ID	Priority	Status	User stories	Tasks	Story point	Risk	Scenarios
DT-1	1	Complete	As a User, I want to be able to create an account so that I can safely secure my information.	User -> Create account Define Signup/login Page form style (Username, address, payment method) Develop PHP/JavaScript page Keep track of user's session.	13	LOW-MEDIUM	**Successful sign up**: - Personal information provided have no conflict with the ones in database (no repeated username/email) - Direct user to a successful sign-up page - Encrypt data and register user in database **Unsuccessful:** - Identical information (duplicate account risk) => Display alert - Unable to register new users => Display error (user+admin) - Invalid entries (email/email confirmation and pwd/pwd confirmation not matching) => Display alert message - Invalid payment method (invalid information: card number/expiry date/security code) => Display error
UI-1	5	-	As a Seller, I want to be able to advertise my products so that my products get more exposure.	Seller -> Advertisement Define page style (layout) Develop PHP page Link image and product detail (if use carousel to display advertisement)	5	LOW	- Clicking on the image => Direct user to the corresponding product detail page - Carousel contains products that are listed in the database - Good interval time between each slide (carousel)
UI-2	2	Complete	As a User, I would like to search through the list of products with ease.	User -> Search Define a search bar on the menu Develop a search engine Link search engine to database	40	MEDIUM-HIGH	- Search bar -> able to search - Searching for items => Display all the results -No item found => Display "no result" - Enable autofill => ease searching - Display suggestions of similar items
DT-2	1	-	As a user, I want my credit card credentials to be safe so that I can have a secure transaction.	User -> Payment method Define form style (in sign up page/check out page) Define PHP/JavaScript page	3	MEDIUM	- Encrypt information when registered **Successful authorization:** Display "payment confirmation" **Unsuccessful payment:** - Display "payment failed" - Insufficient balance => Display error

UI-3	4	-	As a user, I want to initiate the "return process" if I'm unhappy with my purchase.	User -> Returns/Refund
				  Define page form style (asking for item ID, reason for return)
				  Develop PHP/JavaScript page
				  Develop a Return Center page for more details (explanation about the process)
					13	MEDIUM	- Able to find corresponding item for return => list of purchases
							- Option return or exchange
							- List of reason for return => damaged/item not as described/do not want it anymore
							Successful submission: seller and company receive the request
							Unsuccessful submission =" Display error message and direct to contact us page

UI-4	3	-	As a developer, I want a dashboard which recommends items to the user so that they don't have to browse the website manually.	Developer -> Dashboard
				  Define page style (layout)
				  Develop a search engine/carousel to display recommendation (most viewed/popular/purchased items)
					13	LOW	Once clicked on item => direct user to product detail page

UI-5	4	Complete	As a developer, I want to add a page which says "contact Us" so that a customer can email the customer service team about an issue with a product they had.	Developer -> Contact Us(seller)
				  Define page form style
				  Identify seller and product ID
				  Develop JavaScript to send e-mail
					3	LOW-MEDIUM	- Validation of product ID
							- Validate seller information
							- Ensure email/request is sent (seller/company)

UI-6	1	Complete	As a Developer, I want to create a public landing page which shows up when a new user visits the website for the first time.	Developer -> landing page
				  Define page style (PHP)
				  Keep track of user's session
				  Link to other pages
					8	LOW	- Welcome message
							- Have a banner/logo with store name
							- Carousel promoting products (optional)
							- Tabs => direct user to the corresponding page (Categories/sales/login/sign up/cart)

UI-7	5	-	Add Google login using google API so that users don't have to create a new account and can directly sign in.	User/Developer -> Google Login Develop a system that links Google sign in and store (using Google API)	13	MEDIUM	- Button for Google sign in in sign-up/login page - Implement Google API in system

DT-3	1	Ongoing	As a developer, I want to design a database to store user information and products for sale on the marketplace.	Developer -> Database
				  Develop a system to store all data (users/products)
				  Encrypt data for security (user's information)
					40	MEDIUM	- Able to add/remove data (from the store or directly in database)
							On successful action => Display confirmation message
							  On unsuccessful action => Display error message
							- Data not found -> Display error/alert

UI-8	2	Ongoing	As a user, I would like to add items to a "shopping cart" so that I can checkout all my items at once.	User -> Shopping Cart
				  Define cart tab on menu bar
				  Develop PHP/JavaScript page
				  JavaScript for removing/adding items to cart
				  Develop JavaScript to calculate total price
					20	MEDIUM	- Click on add => corresponding item is added to cart
							- Clicked on delete/remove => item is removed from cart
							- Price display the right amount => adjust itself to changes
							- Clicking on item in cart => direct user to product detail page
							Successful action:
							Display successful addition/deletion
							Unsuccess action:
							Display alert/error message

UI-9	3	Complete	As a user, I would like to change my shipping address and billing address in case I move away.	User -> Shipping address
				  Develop a system to update database as clients edit in their profile
				  Develop a form for update
					1	LOW	When user edits their information => Database gets updated
							  Successful submission -> Display successful message of modification
							  Unsuccessful submission -> Display error/alert message

UI-10	1	Complete	As a user, I want to be able to login to an account I've already created so I can store my personal info such as name,	User -> Login
				  Develop PHP/JavaScript page (email/username and pwd)
				  Login button that open a session
					8	LOW	- Matching username and password => Successful Login
							- Invalid match => Display alert/error message (invalid email or pwd)
							On successful login => direct user to index (home page)
							  Unsuccessful login => direct user to user not found page (ask user to sign-up/try again)

			address, credit card, etc.	Welcome message to clients Forgot password button (if needed)			
UI-11	1	Complete	As a User, I want to view all available products by clicking on a "products" button.	User->Products page Develop the products page using PHP. Insert individual products using CSV (temporary) to display on products page. In sprint 3, We will use SQL to insert/update products.	13	LOW	- Upon click of "Products" button -> Brings user to products page - **On successful click** -> brings user to products page - **On unsuccessful click** -> no products are shown on the products page OR unable to take user to products page on click of the "Products" button.
DT-3	1	Ongoing	As a User, I want to be able to post an item for sale on the market	User -> Sell page User -> Enter information User -> Post item which will be listed on the market.	8	LOW-MEDIUM	-Upon successful click of "Sell" page -> brings user to sell page User enters information and list product to sell. If product does not list, then unsuccessful. If product is successfully listed then other users will be able to see it on the market.

ID	User stories	Risk	Consequence	Countermeasure	Story point explanation
DT-1	Create an account	- Unable to register an account in database - Data are not safely stored	- Database will not be up to date as new data are not registered in the system. - If not safely stored, data are easily accessible to the public	Database can be updated frequently and encrypted.	This user story is 13 points because most of the students would be able to implement this feature easily from knowledge in a previous SOEN course. However, it is still a lengthy task so it requires moderate effort.
UI-1	Advertisement of products	There is no significant risk of implementing this feature.	In some scenarios, this feature might affect the user's experience of the product. However, it does not affect the project.	-	A very small user story that will only be implemented once the core of the website is working. This a fairly simple and small story so which can be easily implemented by our front end developers
UI-2	Search engine	Search engine is not linked to the database.	Unable to process any searching	Test the search bar	This user story also has 40 story points because it requires the implementation of a searchable browser that will be linked to all the products from DT – 3 which will take a lot of our backend developers' effort.
DT-2	Safely storing credit credentials	- Data are not encrypted, which can be easily accessed	Data are accessible, which means the project is not secure.	Encrypt the data	This user story only has 3 pts because it is an extremely small and simple story which requires minimal effort to implement.
UI-3	Initiate return process	There is no significant risk of implementing this feature.	This feature does not affect the project.	-	This story is 13 pts because it will require the creation of an additional page. It is easy to implement and low effort but

					not as low effort as some smaller user stories.
UI-4	Dashboard	There is no high risk in implementing this feature	This feature does not affect the project.	-	This story is one of the core features of our project. It is simple to implement due to prior knowledge in SOEN courses and requires a small amount of effort.
UI-5	Contact Us page	There is no significant risk of implementing this feature.	This feature does not affect the project.	-	This story has minimal story points because it requires the least amount of effort to implement as it is very simple to add an additional page for "Contact us"
UI-6	Public landing page	There is no significant risk of implementing this feature.	This feature does not affect the project.	-	This story has 8 story points because it will be the main page that a user sees for the first time which will link to all the other pages. We figured it requires low to moderate effort to implement.
UI-7	Google API	Unable to establish a connection between Google API and the system.	This feature does not affect the project.	-	This story is 13 story points because none of the development team have worked with google API before and implement the google login will require a learning curve and thus require moderate effort to implement.
DT-3	Database for products	- Data are not encrypted. - Data structure not appropriate for this feature	Data leakage	Encrypt data	We allocated 40 story points to because implementing a database is not something many of us had knowledge in so this

					story requires a lot of learning and effort.
UI-8	Shopping cart	JavaScript is malfunctioning.	Unable to process item value, which causes error in the price display	Function testing	This user story requires 20 story points to implement because it will make use of many of the core functionalities of our project. Therefor it will require a moderate to high amount of effort to implement.
UI-9	Edit profile	Changes are not reflected in database	Database not up to date, which can lead to problem in other features (login)	Make sure it is linked to the database and that changes are processed in less than 24 hours.	We allocated 1 story point to this because once the profile page is set up it will be simple to implement the feature to edit the profile.
UI-10	Login	Unable to retrieve information to log in	Feature will not be working properly as no user are able to start a session.	Ensure that in every page, user is able to start a session. As this feature is processed, information should be retrieved from the corresponding database.	This user story is another core feature of the project in which we allocated 13 story points. Because of previous experience in SOEN courses this feature is straightforward to implement and requires moderate effort if errors occur.
UI-11	Products page	Unable to display the products listed.	User will not be able to see any of the products which are listed in the database linked to the products page.	Ensure that the products page and the database are linked correctly so the user can see an up-to-date version of the products listed in the database on the products page.	This user story was allocated 13 story points because the backend and front-end developers will need to work together to link the products page to the database. This will require a moderate amount of effort if the base features are working properly.

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Criteria:

User story ID: Labelled with an acronym defining which subsection of the project it belongs to (I.e., UI –1, DT-2, etc.)

Priority: Will be labelled on a scale of 1 – 5 (1 = Must implement, 2 = Should implement, 3 = Could implement, 4 = Implement only if we have time, 5 = Wont implement)

Story points: Used as a relative measure to estimate the difficulty and the effort required to implement a specific user story (40 is the biggest story and 1 is the smallest)