Cairo University Faculty of Computers and Artificial Intelligence



**Advanced SE**

**Software design specification document**

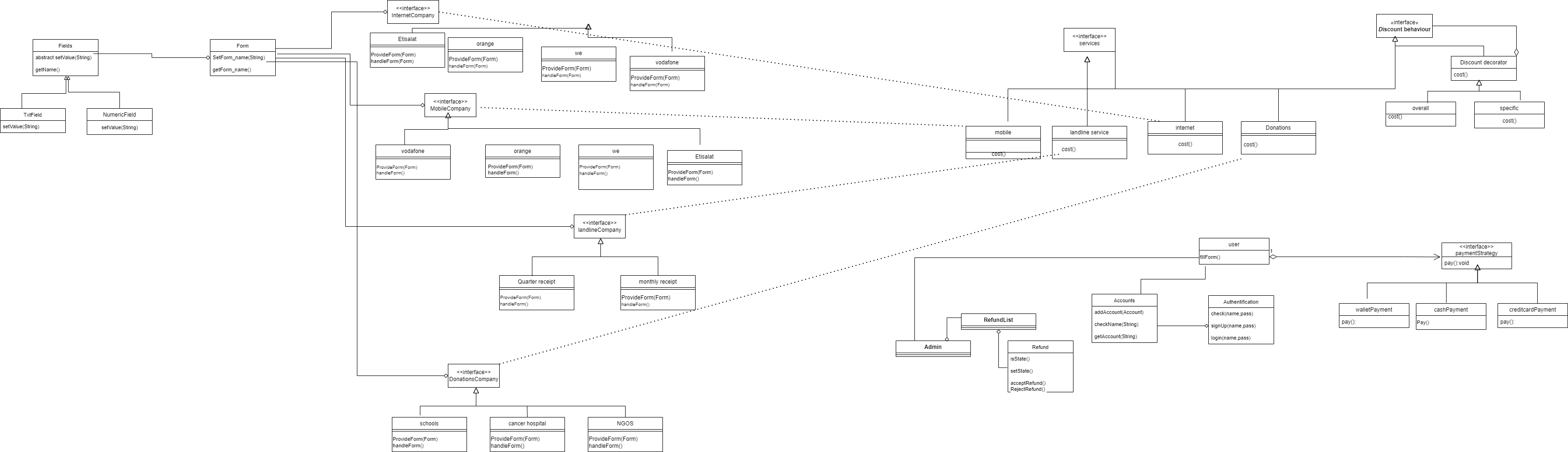
**2022**

**Project Team**

|  |  |  |
| --- | --- | --- |
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# Class diagram design

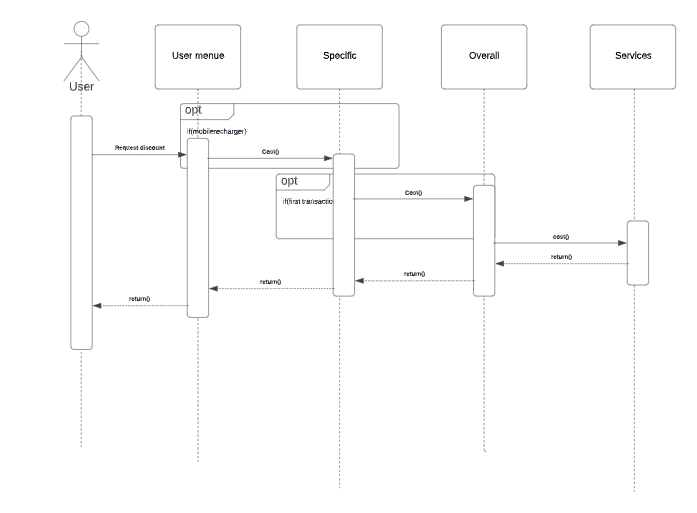
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# Class diagram Explanation

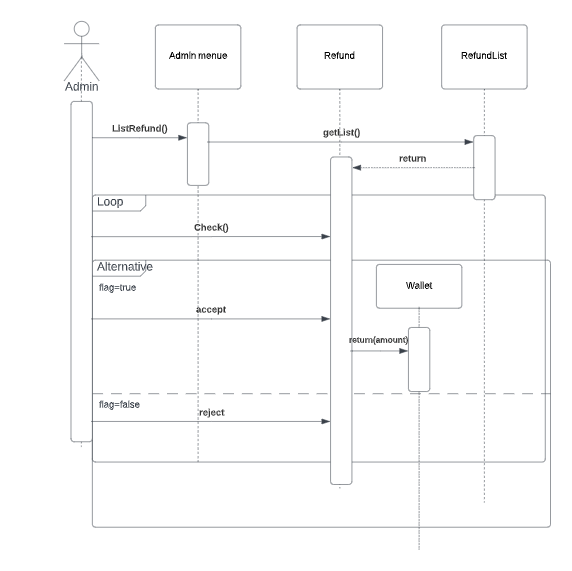
* **Discount ->Decorator** because overall discounts and specific discounts for this service may apply at the same services or provider.
* **Services ->Factory** to create different providers
* **Payment ->Strategy** because it is same action but different way to do.
* **Forms ->Factory** to create different fields

# Sequence diagram design

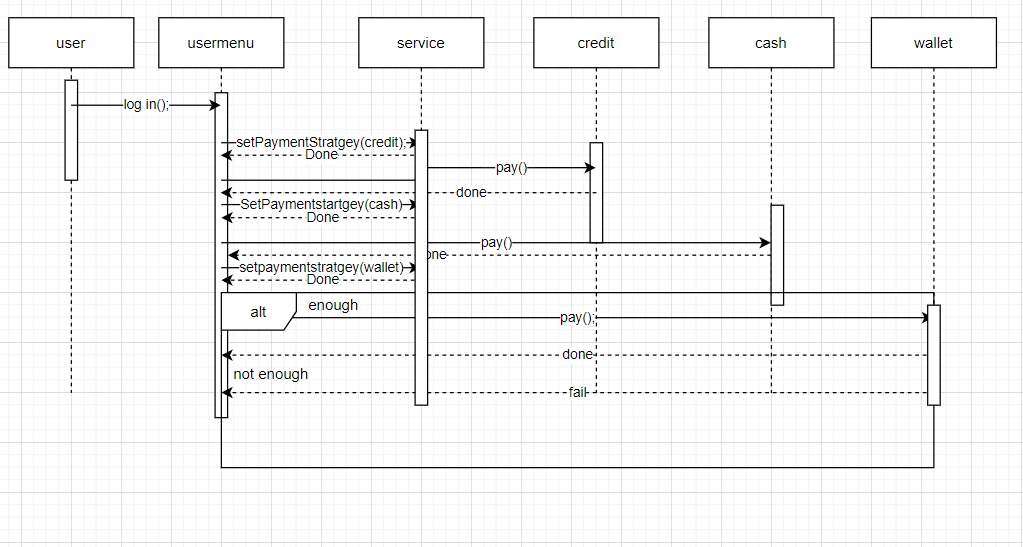
* **Discount**

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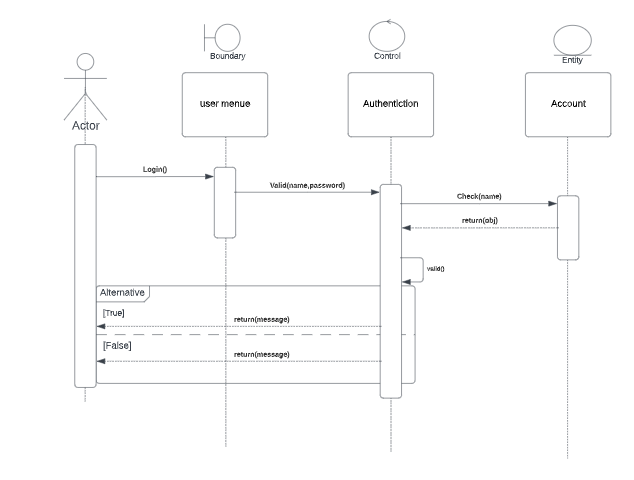
* **Refund List**

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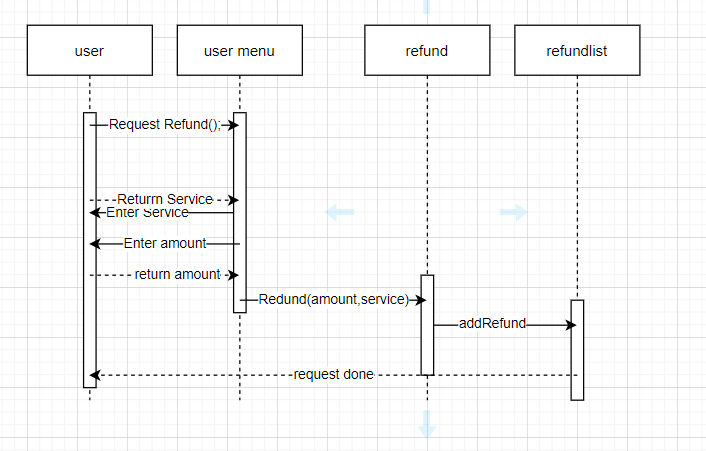
* **Payment**

****

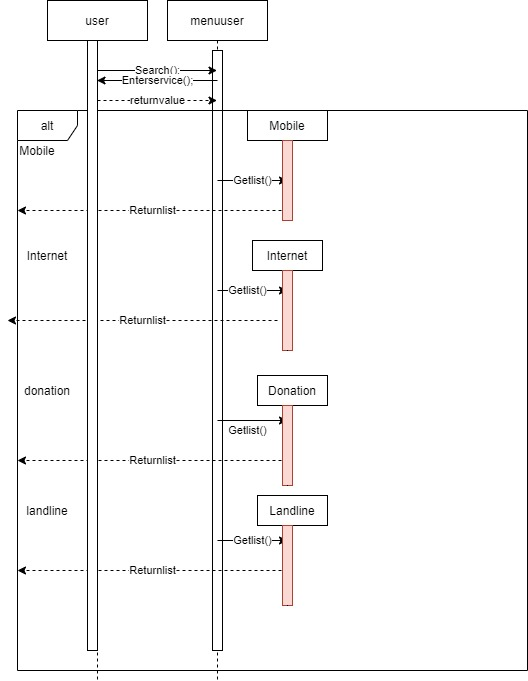
* **Log in**

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* **User Refund**

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* **Search**

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# Github repository link

* **URL for your repository, should contains implemented services**,