A4: Conceptual Data Model

Our project features an information system capable of supporting an online store, which would allow users to buy products from a wide range of categories. In this artefact we present its Conceptual Data Model, which includes the relevant entities and the relationships between them. We also present an aditional section where we include all the business rules our platform has.
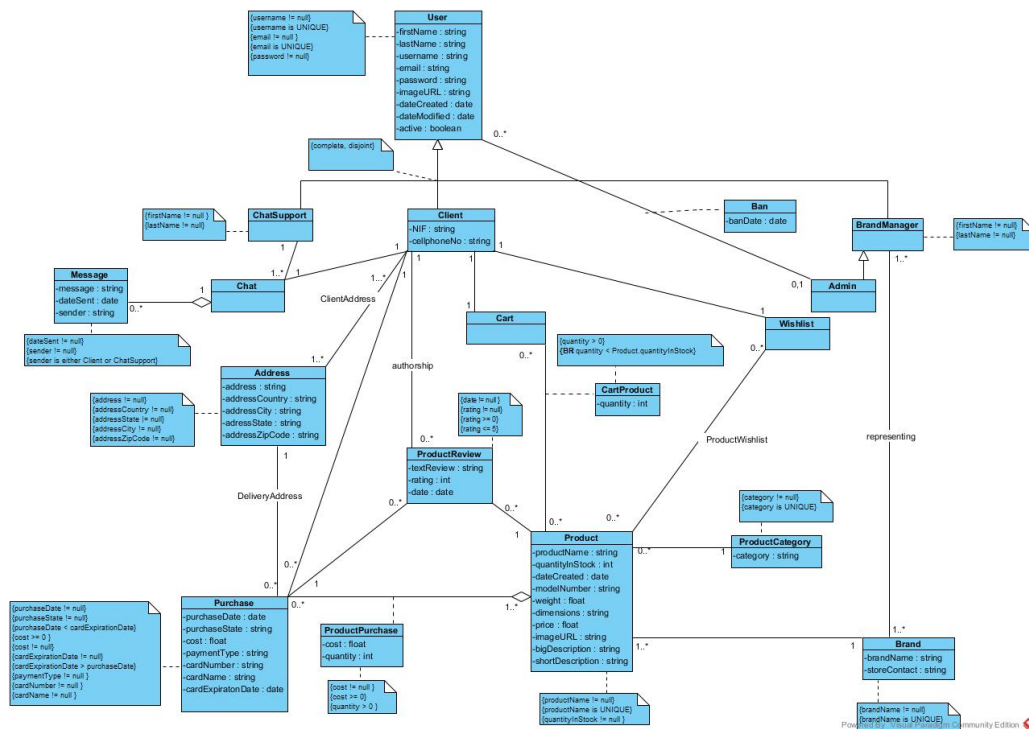
Class Diagram

Figure 1: Simplified Class Diagram in UML

Business Rules

In table 1 we present all the business rules of our platform.

Identifier	Name	Description
BR01	BannedUser	The only types of Banned *Users* are *Client*, *ChatSupport* and *BrandManager*, an *Admin* can't be banned
BR02	Purchase Cost	The cost of a purchase is determined by the sum of the cost of all products at the moment the client executes the payment
BR03	Reviews	A *Client* can do a review for each purchase of the product

Table 1: Business Rules

Revision history

Changes made to the first submission:

- Organized the UML and corrected some relations between classes

- Removed business rules that were already in the UML

- Added *Purchase Cost* and *Reviews* Business Rules

GROUP1736, 5/03/2018

- Group member 1 Beatriz de Henriques Martins, up201502858@fe.up.pt

- Group member 2 Francisco Tuna Andrade, up201503481@fe.up.pt

- Group member 3 Luís Miguel Santos Monteiro Saraiva, up201404302@fe.up.pt

- Group member 4 Ricardo Filipe Amaro Saleiro Abreu, up201304450@fe.up.pt