

Lessons Learned Register v2

No	Header	Event & Result Description	Lessons Learned Description	Creator	Creation Date
1	Website Setup	In the studies carried out for the website and interface to be presented to the users, the website was designed by creating an html file. Within the scope of the first sprint, designs were made in the form of signing up, logging in, filling out forms.	As a result of this activity, important subjects such as how to develop a website interface, what format should be coded in the file, which steps are required for visualization of the website were learned.	@ Furkan Bol @ Selin Deniz	06.11.2022
2	Using Power BI	It is an important point to present the obtained data to the users visually. The user can visually inspect in a more understandable way. Work has been done to design screens that make it easier to use and understand with Power BI.	Information was obtained about the use of the application in order to visualize the obtained data and present it to the user. Data visualization and analysis images in a few pages of the website were created with the help of this tool.	@ Selin Deniz @ Gizem Kaya	06.11.2022
3	Python Libraries	Analyzing the obtained data is an important study at the point of creating a model. Different libraries and assays can be used for analysis.	Pandas, matplotlib, nltk, beautifulsoup4, requests and numpy libraries were examined and used to carry out the studies. Along with these, studies such as data analysis and sentiment analysis were carried out. Gained information about the use of libraries.	@ Mert Mecit	06.11.2022
4	LSTM Model	Modelling the data is the most important part of the predictions. The data used directly affects succession of the model.	Both ARIMA model which is selected as baseline, and LSTM model which is chosen as the main model for predictions of Brent Crude Oil prices, requires the data to be stationary. Therefore, before fitting the model, stationary testing should be applied to the data and necessary steps should be completed to make the data stationary, if the test fails.	@ Gizem Kaya @ Mert Mecit @ Selin Deniz @ Furkan Bol	27.11.2022