**Constructo Shop**: is a simple renting web application made for construction tools.

Source code url: <https://github.com/MinaKhalaf/ConstructoShop>

Business logic:

* first login: Username: admin /Password: admin
* choose the items you want to rent
* Enter number of days for each individual tool
* Click on add to cart
* Total price and added loyalty points will appear on the top right
* Click on go to cart to extract your invoice
* Test cases (unit tests) are implemented in the same solution.

Note: -

* The app is fixed for the required 5 items later it will be more dynamic the admin will be able create new categories and assign more tools to them.
* The plan was to host the database and the website on my azure account (and you can see that in my code \*commented\*) but I have an issue with my azure account and I opened a ticket with Microsoft currently to solve this issue.

Extra points covered in the provided solution:

* Logging: I am logging the errors and the log in event in the below folder



* Decent-looking UI: tried to keep the UI as simple as I can.
* Caching: I am Caching some pages for 60 Sec.
* Class and interaction diagrams: Sequence diagram provided in the below folder

