

Project: Software Engineering

Course DLMCSPSE

**Portfolio Phase 1: Concept Presentation**

SENOUCI BRIKSI Djelloul

Registration number: 9225022

dd.mm.yyyy

Fribourg, Switzerland

# Concept Presentation

The topic of our project is the design and development of a ‘Complex Action Browser’ (CAB).

The CAB is a web application that will enable browsing complex actions contained in a Passenger Information System (PIS) database.

In a Passenger Information System, the database contains all routes that are travelled by a train during a day service. During such travels, the train executes actions at specific trigger points (e.g. opening the doors). An action can be e.g. announcing the next station on the loudspeakers or displaying some useful information on the displays. Such actions can be very complex to implement and to debug. Indeed, we have in our company many issues and bugs related to the ‘complexity’ of these complex actions.

The CAB would enable developers to better develop and debug complex actions, through browsing complex action trees, in an intuitive and meaningful way.

The CAB is intended to be used by developers of our company.

We will be using an agile methodology to realize this project.

# Additional Documentation

* Portfolio Project: Software Engineering, Course DLMCSPSE  
  SenouciBriksi\_Djelloul\_9225022\_DLMCSPSE.pdf