



POLITECNICO DI MILANO

SOFTWARE ENGINEERING 2 PROJECT

---

# MeteoCal

## Design Document

---

*Authors:*  
Andrea CELLI  
Stefano CEREDA

November 24, 2014

## **Part I**

# **Architecture description**

- 1 JEE architecture overview**
- 2 Identifying sub-systems**

## Part II

# Persistent data management

## 3 Conceptual design

## 4 Logical design

### 4.1 ER restructuration

RESTRUCTURATION IN INGLESE NON ESISTE

### 4.2 Translation to logical model

## **Part III**

# **User Experience**

**5 UX1**

**6 UX...n**

## Part IV

# BCE diagrams

## 7 Entity overview

## 8 BCE 1

## 9 BCE...n

## 10 User

### 10.1 BCE u1

### 10.2 BCE u...n

## Part V

# Sequence diagrams

11 SD1

12 SD..n

**Part VI**

**Final considerations**

# Contents

|            |  |          |
|------------|--|----------|
| <b>I</b>   | <b>Architecture description</b>        | <b>1</b> |
| 1          | JEE architecture overview              | 1        |
| 2          | Identifying sub-systems                | 1        |
| <b>II</b>  | <b>Persistent data management</b>      | <b>2</b> |
| 3          | Conceptual design                      | 2        |
| 4          | Logical design                         | 2        |
| 4.1        | ER restructuration . . . . .           | 2        |
| 4.2        | Translation to logical model . . . . . | 2        |
| <b>III</b> | <b>User Experience</b>                 | <b>3</b> |
| 5          | UX1                                    | 3        |
| 6          | UX...n                                 | 3        |
| <b>IV</b>  | <b>BCE diagrams</b>                    | <b>4</b> |
| 7          | Entity overview                        | 4        |
| 8          | BCE 1                                  | 4        |
| 9          | BCE...n                                | 4        |
| 10         | User                                   | 4        |
| 10.1       | BCE u1 . . . . .                       | 4        |
| 10.2       | BCE u...n . . . . .                    | 4        |
| <b>V</b>   | <b>Sequence diagrams</b>               | <b>5</b> |
| 11         | SD1                                    | 5        |
| 12         | SD..n                                  | 5        |
| <b>VI</b>  | <b>Final considerations</b>            | <b>6</b> |