Cairo University Faculty of Computers and Information



**Software Engineering II**

**Software design specification document**

**2020**

**Project Team**

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| --- | --- | --- | --- |
| **ID** | **Name** | **Email** | **Mobile** |
| 20170022 | Ahmed Sayed Mansour | ahmed.mans20719@gmail.com | 01117908189 |
| 20170002 | Ibrahim Ramadan Abdou | Ibrahemramadan130@gmail.com | 01152395815 |
| 20170257 | Mohamed Mostafa | mmostafaouda@gmail.com | 01122331195 |
| 20170136 | Atef Magdy Mitwally | Atefmagdy12@gmail.com | 01120797140 |
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**TA. Mohamed Hadad**

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Class diagram design

* **You should provide clean version for your class diagram design.**
* **Class diagram is a static diagram and should not represent any dynamic flow of events.**
* **Put Relationships between classes and the types of the relationships.**
* **Put multiplicity.**
* **Put relationship name (e.g. faculty "offer" course).**
* **Put attributes in the classes.**
* **Put functions & Put parameters.**
* **Put data types of each attributes and the parameters.**
* **Highly perfered: Each class has a corresponding interface**
  + **Let all objects parameters and returns be of interface type.**
* **See Shopping Cart Case Study**



# Sequence diagram design

* **List Sequence diagrams for the most important user story (according to your opinion).**
* **Make sure that each object in the sequence diagram has a corresponding class in the class description table above. If not, it will be REJECTED.**
* **Put actual function calls with proper parameters and return types corresponding to class diagrams.**
* **Following are couple of examples for small / meduim examples. We expect such diagrams, however there is a missing thing in them. Most of calls don’t have parameters. Please always specify the parameters in the call, matching the class diagram.**



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# Github repository link

* https://github.com/AhmedSayedMansour/Online-Store-Platform-API