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| Fontys Hogescholen ICT |
| Deployment recommendation  Stock market predictions |
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# Introduction

Stock Market Predictor is a web application that aims to solve the problem of people making the wrong decision when investing. Before every investment a prediction is needed. A stock market prediction is an attempt to forecast the future value of an individual stock. Thanks to it, the user will make safer investments. Predicting a stock value is very complex and time-consuming task thus most people do not have time to study and do it. That's why if they have no experience and still want to invest in stocks, such product is the solution to their problem. The technology's machine learning model will be trained with data of the specific stock and based on this records will make a prediction. This technology has the potential to increase the wealth of every user using it, without him having to spend extra time on researches and looking at data himself/herself. The product will most likely be an android/ios application. This way it will be easier for the user to track the stock’s value from everywhere.

# User Interface of the application

Graphical user interface, application

Description automatically generated

The UI is simple to ensure that people from all ages can use it without problems.

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The user should specify the stock that he/she is interested in on the left picture and the right picture is what the outcome will look like.

# Possible impact on society

This technology has the potential to both increase and decrease the user’s wealth.

Based on the prediction of the model the user can change his entire life. Since this technology involves spending one's money and potentially life savings, all users should be aware of the fact that such technologies cannot always be absolutely accurate and that at the end of the day the investments they make are risks they take themselves. It is possible that the technology's prediction misleads the user into believing that a specific stock's value will increase while in reality it decreases. However, the user has full control on his decisions and his money so he cannot blame the system or hold it responsible for his losses.

Apart from that there is no other impact on the society as this application does not keep any personal data.

# Conclusion

All in all, this application will have a great impact on the society if the users utilize it wisely. If the outcome of the model is combined with some fundamental and technical analysis done by user, it is almost certain that a profit will be made.