THE INDEPENDENT
INSTITUTE OF
IIE EDUCATION

MODULE NAME:	MODULE CODE:
WEB DEVELOPMENT (INTERMEDIATE)	**WEDE6021**

ASSESSMENT TYPE: POE (PAPER)

TOTAL MARK ALLOCATION: 100 MARKS

TOTAL HOURS: A MINIMUM OF 15 HOURS IS SUGGESTED TO COMPLETE THIS ASSESSMENT

By submitting this assignment, you acknowledge that you have read and understood all the rules as per the terms in the registration contract, in particular the assignment and assessment rules in The IIE Assessment Strategy and Policy (IIE009), the intellectual integrity and plagiarism rules in the Intellectual Integrity Policy (IIE023), as well as any rules and regulations published in the student portal.

INSTRUCTIONS:

1. ***Make a copy of your assignment before handing it in.***
2. *Assignments must be typed unless otherwise specified.*
3. *All work must be adequately and correctly referenced.*
4. *Begin each section on a new page.*
5. *Follow all instructions on the assignment cover sheet.*
6. *This is **a group assignment** with **some sections requiring individual submissions. The group size is two (2) members.***

Referencing Rubric

Providing evidence based on valid and referenced academic sources is a fundamental educational principle and the cornerstone of high-quality academic work. Hence, The IIE considers it essential to develop the referencing skills of our students in our commitment to achieve high academic standards. Part of achieving these high standards is referencing in a way that is consistent, technically correct and congruent. This is not plagiarism, which is handled differently.

Poor quality formatting in your referencing will result in a penalty **of a maximum of ten percent** being deducted from the percentage **awarded**, according to the following guidelines. Please note, however, that **evidence of plagiarism in the form of copied or uncited work (not referenced), absent reference lists, or exceptionally poor referencing, may result in action being taken in accordance with The IIE's Intellectual Integrity Policy (0023)**.

Markers are required to provide feedback to students by indicating **(circling/underlining) the information that best describes the student's work.**

Minor technical referencing errors: 5% deduction from the overall percentage – the student's work contains **five or more errors** listed in the minor errors column in the table below.

Major technical referencing errors: 10% deduction from the overall percentage – the student's work contains **five or more errors** listed in the major errors column in the table below**.**

If both minor and major errors are indicated, then 10% only (and not 5% or 15%) is deducted from the overall percentage. The examples provided below are not exhaustive but are provided to illustrate the error

Required: **Technically correct referencing style**	**Minor errors in technical correctness of referencing style** **Deduct 5% from percentage awarded**	**Major errors in technical correctness of referencing style** **Deduct 10% from percentage awarded**
Consistency • The same referencing format has been used for all in-text references and in the bibliography/reference list.	Minor inconsistencies. • The referencing style is generally consistent, but there are one or two changes in the format of in-text referencing and/or in the bibliography. • For example, page numbers for direct quotes (in-text) have been provided for one source, but not in another instance. Two book chapters (bibliography) have been referenced in the bibliography in two different formats.	Major inconsistencies. • Poor and inconsistent referencing style used in-text and/or in the bibliography/ reference list. • Multiple formats for the same type of referencing have been used. • For example, the format for direct quotes (in-text) and/or book chapters (bibliography/ reference list) is different across multiple instances.
Technical correctness Referencing format is technically correct throughout the submission. Position of the reference: a reference is directly associated with every concept or idea. For example, quotation marks, page numbers, years, etc. are applied correctly, sources in the bibliography/reference list are correctly presented.	**Generally, technically correct with some minor errors.** • The correct referencing format has been consistently used, but there are one or two errors. • Concepts and ideas are typically referenced, but a reference is missing from one small section of the work. • Position of the references: references are only given at the beginning or end of every paragraph. • For example, the student has incorrectly presented direct quotes (in-text) and/or book chapters (bibliography/reference list).	**Technically incorrect.** • The referencing format is incorrect. • Concepts and ideas are typically referenced, but a reference is missing from small sections of the work. • Position of the references: references are only given at the beginning or end of large sections of work. • For example, incorrect author information is provided, no year of publication is provided, quotation marks and/or page numbers for direct quotes missing, page numbers are provided for paraphrased material, the incorrect punctuation is used (in-text); the bibliography/reference list is not in alphabetical order, the incorrect format for a book chapter/journal article is used, information is missing e.g. no place of publication had been provided (bibliography); repeated sources on the reference list.
Congruence between in-text referencing and bibliography/ reference list • All sources are accurately reflected and are all accurately included in the bibliography/ reference list.	**Generally, congruence between the in-text referencing and the bibliography/ reference list with one or two errors.** • There is largely a match between the sources presented in-text and the bibliography. • For example, a source appears in the text, but not in the bibliography/ reference list or vice versa.	**A lack of congruence between the in-text referencing and the bibliography.** • No relationship/several incongruencies between the in-text referencing and the bibliography/reference list. • For example, sources are included in-text, but not in the bibliography and vice versa, a link, rather than the actual reference is provided in the bibliography.
In summary: the recording of references is accurate and complete.	In summary, at least **80%** of the sources are correctly reflected and included in a reference list.	In summary, at least **60%** of the sources are incorrectly reflected and/or not included in reference list.

Overall Feedback about the consistency, technical correctness and congruence between in-text referencing and bibliography:

....

....

Portfolio of Evidence (PoE) — Background __

In today's society, the internet plays a very critical role. Under the Covid-19 restrictions, online shopping became very popular and the trend has continued post-lockdown. You have been tasked to create an online shop for branded used clothing that is very good condition. The shop is called "Pastimes".

Pastimes needs to make it easier and safer for their customers to sell and buy used clothing online. The e-store should enable the customers to trade used clothing online. You must create a user-friendly web application for customers who are buying and selling second-hand clothing.

The features, design and layout of your web application is your personal choice, but the web application must be able to complete at least the following Parts:

- The user must be able to register as a user using the application. The registration information must be stored in a MySQL database.
- Users must fill in their name and email address fields when registering and then create a username and password.
- An 8-character password must be created and confirmed as the correct password.
- The user must be able to login into the application using a username and password. This information must be retrieved from the database.
- Enter delivery details.

User Functionality (buyer):

Buyers of used clothing must be able to do the following:

- View pictures of the **used** clothing that has been loaded onto the application.
- Send a message asking if an item of clothing is still available.
- Buy a used item of clothing.
- View their shopping cart and edit items in the cart.

User Functionality (seller):

Pastimes' administrators will load the details of **used** clothes that customer's wish to sell. For the user to start selling their clothes, the administrators need to confirm the following details of the users (sellers):

- Verify that the seller is registered on the website before the options to sell/upload the clothes are available to the buyer (from the MySQL database).

- Remove clothes from the database that have been sold.

- Communicate with all users regarding clothes that are being sold.

- Make sure that clothes bought are delivered to the buyers.

- Liaise between the buyer and the seller.

These features are the minimum that's required. Your web application also needs to work logically and be easy to use. Speak to your lecturer about how best your app can implement all these features.

Your final mark will be calculated as follows:

	TOTAL MARK	WEIGHTING PERCENTAGE
PART 1	100	25%
PART 2	100	30%
POE	100	35%
ICE	100	10%
FINAL MARK	100	100%

Instructions __

This portfolio of evidence consists of three parts (Part 1, Part 2 and the final wrapping together of the POE). All feedback provided by your lecturer must be included in subsequent submissions. You must include all documentation of your website and database tables.

You may be expected to research topics that were not covered in your lectures for your Parts. Any coding obtained from an external source must be referenced within your script at that point of usage. All code/scripts must contain your student number, name and surname and a declaration or statement that the coding is your own work where not referenced.

Categorise your submission documentation in folders, e.g., Root folder with html and php root files and documentation such as the report, ERD and self-evaluation within a Word document:

- CSS sub folder;
- js sub folder;
- images sub folder.

Details for PoE:

The POE is broken down into three parts that must function as one web application. Your POE will demonstrate your understanding of:

- PHP scripting;
- Functions and control structures;
- Manipulation of strings;
- Handling of user input;
- Manipulating arrays;
- Working with databases and MySQL;
- Manipulating MySQL Databases with PHP;
- Managing State Information
- Object Oriented PHP;
- Implementation of Object-Oriented PHP on the e-clothesStore.

Please note that when completing the three parts of the POE, you are required to use good coding standards. Please refer to the marking rubric which indicates how your coding will be assessed.

PART 1 — Research, Planning and Design   **(Marks: 100)**

This part is composed of two sections:

- Research (Section 1)

- Planning and design (Section 2)

It is recommended that you create two separate documents – one for each section. You will work on **Part 1 as a group of two members** so you must include the student numbers and names of **both** group members in the documents.

Section 1   **(Marks: 50)**

In this section, you are required to <u>research two</u> existing online pre-used clothing selling store websites and then write up your findings in the essay below. You will need to present your findings in a document containing the following items:

- Introduction.

- Research the <u>two</u> web applications including:

    o   Overview of each of the web applications; include screenshots with descriptions;

    o   Strengths and weaknesses of the two web applications;

    o   Innovative features;

    o   UX Design Evaluation:

        ▪   Are the websites mobile friendly?

        ▪   Are the websites cluttered?

        ▪   Do the sites load instantly?

        ▪   Do the hyperlinks work?

- Visual (infographic) comparison of both web applications.

- List of the best features from both web applications you would like to include in your web application.

- Conclusion.

- References.

Please reference this Part. Make sure that the infographic is sized so that text is readable.

Section 2   **(Marks: 50)**

For this Part, you will need to plan and design your web app. The purpose of this Part is to ensure you know exactly what you need to build and how you will build it before you start with the final Part of the POE and implement your web app. You will need to present your design as a typed document with the following sections:

- Introduction.
- Brief overview of your planned web application including the app's innovative features.
- A list of functions described in detail for your app.
- User interface design including:
  - a mock-up for each webpage;
  - a description of the purpose of each web page;
  - a sitemap for the entire web application.
- Detailed listing of the data that the web app needs to capture from the seller and buyer and store in the MySQL database.
- Identify actors and their role in the system, draw use-case diagrams.
- ERD diagram.
- Project plan detailing deadlines and milestones for your project.
- Conclusion.
- References.

Assessment Sheet (Marking Rubric) – Part 1_____

Please note: Attach this rubric to your work when you submit online.

MODULE NAME:	MODULE CODE:
WEB DEVELOPMENT (INTERMEDIATE)	WEDE6021

STUDENT NAME:
STUDENT NUMBER:
GROUP NAME:

PART 1	Levels of Achievement				Feedback
In order to be awarded full marks for these elements of Part 1, students need to have:	Excellent	Good	Developing	Poor	
	Score Ranges Per Level (½ marks possible)				
SECTION 1 Research: Introduction	5 An excellent introduction that explains the purpose of the research and the sections included in the document.	3—4 Acceptable and links to the rest of the document but doesn't explain the purpose of the research.	1—2 Introduction doesn't link to the rest of the document.	0 No introduction included.	

PART 1	Levels of Achievement				Feedback
In order to be awarded full marks for these elements of Part 1, students need to have:	Excellent	Good	Developing	Poor	
	Score Ranges Per Level (½ marks possible)				
SECTION 1 **Web App 1 research**	**7—10** Excellent, comprehensive discussion clearly differentiating between the strengths and weaknesses and motivating why features are considered innovative.	**5—6** All sections included, but more details could be added to some of the sections.	**3—4** All sections are included but limited details are provided in each section.	**0—2** Not included or sections missing.	
SECTION 1 **Web App 2 research**	**7—10** Excellent, comprehensive discussion clearly differentiating between and the strengths and weaknesses and motivating why features are considered innovative.	**5—6** All sections included, but more details could be added to some of the sections.	**3—4** All sections are included but limited details are provided in each section.	**0—2** Not included or sections missing.	

PART 1	Levels of Achievement				Feedback
In order to be awarded full marks for these elements of Part 1, students need to have:	**Excellent**	**Good**	**Developing**	**Poor**	
	Score Ranges Per Level (½ marks possible)				
SECTION 1 **Research: Comparison**	**9—10** An excellent, comprehensive visual comparison that shows all the differences and similarities at a glance.	**7—8** Comparison in a visual format with a good number of similarities and differences.	**4—6** Comparison in a visual format but only includes either differences or similarities.	**0—3** Comparison not in a visual form.	

PART 1	Levels of Achievement				Feedback
In order to be awarded full marks for these elements of Part 1, students need to have:	**Excellent**	**Good**	**Developing**	**Poor**	
	Score Ranges Per Level (½ marks possible)				
SECTION 1 Research: List of features to include	**8—10** An excellent list of features with motivations included for why these features are desirable.	**5—7** A good list of features is included but with little or no motivations.	**1—4** A very short list included with no motivations.	**0** No list of features included.	
SECTION 1 Research: Conclusion and References	**5** An excellent conclusion that links to the document and to the design. **AND** An excellent reference list in the correct format and links to the in-text references.	**3—4** Acceptable conclusion and links to the rest of the document. **AND** Acceptable references and links to the rest of the document.	**1—2** Conclusion doesn't link to the rest of the document. **OR** Reference list is incomplete and doesn't link to the references in-line.	**0** No conclusion included. **OR** No reference included.	

PART 1	Levels of Achievement				Feedback
In order to be awarded full marks for these elements of Part 1, students need to have:	Excellent	Good	Developing	Poor	
	Score Ranges Per Level (½ marks possible)				
SECTION 2 **Planning and Design:** **Introduction and conclusion**	**5** An excellent introduction and conclusion that clearly links to the research document as well as the content of the design document.	**3—4** A good introduction and conclusion included that links to the rest of the document.	**1—2** Either introduction or conclusion is missing.	**0** No introduction or conclusion included.	
SECTION 2 **Planning and Design: Overview of the app**	**9—10** An excellent overview that sets the stage for the rest of the document.	**7—8** A good overview is included with some innovative features.	**4—6** The overview needs more details.	**0—3** No overview included or no innovative features mentioned.	

PART 1	Levels of Achievement				Feedback
In order to be awarded full marks for these elements of Part 1, students need to have:	**Excellent**	**Good**	**Developing**	**Poor**	
	Score Ranges Per Level (½ marks possible)				
SECTION 2 **Planning and Design: Detailed list of requirements**	**13—15** An excellently detailed list of features that describes all the features including the student's own from research in detail.	**9—12** Required features as well as the student's own requirements included but needs more detail in places.	**4—8** Only required features are included with some details, but no additional features from research mentioned.	**0—3** No requirements included or required features are missing.	
SECTION 2 **Planning and Design: User interface design**	**13—15** Excellent mock-ups together with descriptions and a diagram explaining navigation.	**9—12** Mock-ups and descriptions included but not diagram showing navigation.	**4-8** Only mock-ups or only reasonably detailed descriptions included, not both.	**0—3** No design included or only very brief descriptions with no mock-ups.	
SECTION 2 **Planning and Design: Project Plan**	**5** Logical and fully detailed with no errors.	**3—4** Logical with minor errors.	**1—2** Not logical.	**0** No project plan included.	

END OF PART 1

[TOTAL MARKS: 100]

Part 2 — Prototype   **(Marks: 100)**

For this Part, you will need to build a fully working web application <u>prototype</u>. This prototype will include all the features listed in the instructions section of this document but based on your own design and user interface layout. Make use of your lecturer's feedback on Part 1 to improve on your planned web application.

1.   Create a database using PHPMyAdmin and name the database **ClothingStore**. The database may consist of the following tables:

   - **tblUser**

   - **tblAdmin**

   - **tblAorder**

   - **tblClothes**

   or use the ERD tables you created in Part 1. Simplify the design by analysing the relationships among the tables. Ensure that you create the necessary primary keys and foreign keys coding the constraints as dictated by the ERD design.

2.   Create a connection to the clothesStore database:

   - Create a text file **userData.txt** and populate the text file with at least five fictitious entries, e.g., John Doe   j.doe@abc.co.za   29ef52e7563626a96cea7f4b4085c124. C.

   - Use the console or phpMyAdmin and load the text file manually into the table.

   - The code that creates the connection must be saved in a file called **DBConn.php.**

   - Create a script called **createTable.php** that will check if the **tblUser** exists and if it does, delete the table and (re)create the table and load the data into the table using userData.txt file as a source file.

   - Embed the **DBConn.php** as an include file within the **createTable.php** script.

   - Each time the script is executed the table will be deleted if it exists and reloaded with the data stored in the textfile.

3.   Create a login page for your web application. The login page must:

   - Accept a username and email address.

   - The password must be compared to a hash (e.g., 29ef52e7563626a96cea7f4b4085c124) in the **tblUser** table.

- When clicking the submit button, use HTML5 for validation. Textboxes and the password from the login details must be compared to the stored hashed password value in the MySQL database.

- If the validation confirms that the password is valid, then display the user's data using an associative read approach regarding the column names in a table. However, if the password is incorrect, then use a sticky form and redisplay the details entered allowing the user to edit the fields instead of re-typing all the fields. Display a string at the top of the page that identifies the user and reads: "User John Doe is logged in".

- If the user does not exist, they can register themselves and create the hash and login. Once a user is registered Administrators need to verify if the user is a customer. A user won't be able to login instantly, unless verified. A new user registration would be pending until verified.

4. Create a login page for the admin:
   - When the user clicks the "Admin" button, the user must be prompted to login with administrator rights, unless the user with those rights is already logged in.
   - Verify new customer registrations.
   - The admin user should be able to add, update and delete customers.

5. Export your structure of each table to a Word file as part of your POE documentation.

6. Create a text file for data on each base table and populate the text file with at least five fictitious entries for each base table.

7. Use the console or **phpMyAdmin** and load the text file (data) manually into each base table.

8. Export the database structure to a text file called **myClothingStore.sql** with the DDL statements so the lecturer can use the **sql-text file** to create your database with 30 entries for each base table.

9. Create a script **loadClothingStore.php** that will create the tables within the **ClothingStore** database. Ensure that all tables are dropped before creating them and that a table is created only if it does not exist. Use **mysqli** or improved **mysql** to create your connection in an include file. Hint: Export your database to an SQL file and use the exported code in association with PHP code.

NB: You must create a demonstration video showing the web application on a browser. For the video, make sure that you show the app performing the following functions:

- The user must be able to register using the application. This registration information must be stored in a MySQL database.

- The user must be able to login to the application using their username and password.

- All registration fields must be required fields, cannot be left be a blank field when the user registers on the application.

- Display the Administrator verifying the user as a customer and finally allowing them to login.

- Also show the code associated with the above functionalities.

Assessment Sheet (Marking Rubric) – Part 2_____

Please note: Attach this rubric to your work when you submit online.

MODULE NAME:		MODULE CODE:
WEB DEVELOPMENT (INTERMEDIATE)		WEDE6021

STUDENT NAME:
STUDENT NUMBER:
GROUP NAME:

PART 2	Levels of Achievement				Feedback
In order to be awarded full marks for these elements of Task 2, students need to have:	Excellent	Good	Developing	Poor	
	Score Ranges Per Level (½ marks possible)				
Good Coding Standards					
Variable naming and user-friendly design	**3** Variables declared and assigned, excellently.	**2** Good: Variable declaration and assignment.	**1** Poor variable declaration and assignment.	**0** No variables declared.	

	3	2	1	0	
Comments/Code readability throughout PHP code;	Excellent use of comments and code readability of the code.	Comments and readability of the code mostly completed still developing.	Somewhat comments and readability of the code completed; more comments could be added.	No Comments and poor readability of the code.	
	3	**2**	**1**	**0**	
PHP file naming and correct folder structure	Excellent file naming and correct folder structure.	Good File naming and folder structure.	Developing file naming and folder structure.	Poor file naming structure and folder structure.	
CSS gives a professional look and feel to Task as a whole, i.e., Login Page and Tabular display.	**3** Aesthetically pleasing with professional look and feel.	**2** Aesthetically pleasing with mostly professional construction.	**1** Some elements are professional.	**0** Very poor attempt to make the CSS professional.	
Submission of a video showcasing the web application and associated code	**7—8** Fully professional video showing all the required features in detail.	**5—6** Not completely professional but all features demonstrate.	**1—4** Informal and unprepared, or not showing all the features or no voice over included.	**0** No demonstration video included.	

User Table Structure and DB Connection					
ClothingStore Database Created, with tables	**5** Database created with all required tables.	**3—4** Database created with some tables missing.	**1—2** Database poorly created.	**0** Database created and tables missing.	
Text file created correctly with five names	**3** Text file created and populated with five names**.**	**2** Text file created with some names missing.	**1** Text file poorly created.	**0** Text file not created.	
Data is preloaded into a table tbl_user	**3** All data is preloaded in the correct format.	**2** Data is preloaded but with some discrepancies.	**1** Data preloaded is incomplete.	**0** Data is not preloaded.	
The script DBConn.php is included within the DBConn.php script with correct include statement.	**3** Script included correctly.	**2** Script included with some bugs.	**1** Attempt at including the script but not functional.	**0** Script is not included.	
Code makes a connection	**3** Code connects to DB.	**2** Code connects to DB but with some bugs.	**1** Attempt made to connect but the connection doesn't work.	**0** No connection attempted.	

The script createTable.php deletes table, creates table and load the data (Check in console).	**5** Delete, create and load works correctly.	**3—4** Delete, create and load has errors.	**1—2** Only one function implemented.	**0** No attempt made to Delete, create and load.	
Login Page					
New user registration	**3** New user successfully added.	**2** Attempt made to register a new user but with limited.	**1** Failed attempt made to register a new user.	**0** No option for a new user to register.	
Checks password against hashed password in tbl_User Password is validated and if password is incorrect the values stay – sticky form works	**5** Password has been validated and action has been taken to ask to re-enter of password or continue to site if password is correct.	**3—4** Password validated but not all action taken to act on validation.	**1—2** Password incorrectly validated against hashed password and no action taken.	**0** No password validation.	
Associative columns are fetched from the tbl_User table – Check code embedded in function.	**5** Correct code embedded.	**3-4** Attempt was made but buggy.	**1-2** Attempt was made to embed but it does not work.	**0** No code embedded.	

User being added to the pending registration list, waiting for approval by Administrator User page displaying after successful login and verification by Administrator	**7—8** Successful registration with validation and display of user page.	**5—6** User successfully registered but user page does not display.	**1—4** User not successfully registered with buggy code.	**0** Student registration and user page does not work.	
Clothes or ClothesItem table Structure					
Images folder exists and contains 5 jpg files with appropriate filenames.	**3** Five images in folder.	**2** Three to four images in folder.	**1** One to two images in folder.	**0** Zero images in folder.	
The table tbl_Item is (assoc) read into array and displayed in a table with headers.	**5** Array is correctly populated with tbl_Item and displayed with headers.	**3—4** Array is correctly populated with tbl_Item but headers are not displayed.	**1—2** Array is incorrectly populated with tbl_Item and headers are not displayed.	**0** Array is not populated.	
Each line contains the picture of the item and each line carries the AddToCart/ Cart Picture button	**5** Add to cart and line item displays correctly with picture button.	**3—4** Add to cart displays correctly with ordinary button.	**1—2** Add to cart and line item do not display correctly and there is no picture button.	**0** No add to cart function.	

When AddToCart is clicked the SellPrice is shown in popup and returns to table.	**5** SellPrice is shown in popup and returned to table.	**3-4** SellPrice is shown in popup but not returned to table.	**1-2** SellPrice is not shown in popup and not returned to table.	**0** No add to cart function	
Admin Login and user Verification					
Check Administrator's password against hashed password and username should be admin email address	**5** Administrator's password verified against hashed password and username is admin email address.	**3—4** Administrator's password verified against hashed password but username is not admin email address.	**1—2** Administrator's password is not verified and username is not admin email address.	**0** No attempt at Administrator's password verification.	
Verification of user as a customer and user being allowed to login	**5** User verified as a customer and allowed to login.	**3—4** User verified as a customer but not allowed to login.	**1—2** User not verified as a customer and allowed to login.	**0** No attempt to verify the user as a customer.	
Adding, updating and deleting users	**8—9** All Adding, updating and deleting of users works.	**5—7** Only two of the Adding, updating and deleting functions work.	**1—4** Only one of the Adding, updating and deleting functions work.	**0** No Adding, updating and deleting functions work.	

[TOTAL MARKS: 100]

END OF PART 2

POE _____ **(Marks: 100)**

Complete all sections.

Section 1 _____ **(Marks: 75)**

For the final submission of the app, you need to include the following features that were not required for the prototype:

• The user (Customer) must be able to select items for buying and check them out in the shopping cart and also select the option to continue shopping.

• The Administrator user should be able to add, delete and update clothing and users.

• User should be able to edit items in their shopping cart.

• User should be able to send a request to sell clothes, the user should be able add a description, an image and the brand of the clothing. The Administrator should communicate with sellers and buyers to make sure the correct items are delivered and in good condition.

In addition to these features, you must have:

• Your own features as described in your design document.

• Visually appealing website which is easy to navigate.

Section 2   **(Marks: 25)**

Each **<u>individual</u> member** of the group must reflect on their learning. Your reflection should be ±1 500 words (Calibri font, size 11, 1.5 spacing).

Please include this self-reflective report when submitting your final PoE.

Introduction Write an introductory paragraph in which you briefly outline your understanding of the POE. (5)
Role in the team Discuss • Your contribution to the team. • The group dynamic of the team. • Dealing with concerns, complaints, queries and conflict working in a team. (5)
Research, technology, and the presentation of information Finding information that is both relevant and useful is a much-needed skill: • Describe two scenarios in which you were expected to find information for a task or duty that you had to complete. (5)
Personal strengths (strong points) and weaknesses (areas to do better in) Comment on the elements, tasks or duties required for the POE: • List and describe the tasks that you did really well in. • Identify at least five strengths that you realised you have. • List and describe the tasks that you did not do well in. • Why, in your opinion, did you not perform well in these tasks? • Comment on how you think you can improve on the weaknesses that you identified. (8)
Conclusion Write a summary whereby a clear overall impression of the POE group work is discussed. (2)

Assessment Sheet (Marking Rubric) – POE_____

Please note: Attach this rubric to your work when you submit online.

MODULE NAME:		MODULE CODE:
WEB DEVELOPMENT (INTERMEDIATE)		WEDE6021

STUDENT NAME:
STUDENT NUMBER:
GROUP NAME:

POE – SECTION 1	Levels of Achievement				Feedback
In order to be awarded full marks for these elements of the POE, students need to have:	Excellent	Good	Developing	Poor	
	Score Ranges Per Level (½ marks possible)				
Shopping Cart Class and Member Functions					
Member functions AddItem, RemoveItem, Checkout, EmptyCart, Login, ProcessInput are present. As long as the student illustrates understanding, he/she may use own functions.	**5** All relevant functions included.	**3—4** Some functions are missing.	**1—2** Some functions are missing or not working.	**0** No functions present.	

Startup page clearly states type of eShop and goals styled on some CSS.	**4** Startup page contains the type of eShop and goals which are styled on some CSS.	**3** Startup page contains the type of eShop but not the goals.	**1—2** Startup page does not contain the type of eShop and/or goals.	**0** No type of eshop/goal statement.	
eShop button displays Items table with the buttons AddToCart and ShowCart.	**4** eShop button displays Items table with the buttons AddToCart and ShowCart.	**3** eShop button displays Items table with only one of the buttons AddToCart or ShowCart.	**1-2** eShop button displays Items table with no AddToCart or ShowCart buttons.	**0** eShop button has no functionality.	
Clicking on ShowCart to view the shopping cart contents.	**3** ShowCart displays shopping cart contents.	**2** ShowCart has limited functionality	**1** ShowCart button has no functionality	**0** No ShowCart button	
Administrator Option to load Items and Pictures of the Items					
Prompt for login when Admin button is clicked or URL loaded.	**3** Login is prompted when Admin button is clicked or URL loaded.	**2** Prompting to Login only works on either the Admin button click or the URL loading.	**1** No prompting on login or URL loading.	**0** No Admin button.	

	3	2	1	0	
Admin button/ URL landing page displays items table with buttons Edit, Delete and Add/ Insert.	Items table displayed with buttons Edit, Delete and Add/ Insert.	Items table displayed with some buttons missing.	Items table buggy and does not work.	No attempt made to display Items table.	
	7—8	**5—6**	**3—4**	**0—2**	
Add, Delete and Edit buttons work for Admin on clothes or clothesItems table.	Add, Delete and Edit buttons work on clothes or clothesItems table.	Not all Add, Delete and Edit buttons work clothes or clothesItems table.	Buttons only work on clothes or clothesItems table. Very buggy.	No buttons to add/delete and edit.	
Shopping Cart Functionality					
	4	**3**	**1—2**	**0**	
When adding same item to Cart, quantity increases, and not new item added.	When adding same item to Cart, quantity increases, and no new item added.	When adding same item to Cart, quantity increases, and a new item added.	When adding same item to Cart, a new item is added.	When adding same item to Cart it is not added to quantity and a new item is not created.	
	3—4	**N/A**	**1—2**	**0**	
When continuing to shop, the shopping Cart remains available with selected Items still intact.	Shopping Cart remains available with selected Items still intact when user continues shopping.		Shopping Cart is zeroed when the user continues shopping.	No shopping cart.	

	3	**1—2**	**N/A**	**0**	
Checkout returns user to login/register page	On checkout, user is returned to login/register page with appropriate messaging.	On checkout, user is returned to login/register page.		On checkout, user is not returned to login/register page.	
checkout shows reference number e.g., orderNum and sessionId.	**3** Reference numbers displayed.	**1—2** Reference numbers displayed but not in correct format.		**0** No attempt made to display reference numbers.	
checkout writes entries into orderLine table and quantity decremented (check tables in database).	**7—8** Entries written to orderLine table and quantity decremented.	**5—6** Entries written to orderLine table and quantity not decremented.	**3—4** Entries not written to orderLine table but quantity is decremented.	**0** Entries not written to orderLine table.	
After checkout the Shopping Cart array is empty.	**3—4** Shopping cart is zeroed after checking out.	**N/A**	**N/A**	**0—2** Shopping cart still contains items after checking out.	
features specified in the design document implemented	**4** Design document features applied.	**1—3** Design document partially applied to final application.	**N/A**	**0** Design document not applied to final design.	

User has option to draw history of purchases. Report must show total of all purchases at bottom of page	**7—8** History report with correct totals.	**5—6** History report created but totals incorrect.	**3—4** Attempt made at a report.	**0** No reports created.	
Web application executes	**3** Executes and displays home page.	**2** Executes but landing page is not home page.	**1** Buggy loading of the home web page.	**0** Does not execute.	
Submission of a final video showcasing the web application and associated code with a "readme" file	**4** video showing all the required features in detail and a comprehensive ReadMe file.	**3** Video includes all of the functionality but and is no ReadMe file.	**1—2** Video includes most of the functionality but and is no ReadMe file.	**0** No video.	

POE – SECTION 2	Levels of Achievement				Feedback
In order to be awarded full marks for these elements of the POE, students need to have:	**Excellent**	**Good**	**Developing**	**Poor**	
	Score Ranges Per Level (½ marks possible)				
Self-Reflection					
Introduction	**5** Comprehensive and well thought out description of the POE as a whole.	**3—4** Good description of the POE but lacking detail.	**1—2** Brief introduction which doesn't answer the brief.	**0** No introduction.	
Role in the team	**4—5** Identified and associated themselves with a specific role.	**3** Identified general roles but nothing specific for themselves.	**1—2** Difficulty in identifying the roles.	**0** No roles identified.	
Research, technology and the presentation of information	**4—5** Two scenarios identified and well described.	**3** Two scenarios identified but poorly described.	**1—2** One scenario identified.	**0** No scenarios identified.	
Personal strengths (strong points) and weaknesses (areas to do better in)	**6—8** Excellent self-reflection and identification of strengths and weaknesses.	**4—5** Some good points made on strengths and weaknesses but it is not a comprehensive list.	**1—3** Brief discussion of strengths and weaknesses on limited topics.	**0** No self-reflection on duties for the POE.	

Conclusion	**1—2** Clear conclusion that wraps up the report.	**N/A**	**N/A**	**0** No conclusion.

[TOTAL MARKS: 100]

END OF POE