



Mobile App Development & Design about Stocks E-learning and Market Prediction

A Final Project
Submitted as one of the requirements to obtain Bachelor of Computer (S.Kom)

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ABSTRACT

This thesis explores the development and design of a mobile application aimed at revolutionizing stocks e-learning and market prediction. With the increasing popularity of stock trading and the demand for accessible learning resources, this research focuses on leveraging mobile technology to provide users with a comprehensive and user-friendly platform.

This thesis provides a comprehensive platform for stock e-learning and market prediction, offering users access to valuable educational resources and tools. It helps individuals increase their understanding of stocks, financial markets, and investment strategies, empowering them to make informed decisions and increase their financial literacy.

The approach utilized to achieve the project goal for the Mobile App Development & Design about Stocks E-learning and Market Prediction involves the following strategies:

- 1) **Requirements Gathering:** Conducting thorough research and analysis to understand the requirements and objectives of the mobile app. This includes identifying the target audience, their needs, and the specific features and functionalities required for effective e-learning and market prediction.
- 2) **User-Centered Design:** Adopting a user-centered design approach to create a seamless and intuitive user interface. This involves conducting user research, creating user personas, and developing user journey maps to ensure that the app meets the needs and preferences of its users.
- 3) **Technology Selection:** Identifying and selecting the appropriate technologies, frameworks, and programming languages for the development of the mobile app. This includes considering factors such as platform compatibility, scalability, security, and performance to ensure a robust and efficient app.
- 4) **Agile Development:** Implementing an agile development methodology to facilitate flexibility, collaboration, and iterative development. This involves breaking down the development process into manageable sprints, conducting regular meetings, and incorporating user feedback to ensure the app's alignment with project goals.
- 5) **Frontend and Backend Development:** Developing the frontend and backend components of the mobile app. This includes designing and implementing the user interface, integrating APIs for real-time market data, developing algorithms for market prediction, and ensuring seamless data flow and functionality.

By utilizing this approach, the Mobile App Development & Design about Stocks E-learning and Market Prediction aims to deliver a user-friendly, feature-rich, and reliable mobile app that provides users with a seamless e-learning experience and accurate market predictions. The approach ensures that the app meets the project's goals, adheres to industry standards, and offers a valuable tool for individuals seeking to enhance their understanding of stocks and make informed investment decisions.

The proposed method for the Mobile App Development & Design about Stocks E-learning and Market Prediction involves optimizing existing functionalities, improving user engagement, and strengthening the overall capabilities of the app. By adding innovative features and implementing novel strategies, the goal is to enhance the user experience and provide unique benefits to users.

By adding advanced data visualization tools, users can gain a deeper understanding of stock market trends and patterns. This allows them to make more informed investment decisions and effectively predict market movements. Additionally, by integrating interactive learning modules, the app fosters active learning and improves user retention of complex financial concepts.

Optimizing the app's algorithm for market prediction enables users to receive accurate and real-time insights. By leveraging machine learning techniques and historical market data, the app can generate more precise predictions, enhancing users' ability to identify profitable investment opportunities.

Improving the user interface and navigation enhances the overall usability of the app. Intuitive design and streamlined user flows make it easier for users to access the desired information, navigate through different sections, and interact with the app effortlessly. This results in a more engaging and enjoyable learning experience.

By boosting social interaction and community features, the app creates a collaborative environment where users can share insights, exchange ideas, and learn from each other. This fosters a sense of belonging and facilitates knowledge sharing among users, further enhancing the learning process.

The result of implementing these additions and optimizations is a Mobile App Development & Design about Stocks E-learning and Market Prediction that offers an enriched learning experience, accurate market predictions, improved usability, and a vibrant user community. This not only equips users with the knowledge and tools to navigate the stock market effectively but also fosters a supportive and engaging learning environment that enhances their overall learning outcomes and investment success.

TABLE OF CONTENTS

PANEL OF EXAMINER APPROVAL	ii
STATEMENT OF ORIGINALITY	iv
SCIENTIFIC PUBLICATION APPROVAL FOR ACADEMIC INTEREST.....	v
ADVISOR APPROVAL FOR JOURNAL/INSTITUTION'S REPOSITORY	vi
PLAGIARISM CHECK RESULT	8
GPT ZERO CHECK.....	9
ABSTRACT	10
DEDICATION.....	12
ACKNOWLEDGEMENT	13
TABLE OF CONTENTS	14
LIST OF TABLES.....	18
LIST OF FIGURES	19
CHAPTER I.....	1
1.1 Background.....	1
1.2 Problem Statement.....	1
1.3 Objectives.....	1
1.4 Scope and Limitations.....	2
1.4.1 Scope	2
1.4.2 Limitations.....	2
1.5 Project Methodology	2
1.6 Final Project Outline.....	3
1.6.1 Chapter I – Introduction	3
1.6.2 Chapter II – Literature Review	3
1.6.3 Chapter III – System Analysis.....	3
1.6.4 Chapter IV – System Design	4
1.6.5 Chapter V – System Implementation	4

1.6.6 Chapter VI – System Testing	4
1.6.7 Chapter VII – Conclusion and Future Works.....	4
CHAPTER II.....	5
2.1 Mobile App Development.....	5
2.2 Stocks E-Learning.....	5
2.3 Market Prediction	6
2.4 Designing User-Centric Experiences with Figma.....	6
2.5 Efficient Programming Language Unleashed with React Native	7
2.6 Ensuring Seamless Performance and Compatibility with NOX.....	7
2.7 Remarks	9
CHAPTER III.....	10
3.1 System Overview	10
3.2 Function Analysis	10
3.3 Use Case Diagram	11
3.4 Use Case Narrative.....	11
3.5 Swim Lane Diagram	22
3.5.1 Swim lane diagram for Register Process.....	22
3.5.2 Swim lane diagram for Login Process.....	23
3.5.3 Swim lane diagram for Stock Prediction	24
3.5.4 Swim lane diagram for Article	25
3.5.5 Swim lane diagram for Video Mindset	26
3.5.6 Swim lane diagram for Quiz.....	27
3.6 Hardware and Software Requirement	28
3.6.1 Hardware	28
3.6.2 Software.....	28
CHAPTER IV.....	30
4.1 User Interface Design.....	30
4.1.1 Login.....	30
4.1.2 Register.....	31
4.1.3 Dashboard.....	33
4.1.4 Stock Prediction.....	34

4.1.5 Trending Article	35
4.1.6 Video Learning	37
4.1.7 Quiz	38
4.1.8 Event.....	40
4.1.9 Detail Article	41
4.1.10 Profile	42
4.1.11 Update Personal Information.....	44
4.1.12 Change Password.....	45
4.1.13 FAQ	46
4.1.14 Privacy Policy.....	47
4.1.15 Terms & Condition.....	48
4.2 Class Diagram.....	49
CHAPTER V.....	50
5.1 User Interface	50
5.1.1 Login.....	50
5.1.2 Register.....	50
5.1.3 Dashboard.....	51
5.1.4 Stock Prediction.....	52
5.1.5 Article	52
5.1.6 Video	53
5.1.7 Quiz	54
5.1.8 Event.....	54
5.1.9 Detail Article	55
5.1.10 Profile	56
5.1.11 Update Information Personal.....	56
5.1.12 Change Password.....	57
5.1.13 FAQ	58
5.1.14 Privacy Policy.....	58
5.1.15 Term & Condition	59
5.2 Application Details	60
5.2.1 Register.....	60
5.2.2 Dashboard.....	62
5.2.3 Video Mindset	63
5.2.4 Quiz	63
5.2.5 Events	64
CHAPTER VI.....	65

6.1 Testing Environment	65
6.2 Testing Scenario	65
6.2.1 Register Interface Testing Scenario.....	65
6.2.2 Login Interface Testing Scenario	66
6.2.3 Dashboard Interface Testing Scenario.....	66
6.2.4 Stock Prediction Interface Testing Scenario	66
6.2.5 Trending Article Interface Testing Scenario	67
6.2.6 Video Mindset Interface Testing Scenario	67
6.2.7 Quiz Interface Testing Scenario	67
6.2.8 Event Interface Testing Scenario.....	68
6.2.9 Detail Article Interface Testing Scenario	68
6.2.10 Profile Interface Testing Scenario	68
6.2.11 Update Information Personal Interface Testing Scenario.....	68
6.2.12 Change Password Interface Testing Scenario	69
6.2.13 FAQ Interface Testing Scenario	69
6.2.14 Privacy Policy Interface Testing Scenario.....	69
6.2.15 Term & Condition Interface Testing Scenario	69
6.3 Testing Summary	70
CHAPTER VII	71
7.1 Conclusion.....	71
7.2 Future Works	71

LIST OF TABLES

Table 2. 1 Comparison	6
<u>Table 3. 1 of Function Description</u>	7
<u>Table 3. 2 Use Case Narrative for “Register Account” Use Case</u>	10
<u>Table 3. 3 Use Case Narrative for “Login Page” Use Case</u>	11
<u>Table 3. 4 Use Case Narrative for “Subscription Class” Use Case.....</u>	12
<u>Table 3. 5 Use Case Narrative for “Stock Prediction” Use Case</u>	14
<u>Table 3. 6 Use Case Narrative for “Article” Use Case.....</u>	15
<u>Table 3. 7 Use Case Narrative for “Video Learning” Use Case.....</u>	16
<u>Table 3. 8 Use Case Narrative for “Quiz” Use Case</u>	18
<u>Table 3. 9 Use Case Narrative for “Logout” Use Case</u>	19
Table 4. 1 Label Description from Figure 4.1	28
Table 4. 2 Label Description from Figure 4.2	29
Table 4. 3 Label Description from Figure 4.3	31
Table 4. 4 Label Description from Figure 4.4	32
Table 4. 5 Label Description from Figure 4.5	34
Table 4. 6 Label Description from Figure 4.6	35
Table 4. 7 Label Description from Figure 4.7	36
Table 4. 8 Label Description from Figure 4.8	38
Table 4. 9 Label Description from Figure 4.9	39
Table 4. 10 Label Description from Figure 4.10	40
Table 4. 11 Label Description from Figure 4.11	41
Table 4. 12 Label Description from Figure 4.12	42
Table 4. 13 Label Description from Figure 4.13	44
Table 4. 14 Label Description from Figure 4.14	45
Table 4. 15 Label Description from Figure 4.15	45

LIST OF FIGURES

Figure 1. 1 Rapid Application Development.....	3
<u>Figure 3. 1 Use Case Diagram</u>	8
<u>Figure 3. 2 Swim Lane Diagram for Register</u>	20
<u>Figure 3. 3 Swim Lane Diagram for Login</u>	21
<u>Figure 3. 4 Swim Lane Diagram for Stock Prediction.....</u>	22
<u>Figure 3. 5 Swim Lane Diagram for Trending Article</u>	23
<u>Figure 3. 6 Swim Lane Diagram for Video Mindset</u>	24
<u>Figure 3. 7 Swim Lane Diagram for Quiz.....</u>	25
<u>Figure 4. 1 Login Page</u>	27
<u>Figure 4. 2 Registration Page</u>	29
<u>Figure 4. 3 Dashboard.....</u>	30
<u>Figure 4. 4 Stock Prediction Page</u>	32
<u>Figure 4. 5 Trending Article Page.....</u>	33
<u>Figure 4. 6 Video Learning Page.....</u>	34
<u>Figure 4. 7 Quiz Page</u>	36
<u>Figure 4. 8 Event Page</u>	37
<u>Figure 4. 9 Detail Article Page</u>	38
<u>Figure 4. 10 Profile Page.....</u>	40
<u>Figure 4. 11 Update Personal Information Page</u>	41
<u>Figure 4. 12 Change Password Page.....</u>	42
<u>Figure 4. 13 FAQ PAGE</u>	43
<u>Figure 4. 14 Privacy Policy Page.....</u>	44
<u>Figure 4. 15 Terms & Condition Page.....</u>	45
<u>Figure 4. 16 Class Diagram</u>	46
<u>Figure 5. 1 Login Page</u>	47
<u>Figure 5. 2 Registration Page</u>	48
<u>Figure 5. 3 Dashboard Page</u>	48
<u>Figure 5. 4 Stock Prediction Page.....</u>	49
<u>Figure 5. 5 Article Page.....</u>	50
<u>Figure 5. 6 Video Mindset Page</u>	50
<u>Figure 5. 7 Quiz Page</u>	51

<u>Figure 5. 8 Events Page</u>	52
<u>Figure 5. 9 Detail Article Page</u>	52
<u>Figure 5. 10 Profile Page</u>	53
<u>Figure 5. 11 Update Personal Information Page</u>	54
<u>Figure 5. 12 Change Password Page</u>	54
<u>Figure 5. 13 FAQ Page</u>	55
<u>Figure 5. 14 Privacy Policy Page</u>	56
<u>Figure 5. 15 Term & Condition Page</u>	56
<u>Figure 5. 16 Register Page</u>	61
<u>Figure 5. 17 Dashboard in stock prediction notification</u>	62
<u>Figure 5. 18 Video Mindset page</u>	63
<u>Figure 5. 19 Quiz page</u>	63
<u>Figure 5. 20 Events page</u>	64