

# Sistemas de Informação e Bases de Dados



INSTITUTO SUPERIOR TÉCNICO

## SIBD Project - Part 1

<i><b>Group Elements:</b></i>	<i><b>Hours:</b></i>	<i><b>Percentage:</b></i>
Beatriz Cabarrão N <sup>o</sup> 86953	7	33%
Diana Fonseca N <sup>o</sup> 86967	7	33%
Gonçalo Mão-Cheia N <sup>o</sup> 87007	7	33%

***Group:*** 29

***Professor:*** Prof. Francisco Regateiro

***Shift:*** Segunda-Feira 09:30

Some notes regarding the project are presented below:

- In Table person, Phone's datatype is varchar(15) according to ITU E.164 that states that phone numbers maximum length of 15 digits. Tax id datatype is varchar(15) according to European standards;
- There are constraints in the Entity-Association model that cannot be implemented in the SQL schema. This happens in case there is a participation or a disjoint constraint and in some integrity constraints. The comments were written inside the creation of the tables they respect to;
- The incident's instant is checked to avoid that an instant in the future is inserted. In order to do this, we use a CHECK clause;
- The GPS coordinates are expressed in two attributes: latitude and longitude. The former has to be in the range  $[-90, 90]$  degrees and the later, in the range  $[-180, 180]$  degrees. This was ensured by making use of the CHECK clause.