Originality report

COURSE NAME

FYP RSW 2025

STUDENT NAME

ZHI LIN TEH

FILE NAME

Project 1_Teh Zhi Lin_24WMR09291.docx

REPORT CREATED

Sep 1, 2025

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1 of 53 passages

Student passage FLAGGED

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Top web match

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Comprehensive Guide to Project Documentation and Abstracts ... https://www.coursehero.com/file/101625685/FYP-Report-Templatedocx/

2 of 53 passages

Student passage FLAGGED

The project submitted herewith is a result of my own efforts in totality and in every aspect of the project works. All information that has been obtained from other sources had been fully...

Top web match

Declaration The project submitted herewith is a result of my own efforts in totality and in every aspect of the project works. All information that has been obtained from other sources had been fully...

Comprehensive Guide to Project Documentation and Abstracts ... https://www.coursehero.com/file/101625685/FYP-Report-Templatedocx/

3 of 53 passages

Student passage FLAGGED

Acknowledgement would like to express my sincere gratitude to my supervisor, Ms Anurehka A/P Magheswaran for her invaluable guidance, encouragement, and continuous support throughout the course of...

Top web match

Acknowledgement for college project...A basic acknowledgment statement typically reads: "I would like to express my sincere gratitude to (Name) for their invaluable support and guidance throughout the...

8+ Acknowledgement for Project Examples https://www.examples.com/english/acknowledgement-for-project.html

4 of 53 passages

Student passage FLAGGED

Finally, I wish to acknowledge all individuals and organizations who have contributed, directly or indirectly, to the completion of this project.

Top web match

BACS3413 Project II3 Project TitleAcknowledgement Acknowledgement This contains acknowledgement to those who have contributed directly or indirectly to the completion of the project.

Comprehensive Guide to Project Documentation and Abstracts ... https://www.coursehero.com/file/101625685/FYP-Report-Templatedocx/

5 of 53 passages

Student passage CITED

access to consumer assistance in the individual health insurance market should target off-Marketplace populations as well as all populations with low health insurance literacy

Top web match

Access to consumer assistance in the individual health insurance market should target off-Marketplace populations as well as all populations with low health insurance literacy.

Decision-Making Experiences Of Consumers Choosing Individual ... https://pmc.ncbi.nlm.nih.gov/articles/PMC7333350/

6 of 53 passages

Student passage FLAGGED

40% of the respondents possessed a **low level of basic tax knowledge; this** may lead to many Malaysian taxpayers **not** fully utilizing these benefits due to limited **knowledge**

Top web match

Results also indicate that almost **40% of the respondents possessed low level of basic tax knowledge** and **this** results somewhat indicate that the majority of the respondents was **not** well-informed about...

(PDF) The Impact Of Tax Awareness And Tax Knowledge On Tax

... https://www.researchgate.net/publication/376684671_The_Impact_Of_Tax_Awareness_And_Tax_Knowledge_On_Tax_Non-Compliance_From_The_Perspective_Of_Potential_Taxpayers

7 of 53 passages

Student passage FLAGGED

...keeping a lightweight copy of the DOM in memory. When user interact such as clicking a button or receiving new data, react updates the virtual DOM first

Top web match

Change Detection: When a change occurs (for example, a user clicks a button, or new data is received), React updates the Virtual DOM first. It then compares this updated Virtual DOM with the previous...

Virtual DOM vs Real DOM in React: A Comprehensive Comparison https://medium.com/@fa22-bse-112/virtual-dom-vs-real-dom-in-react-a-comprehensive-comparison-672f8e0d8395

8 of 53 passages

Student passage FLAGGED

PHP is compatibility, quick on setup and deployment. PHP finds support across hosting providers including those that operate with shared hosting configurations

Top web match

PHP The technology finds support across hosting providers including those that operate with shared hosting configurations.

Node.js vs PHP: Choosing the Right Backend in 2025 - Webandcrafts https://webandcrafts.com/blog/node-js-vs-php

9 of 53 passages

Student passage CITED

...including those that operate with shared hosting configurations. It operates without complications between most web servers and database thereby enabling flexibility during deployment

Top web match

Compatibility: The programming language operates without complications between most web servers and databases thereby enabling flexibility during deployment.

Node.js vs PHP: Choosing the Right Backend in 2025 - Webandcrafts https://webandcrafts.com/blog/node-js-vs-php

10 of 53 passages

Student passage FLAGGED

Due to the synchronous nature of PHP execution, its performance results are generally slower than those of asynchronous handling solutions for managing high-traffic workloads

Top web match

Performance: The synchronous nature of PHP execution typically produces slower performance results than Node.js's asynchronous handling solution for handling high-traffic workloads.

Node.js vs PHP: Choosing the Right Backend in 2025 - Webandcrafts https://webandcrafts.com/blog/node-js-vs-php

Student passage CITED

...handling solutions for managing high-traffic workloads. It is because **synchronous can lead to reduced speed when handling multiple tasks simultaneously**. (Hrithik Das K, 2025)

Top web match

PHP traditionally follows a synchronous model, which can lead to reduced speed when handling multiple tasks simultaneously.

Node.js vs PHP: Choosing the Right Backend in 2025 - Webandcrafts https://webandcrafts.com/blog/node-js-vs-php

12 of 53 passages

Student passage FLAGGED

...heavily relied on callbacks because of its asynchronous nature. The usage of numerous callbacks produces complicated code structures which modern developers call "callback hell

Top web match

The usage of numerous callbacks produces complicated code structures which modern developers call "callback hell." Promises alongside the async/await style of programming help tackle callback-related...

Node.js vs PHP: Choosing the Right Backend in 2025 - Webandcrafts https://webandcrafts.com/blog/node-js-vs-php

13 of 53 passages

Student passage FLAGGED

CriteriaPythonC++Ease of UseEasy for beginners with simple syntax and strong community support.Difficult to learn with complex syntax and steep learning curve.PerformanceLower performance due to...

Top web match

Criteria Python C++ Ease of Use Easy for beginners with simple syntax and strong community support. Difficult to learn with complex syntax and steep learning curve. Performance Lower performance due...

Python vs C++ for Al: Which Language Should You Choose? https://goldenowl.asia/blog/is-c-or-python-better-for-ai

14 of 53 passages

Student passage CITED

Extensive Al libraries (e.g., NumPy, TensorFlow, PyTorch).Limited Al libraries; requires more effort to use (e.g., Boost, Dlib).

Top web match

Libraries Extensive Al libraries (e.g., NumPy, TensorFlow, PyTorch). Limited Al libraries; requires more effort to use (e.g., Boost, Dlib). Portability

Python vs C++ for Al: Which Language Should You Choose? https://goldenowl.asia/blog/is-c-or-python-better-for-ai

15 of 53 passages

Student passage FLAGGED

PortabilityHighly portable across multiple platforms with minimal changes.

Top web match

Limited Al libraries; requires more effort to use (e.g., Boost, Dlib). **Portability Highly portable across multiple platforms** with minimal changes.

Python vs C++ for Al: Which Language Should You Choose? https://goldenowl.asia/blog/is-c-or-python-better-for-ai

Student passage CITED

Less portable, may require modifications or recompilation for different platforms.

Top web match

Highly portable across multiple platforms with minimal changes. Less portable, may require modifications or recompilation for different platforms. Is C better than Python for Al?

Python vs C++ for AI: Which Language Should You Choose? https://goldenowl.asia/blog/is-c-or-python-better-for-ai

17 of 53 passages

Student passage CITED

...and React. (Python Vs. C++: Differences and Uses, 2023) In terms of simplicity, Python is much easier to use and has a great support system when it comes to Al and ML frameworks

Top web match

In terms of simplicity, Python is much easier to use and has a great support system when it comes to Al and ML frameworks. Advertise with us.

Difference between Python and C++ - GeeksforGeeks https://www.geeksforgeeks.org/python/difference-between-python-and-c/

18 of 53 passages

Student passage FLAGGED

MongoDBMySQLData ModelMongoDB stores data in JSON documents, then organizes them into collections.MySQL stores data in columns and rows. Data storage is tabular and relational.ScalabilityMongoDB uses...

Top web match

MongoDB MySQL Data model MongoDB stores data in JSON documents, then organizes them into collections. MySQL stores data in columns and rows. Data storage is tabular and relational. Scalability MongoDB...

MongoDB vs MySQL - Difference Between Database Management ... <u>https://aws.amazon.com/compare/the-difference-between-mongodb-vs-mysql/</u>

19 of 53 passages

Student passage FLAGGED

FlexibilityMongoDB does not have a schema, providing more flexibility and allowing it to work with unstructured, semi-structured, and structured data.MySQL has a rigid schema that works well with...

Top web match

Flexibility MongoDB does not have a schema, providing more flexibility and allowing it to work with unstructured, semi-structured, and structured data. MySQL has a rigid schema that works well with...

 ${\tt MongoDB\ vs\ MySQL\ -\ Difference\ Between\ Database\ Management\ ...\ \ } \underline{{\tt https://aws.amazon.com/compare/the-difference-between-mongodb-vs-mysql/}}$

20 of 53 passages

Student passage FLAGGED

Despite its robust features, Visual Studio Code is free, open-source and relatively lightweight, making it a top choice for projects of all sizes. Due to the active open-source community, updates, bug...

Top web match

Despite its robust features, Visual Studio Code is relatively lightweight, making it a top choice for projects of all sizes...The active open-source community ensures frequent updates, bug fixes, and...

Top 10 IDEs for Developers in 2025 - Design Gurus https://www.designgurus.io/blog/top-10-ides-for-developers-in-2025

21 of 53 passages

Student passage CITED

...applications within the JavaScript ecosystem. It provides programmers with advanced coding assistance to enhance code development in new web frameworks like React, Vue

Top web match

Integration with Git. Advanced coding assistance for better code development in new web frameworks such as React, Vue, etc. Analyze the result to provide the best code compilation results.

23 Best Web Development IDEs For 2025 | LambdaTest https://www.lambdatest.com/blog/web-development-ides/

22 of 53 passages

Student passage CITED

...Web Developers, 2025) However, it is a paid software, ongoing cost might be a barrier for freelancers or small teams on a budget. (Ahmad, 2025)

Top web match

Cons Ongoing cost might be a barrier for freelancers or small teams on a budget. Larger than minimal editors; can take time to launch.

Top 10 IDEs for Developers in 2025 - Design Gurus https://www.designgurus.io/blog/top-10-ides-for-developers-in-2025

23 of 53 passages

Student passage FLAGGED

...to enhance the editor's capabilities. (Rajora, 2025) It is a shareware cross-platform source code editor that supports various programming languages

Top web match

As a shareware cross-platform source code editor, it supports a diverse range of programming languages. sublime text. Top Features:.

23 Best Web Development IDEs For 2025 | LambdaTest https://www.lambdatest.com/blog/web-development-ides/

24 of 53 passages

Student passage FLAGGED

...languages, including C, HTML, Python, and JavaScript. However, Sublime lacks built-in debugging or version control; relies on plugins for advanced functionality

Top web match

Cons Lacks built-in debugging or version control; relies on plugins for advanced functionality. Requires a one-time purchase beyond the trial period.

Top 10 IDEs for Developers in 2025 - Design Gurus https://www.designgurus.io/blog/top-10-ides-for-developers-in-2025

25 of 53 passages

Student passage FLAGGED

Additionally, it supports version control systems like Git and integrates with various machine learning libraries and frameworks like TensorFlow, PyTorch, and sci-kit-learn

Top web match

Additionally, it supports version control systems like Git and integrates with various machine learning libraries and frameworks like TensorFlow, PyTorch, and sci-kit-learn.

7 Best Python IDE for Data Science and Machine Learning https://www.projectpro.io/article/best-python-ide-for-data-science-and-machine-learning/812

26 of 53 passages

Student passage CITED

While PyCharm may have a steeper learning curve than other IDEs, it provides an excellent development environment for machine learning projects. (7 Best Python IDE for Data Science and Machine...

Top web match

While PyCharm may have a steeper learning curve than other IDEs, it provides an excellent development environment for machine learning projects.

7 Best Python IDE for Data Science and Machine Learning https://www.projectpro.io/article/best-python-ide-for-data-science-and-machine-learning/812

27 of 53 passages

Student passage FLAGGED

...making them ideal for regulatory environments or baseline systems. **Developers create** the **rules based on human expert knowledge** in **the system**. Then, if the input data receive by the system...

Top web match

Developers create rules based on human expert knowledge, which then enable **the system** to process input data and produce a result.

Choosing between a rule-based vs. machine learning system https://www.techtarget.com/searchenterpriseai/feature/How-to-choose-between-a-rules-based-vs-machine-learning-system

28 of 53 passages

Student passage FLAGGED

Rule-based systems are exact and do not have learning capabilities, they can only function within the parameters of their initial programming. When a system is burdened with too many rules...

Top web match

Limited scope. Rule-based systems are exact and do not have learning capabilities, which limits them to working only within the confines of their original programming.

Choosing between a rule-based vs. machine learning system https://www.techtarget.com/searchenterpriseai/feature/How-to-choose-between-a-rules-based-vs-machine-learning-system

29 of 53 passages

Student passage FLAGGED

The idea behind decision trees is to create a model that predicts the value of a target variable by learning straightforward decision rules derived from the data features

Top web match

The goal is to create a model that predicts the value of a target variable by learning simple decision rules inferred from the data features. A tree can be seen as a piecewise constant approximation.

1.10. Decision Trees - Scikit-learn https://scikit-learn.org/stable/modules/tree.html

30 of 53 passages

Student passage FLAGGED

Incremental is one of the well-known software process models. There are two types of incremental model which is staged delivery and parallel development model

Top web match

There are generally two types of incremental models: the Staged Delivery Model and the Parallel Development Model. These models vary in how they organise and execute the incremental development...

What is Incremental Model in Software Engineering? - Hero Vired https://herovired.com/learning-hub/blogs/incremental-model-in-software-engineering/

31 of 53 passages

Student passage FLAGGED

the system in a sequence of stages while parallel development model develops the functional part simultaneously at the same time by different development teams

Top web match

The diagram below shows this model: staged-delivery-model Staged Delivery Model. Parallel Development Model. **The Parallel Development Model** divides **the** system into multiple modules that are developed...

Incremental Process Model - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-incremental-process-model/

32 of 53 passages

Student passage FLAGGED

Use case of the incremental process model is when the requirements are well-defined and clear because increments can be planned and developed

Top web match

Use Cases of Incremental Process Model Because increments can be planned and developed step-by-step with minimal requirement changes. ...

Incremental Process Model - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-incremental-process-model/

33 of 53 passages

Student passage FLAGGED

...the important feature first, incremental is suitable as it allows early feedback on key functionalities and better prioritization for subsequent increments

Top web match

This allows early feedback on key functionalities and better prioritization for subsequent increments. Note: The Model is not ideal when the software development team is not highly skilled or...

Incremental Process Model - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-incremental-process-model/

34 of 53 passages

Student passage CITED

model is not ideal with software development team that is not professional and experienced because managing increments and integrating them will requires a competent team

Top web match

This allows early feedback on key functionalities and better prioritization for subsequent increments. Note: The **Model is not ideal** when the **software development team is not** highly skilled or ...

Incremental Process Model - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-incremental-process-model/

35 of 53 passages

Student passage FLAGGED

High effort to fix repeated issues as a defect in one increment may exist in others. Fixing same issue can be time-consuming and resource-intensive.

Top web match

High Effort to Fix Repeated Issues A defect in one increment may exist in others. Fixing the same issue across multiple units can be time-consuming and resource-intensive.

Incremental Process Model - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-incremental-process-model/

36 of 53 passages

Student passage FLAGGED

Cost-effective as budget is spread across stages, making it easier to manage finances.

Top web match

Compared to models like the Waterfall, the incremental model is generally more cost-efficient. **Budget is spread across stages**, **making it easier to manage finances**. Simpler Error Identification

Incremental Process Model - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-incremental-process-model/

37 of 53 passages

Student passage FLAGGED

...implemented, it is suitable to use Agile model as **new changes can be implemented at low cost due to the frequency of new increments**. Agile Model is required limited planning to start a...

Top web match

New changes can be implemented at a very low cost due to the frequency of new increments. Implementing a new feature requires developers to lose only a few days or even just hours of work to get it...

Agile Development Models - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-agile-development-models/

38 of 53 passages

Student passage FLAGGED

The Agile Model is a combination of iterative and incremental process model. First step of Agile is requirement gathering, which...

Top web match

The Agile Model is a combination of iterative and incremental process models. The phases involve in Agile (SDLC) Model are: Requirement Gathering; Design the Requirements; Construction / Iteration;...

Agile Development Models - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-agile-development-models/

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Student passage FLAGGED

...iteration. In this step, development team will work on coding and implementations, new functionalities will be integrated into the software for that specific iteration

Top web match

Coding and Implementation: New functionalities are coded and integrated into the software based on the goals for that specific iteration.

Agile Development Models - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-agile-development-models/

40 of 53 passages

Student passage FLAGGED

Lack of formal documents may create confusion and decisions taken during different phases can be misinterpreted.

Top web match

Disadvantages of the Agile Model The lack of formal documents creates confusion and important decisions taken during different phases can be misinterpreted at any time by different team members.

Agile Development Models - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-agile-development-models/

41 of 53 passages

Student passage FLAGGED

Not suitable for handling complex dependencies.

Top web match

It is **not suitable for handling complex dependencies**. The agile model depends highly on customer interactions so if the customer is not clear, then the development team can be driven in the wrong...

Agile Development Models - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-agile-development-models/

42 of 53 passages

Student passage FLAGGED

Difficult to plan and forecast project timelines and deliverables as it often involves working in short sprints.

Top web match

Agile development models often involve working in short sprints, which can make it **difficult to plan and forecast project timelines and deliverables**.

Agile Development Models - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-agile-development-models/

43 of 53 passages

Student passage FLAGGED

Need expertise team as the team need to be able to adapt to changing requirements and work in an iterative environment.

Top web match

Agile development models require a high degree of **expertise** from **team** members, **as** they **need to be able to adapt to changing requirements and work in an iterative environment**. This can be challenging...

Agile Development Models - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering-agile-development-models/

44 of 53 passages

Student passage FLAGGED

V-model software process model is a method that include the testing and validation process in each development phase. Below diagram clearly shows the phases of V-Model. (SDLC...

Top web match

What is SDLC V-Model? V-model in Software Development Life Cycle (SDLC) is a method in that include the testing and validation alongside each development phase.

What is v model methodology - Grafiche Giglio Tos https://grafichegigliotos.it/images/fckeditor/file/53303333766.pdf

45 of 53 passages

Student passage FLAGGED

...traceable requirements. In addition, V-Model is well suit for **complex projects** as it **offers way to manage testing** activities and reduce the high risks of problems found in complex projects

Top web match

Complex Projects: The V-Model offers a methodical way to manage testing activities and reduce risks related to integration and interface problems for projects with a high level of complexity and...

SDLC V-Model - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering

46 of 53 passages

Student passage CITED

emphasis on rigorous verification and validation procedures could highly support safely-critical systems as it ensures possible risks are found and eliminated in the early

Top web match

They place a strong **emphasis on** rigid **verification and validation procedures**, which help to guarantee that essential system requirements are fulfilled and that **possible risks are found and eliminated**...

SDLC V-Model - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering/software-engineering/software-engineering/software-engineering-sdlc-v-model/

47 of 53 passages

Student passage FLAGGED

V-Model strong emphasis on documentation which can lead to overreliance on documentation.

Top web match

This model does not support iteration of phases. The **V-Model** places a **strong emphasis on documentation**, **which can lead to** an **overreliance on documentation** at the expense of actual development work.

SDLC V-Model - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering

48 of 53 passages

Student passage FLAGGED

Provide clear and structured development process, making it easier to understand and follow.

Top web match

It enables project management to track progress accurately. The V-Model provides a **clear and structured** process for software **development**, **making it easier to understand and follow**.

 $SDLC\ V-Model\ -\ Software\ Engineering\ -\ Geeks for Geeks\ \underline{https://www.geeksforgeeks.org/software-engineering/software-engineering/software-engineering}/\underline{software-engineering/software-engineering/software-engineering}/\underline{software-engineering/software-engineering/software-engineering}/\underline{software-engineering/software-engineering/software-engineering}/\underline{software-engineering/software-engineering}/\underline{software-engineering/software-engineering/software-engineering}/\underline{software-engineering/software-engineering}/\underline{software-engineerin$

49 of 53 passages

Student passage FLAGGED

Easy to trace changes as V-Model provides clear link between requirements and the final product.

Top web match

The **V-Model provides** a **clear link between** the **requirements and the final product**, making it easier to trace and manage changes to the software.

SDLC V-Model - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering

50 of 53 passages

Student passage CITED

Does not support iteration of phases

Top web match

It is not suitable for projects where requirements are not clear and contain a high risk of changing. This model **does not support iteration of phases**.

SDLC V-Model - Software Engineering - GeeksforGeeks https://www.geeksforgeeks.org/software-engineering

51 of 53 passages

Student passage FLAGGED

Schedule feasibility evaluates whether the project can be completed within the given academic timeframe. The development extends from March to December 2025 with...

Top web match

Scheduling (Time) Feasibility. Scheduling **feasibility evaluates whether the project can be completed within the** required **timeframe**. This study assesses project deadlines and ensures the schedule is...

Project Feasibility Study: Assessment, Analysis, and Report Types https://galorath.com/project/feasibility/

52 of 53 passages

Student passage FLAGGED

The system should be available 99% of the time, excluding scheduled maintenance. Portability

Top web match

We guarantee that our network will be available 99% of the time (excluding scheduled maintenance and emergency maintenance). If we incur an outage to the HQserv ...

Service Level Agreement - HQserv https://www.hqserv.co.il/service-level-agreement

53 of 53 passages

Student passage CITED

The class diagram describes the structure of the Insurance Plan Recommendations system by showing the system's classes, attributes, functions and show the relationships among

Top web match

In software engineering, a class diagram in the Unified Modeling Language (UML) is a type of static structure diagram that describes the structure of a system by showing the system's classes, their ...

Class diagram - Wikipedia https://en.wikipedia.org/wiki/Class_diagram