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LaTazzaDesignG5.md 10.6 KB

La Tazza Design Document

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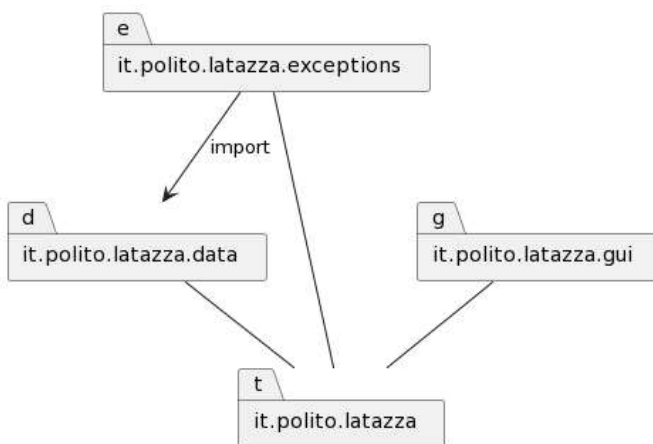
Instructions

The design document has to comply with:

1. [Official Requirement Document](#)
2. [DataInterface.java](#)

UML diagrams **MUST** be written using plantuml notation.

Package diagram



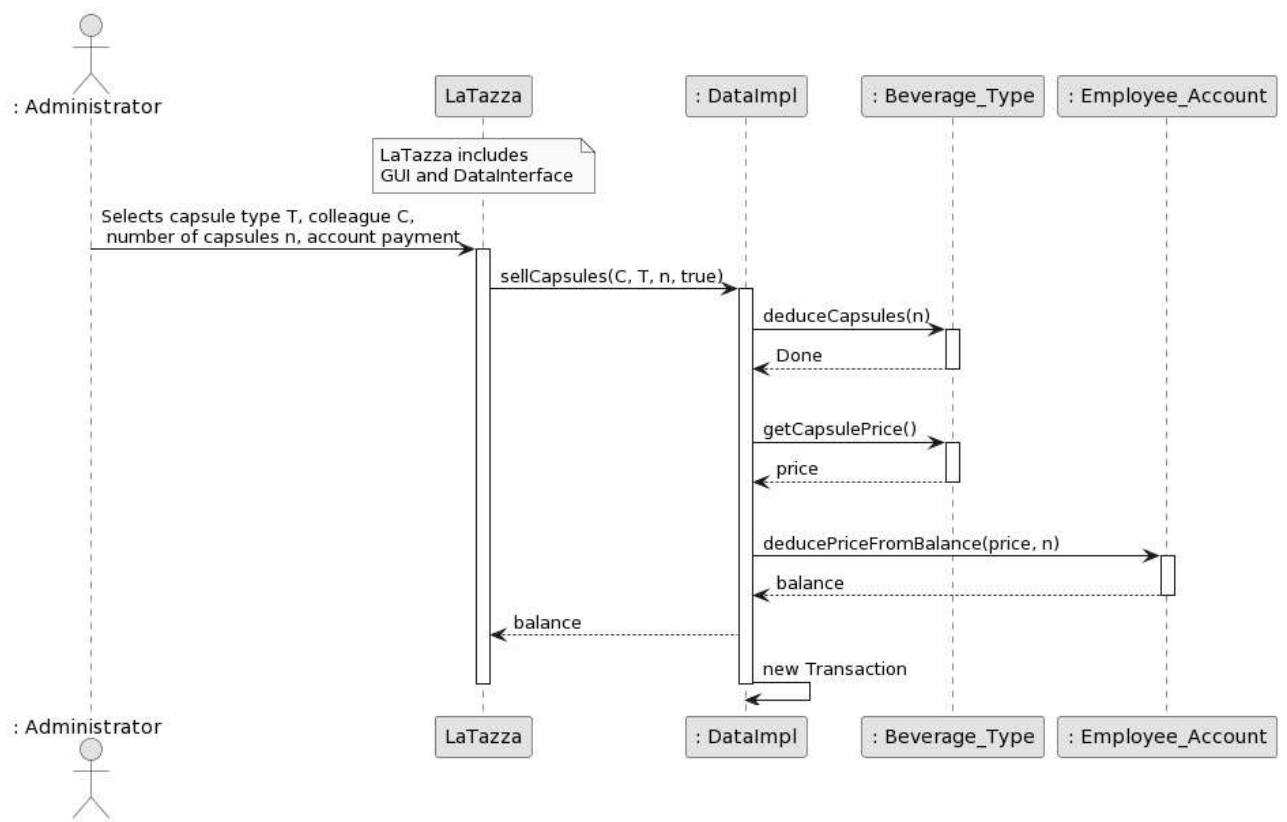
LaTazza is a layered application and consists of one executable generating one single process and thread. Our application is composed of the following packages:

- **data**, for managing and processing data (implementing the main "model" part of the MVC architectural pattern);
- **gui**, implementing the Graphical User Interface;
- **exceptions**, for handling exceptions triggered by actions of the user

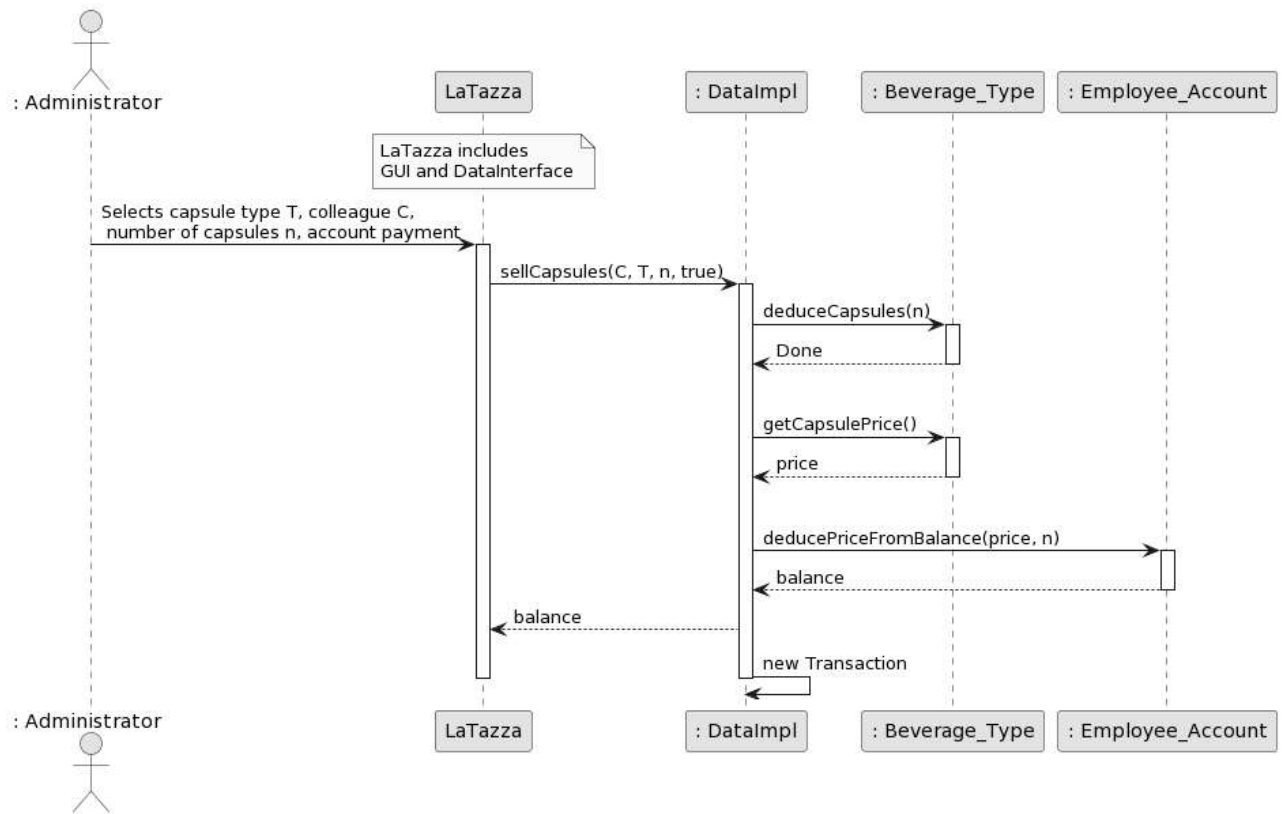
We use a **MVC pattern** because the user of LaTazza application can modify data and, consequently, views must change. Additionally, LaTazza complies with the **3-tier pattern**, since it manages data saved on the file system ("data" tier) via application functions ("application" tier) and a GUI ("presentation" tier).

Class diagram

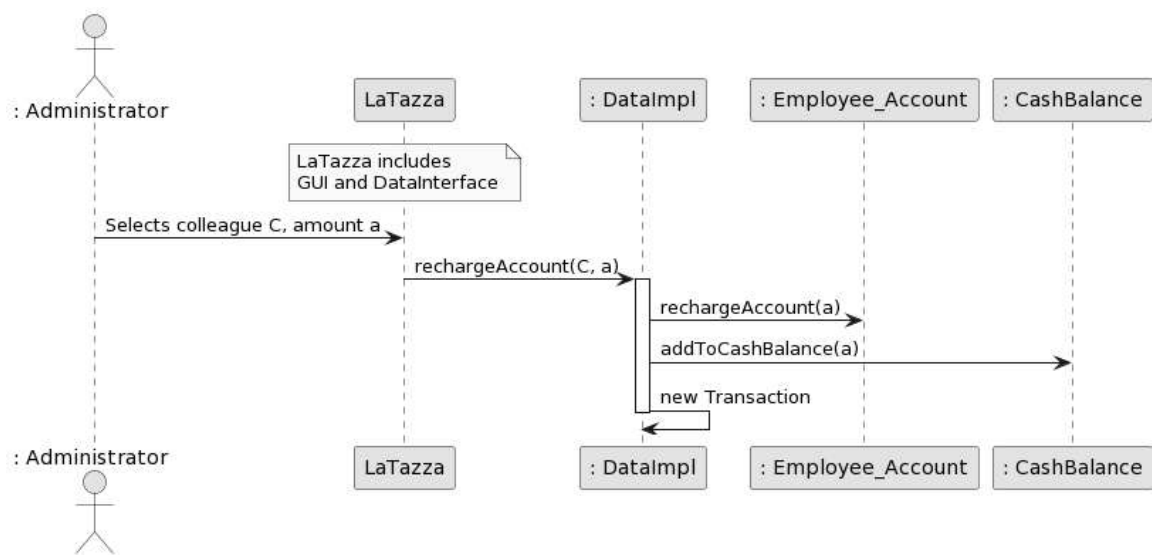
Sequence diagram of Scenario 1 (Scenario ID: SC1)



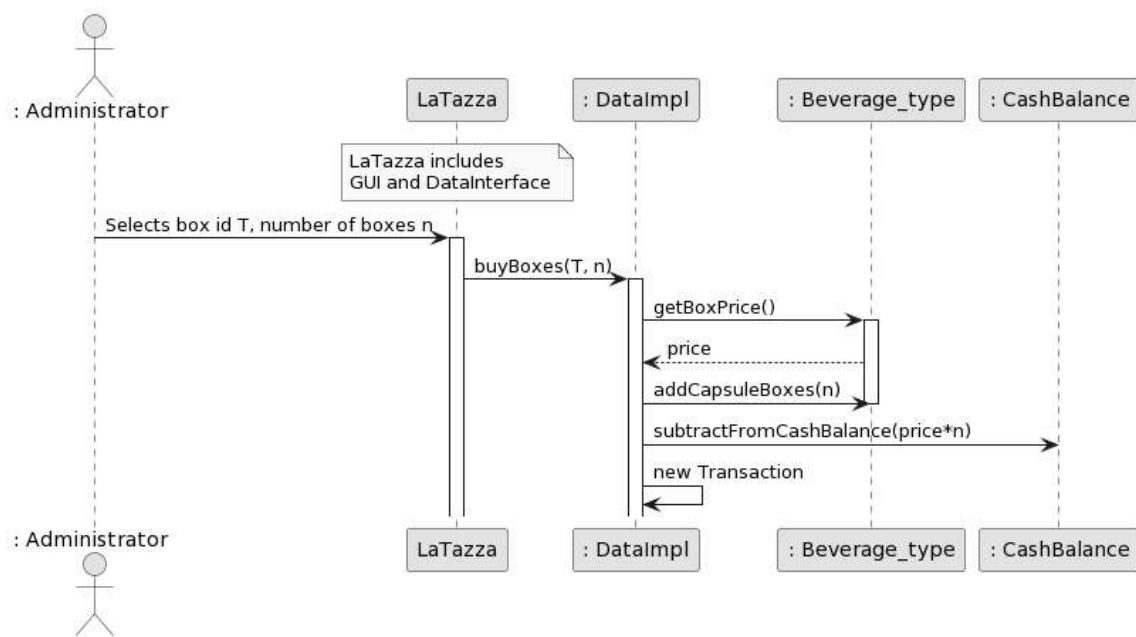
Sequence diagram of Scenario 2 (Scenario ID: SC2)



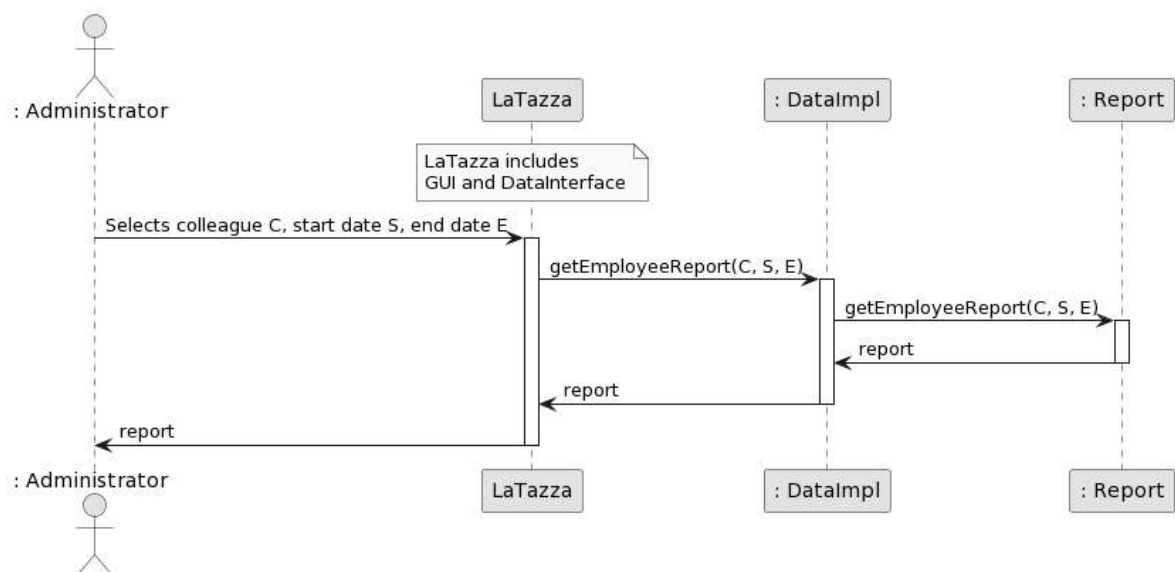
Sequence diagram of Use Case 3 (Use Case ID: UC3)



Sequence diagram of Use Case 4 (Use Case ID: UC4) - Place Order



Sequence diagram of Use Case 5 (Use Case ID: UC5)



Sequence diagram of Use Case 6 (Use Case ID: UC6)

