as a React frontend
- They are requested to implement a store using React Redux
- They use a fake REST API to test their frontend

INDIVIDUAL EXERCISES

Task / Exercise C1 [60 Minutes] (UI Design) :

Students should choose in class to design the UI/ Flow of interactions one of the following primary cases using Figma or any UI design tools (including pen and paper) :

- User Management : Creating a user, editing her/his profile, password forgot, ...
- Uploading a File (a birth certificate or any official civil document)
- Displaying the uploaded document and its metadata
- Enabling the editing of some of this metadata

Task / Exercise C2 [30 Minutes + After Session] (Hello World React) :

Students should start to learn React/Typescript in addition to the use of Redux for state Management.

Students are expected at the end to create :

- A simple React App with state management where a user can login using a hardcoded username/password. Once they are logged, show the user a hello world message.
- Link the front-end to a Fake API or very simple backend API using Flask or FastAPI

No linking to a database is necessary at this stage.

ASSIGNMENT

Students should present the skeleton app with :

- A signup and login screen and internal dashboard.
- The dashboard should show a list of documents (from a hardcoded list, not DB)
- The user can display a document and its metadata
- The user can edit some of this metadata