Cairo University Faculty of Computers and Artificial Intelligence



**Software design specification document**

**2022**

**Project Team**

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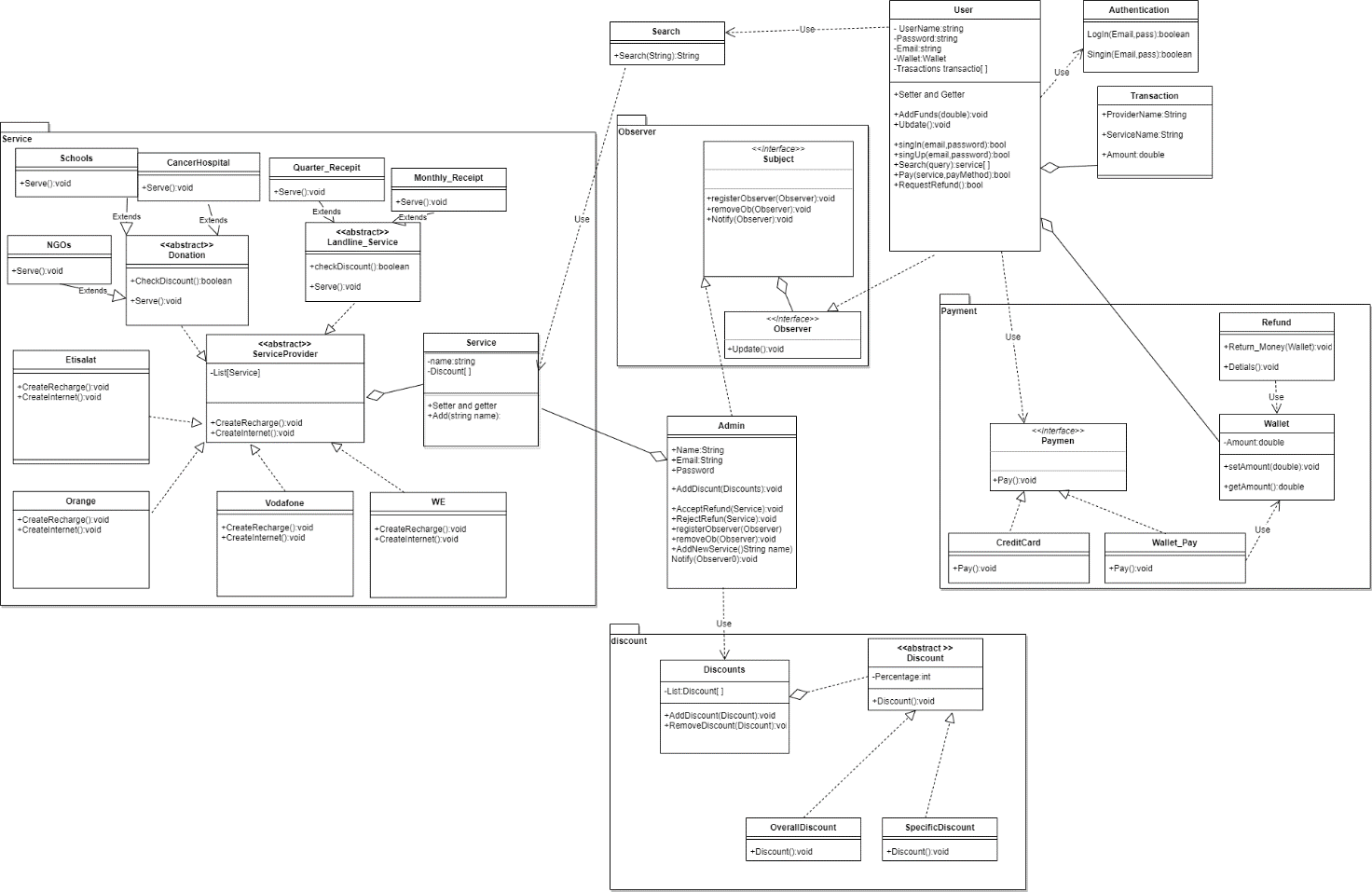
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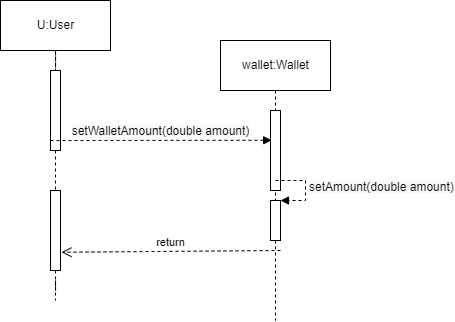
# Class diagram design

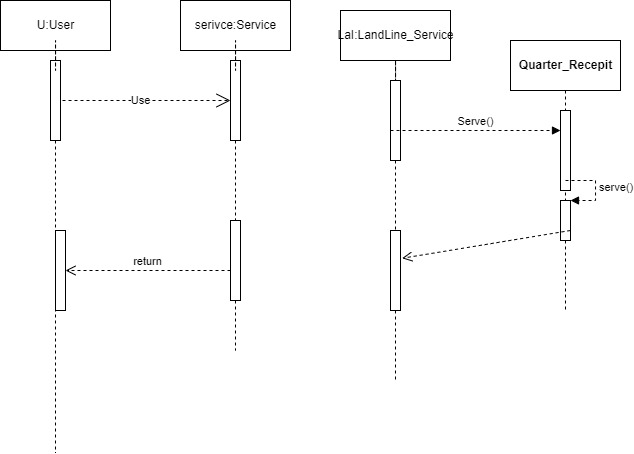


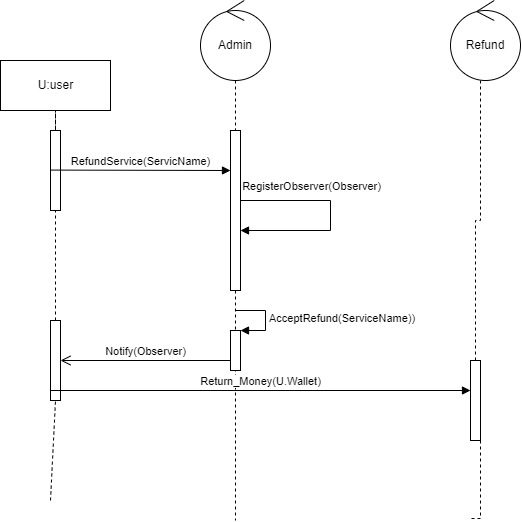
# Class diagram Explanation

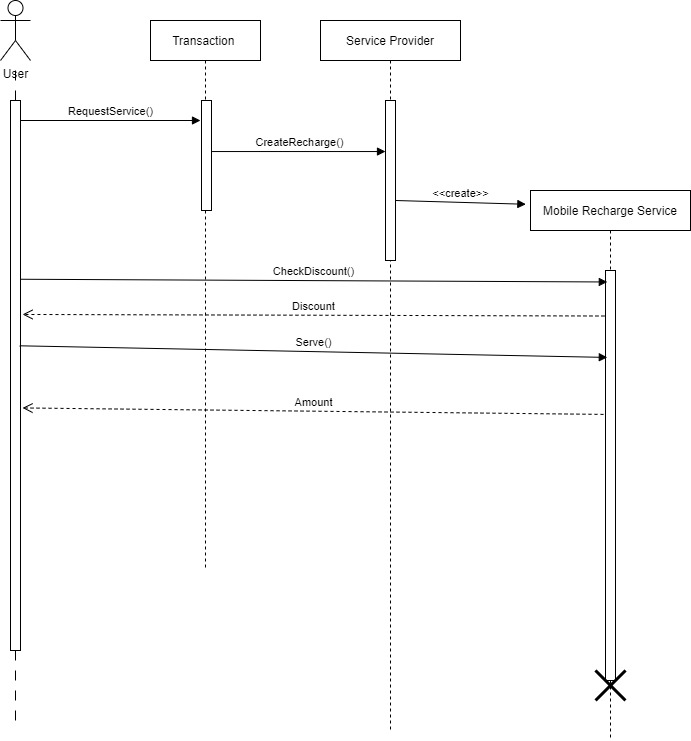
1. Factory Method: we use this pattern in Service Provider, to make it easy to create any type of service provider ,like (WE, Orange,Etisalat,..etc)
2. Observer Pattern: we use this Pattern to make admin notify any user that its refund request accepted or not .
3. Strategy: we use this in many places like Discount to determine what type of discount the admin are going to apply to the Service.

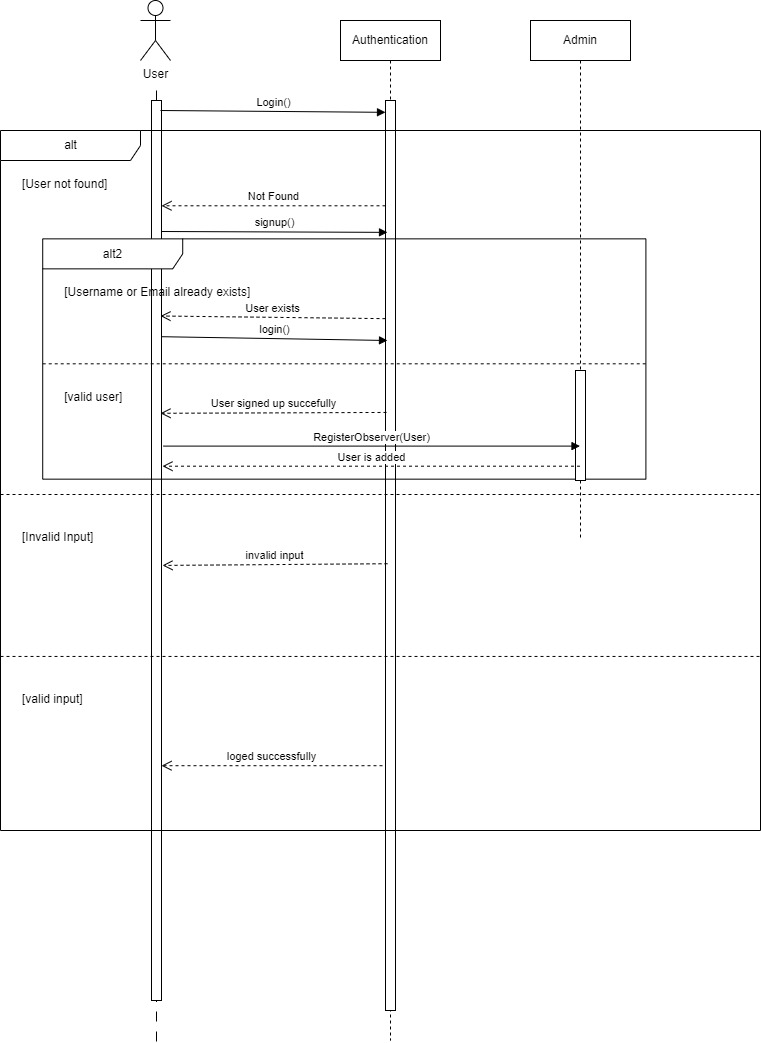
# Sequence diagram design

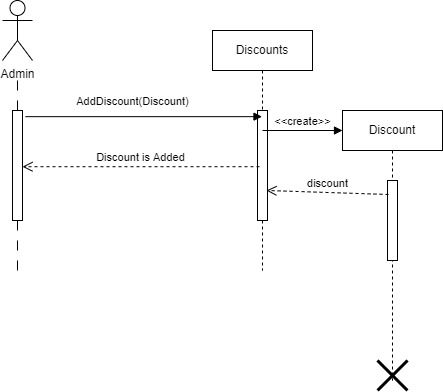


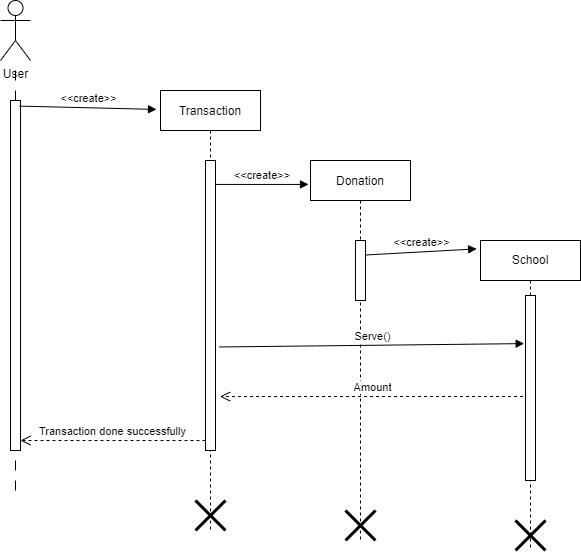
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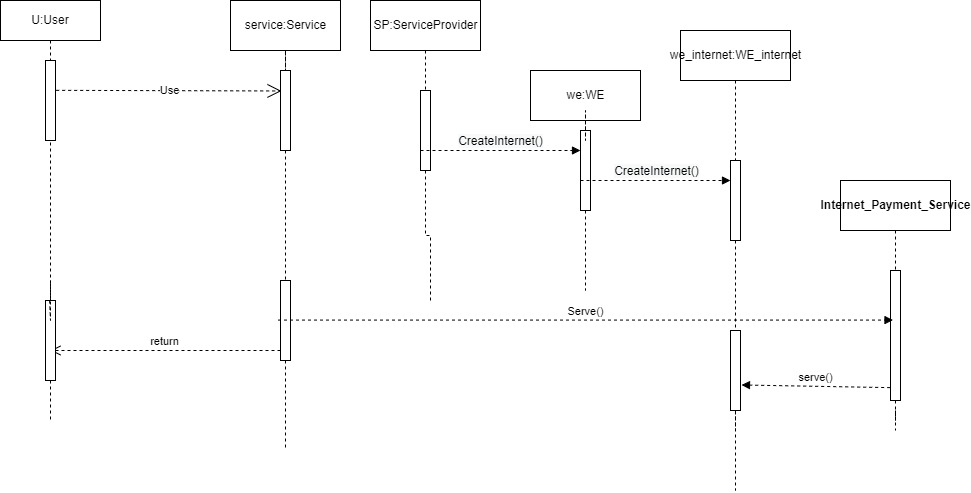
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# Requirements Exposure as Web Service API

**Part 1: Exposed Postman Collection**

**Part 2:**

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| Requirement |  | Exposed API |
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# Github repository link

* **https://github.com/MohammadAyman25-sudo/Software\_Project.git**