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| Course: | Training as a certified Software Developer C # |

**Trading Journal**

Requirements:

A web application that automatically records the documentation of the positions of a crypto currency trader and gives him the opportunity to provide them with additional data. Dies is intended to support the trader in identifying strengths and weaknesses in his trading strategy and improving them in the long term.

The following tasks are to be realized:

* The application should be operated via web interface
* The Trading Journal should automatically load trades into the system via Websocket connection and/or REST API. The integration is limited to the trading platform ByBit, other platforms are not supported.
* The users should have the possibility to use several ByBit accounts at the same time
* Only API keys that have read-only permissions are allowed. If the API Key also has **write** permissions, the system should reject it.
* Management of orders, positions, and trading entries (an order becomes an item insofar as it is not cancelled, a position consists of several trading entries).
* For each position, the possibility should be given to store its comments and metadata .
* Statistics should be easily visualized (per day and per month)
* The website should be responsive and optimally display content on both mobile and desktop devices
* There should be the possibility to switch between a light and dark design, the preference of the user should also be stored without registration (browser)

System and platform selection:

* Client:
  + Hardware:
    - Standard PC, Single-User System
  + Software:
    - Web Browser
* Server:
  + Hardware:
    - Standard Web Server
  + Software:
    - IIS Web Server
    - Microsoft SQL-Server