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Design document

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**Abstract**

The following document aims at resuming the work done during the preliminar design phase of the project of the Hypermedia Applications course.

The main goal of the project is the implementation of a non-profit organization web site, devoted to helping and supporting children and young adults with disabilities, along with their families, and to sensitize the public opinion on the themes related to disability, such as social inclusion, engagement, etc... .

The main focus of the web site is therefore to present the services offered by the organization, in order to offer useful information to parents looking for a particular professional performance for their children, and to promote the events and initiatives organized in its locations. Last but not least, the web site should highlights the role and impact of the organization in helping people with disabilities, encouraging in this way people to donate and participate actively to the organizations’ activities.

In the following, we report the work executed in each step of the design process. In particular:

* **For the design in the large, where we used the Interactive Dialogue Model for the planning of the content architecture of the web-site, we have include the C-IDM, L-IDM and P-IDM schemas along with some textual descriptions;**
* **For the scenarios ideation, the textual description of two possible use of our application;**
* **For the design in the small, the textual description of the requirements of the pages involved in our scenarios along with their graphical representation;**
* **For the database design, the ER schema.**

**Scenarios**

For the scenarios’ descriptions, we resorted to the following **personas**, which we thought may be representative samples of the typical categories of users of our application.

**Persona 1**: Carlo and Marianna are the parents of two beautiful children, Anna and Marco, of 6 and 2 years old respectively. Both their sons have always been solar and joyous, but lately Marco has started behaving quite strangely. While he always enjoyed playing with his sister, now he prefers to stay by his own, often avoiding the interactions with his parents too; even at the kindergarten, he does not play with the other children, avoids eye contact with the teachers, and plays obsessively with just one toy, a dinosaur. All these cues, suggested its parent to ask the opinion of a child psychiatrist, who diagnosed these symptoms in Marco as an autism spectrum disorder. Unfortunately, the doctor agenda has too many patients for inserting Marco too, but he suggests Carlo and Marianna to contact a non-profit organization, the \*NOME FITTIZIO ONLUS\* onlus, where an old colleague of his, doctor Mariangela Carolinna, works. \*NOME FITTIZIO ONLUS\* onlus is specialized in helping children like Marco with the aid of professionals, and moreover organizes all a series of activities and initiatives which involves and helps their families too. After some initial shock, Carlo and Marianna, firmly resolved in doing anything possible for helping their son, decide to take action, and go to the \*NOME FITTIZIO ONLUS\* website to know something more about it, and to contact doctor Carolinna.

**Persona 2**: Roberta is a 16 old teenager: she likes reading, listening to music, going with her best friend to theaters to see plays, etc… A girl like many others, except for the fact that she has been diagnosed an Asperger syndrome since her early age. Fortunately, her diagnosis was timely, and Roberta had the opportunity of being followed by a psychiatrist, and moreover, to participate to the activities organized by the \*NOME FITTIZIO ONLUS\*. Throughout her childhood, she played with other kids of her age, she tried pottery, participated to theatrical workshops, etc… All these activities helped her in reinforcing her confidence, expressing herself, and in general in building connections with other persons. Now, Roberta is too old for participating to the activities organized by the association: however, she is really thankful to \*NOME FITTIZIO ONLUS\*, and she is aware of the work done by it to fight prejudice against people with autism spectrum disorder and to fill the gap between them and the so called “normal” persons. For these reasons, she supports the association with a (small) monthly donation, and participates to the events organized by \*NOME FITTZIO ONLUS\*. This month, she has not donated yet: therefore, she connects to the website. In the meantime, her father tells her that a play has been scheduled for this weekend at the \*NOME FITTIZIO ONLUS\* headquarter, so she goes to the News section to know more about it.