

CRITERIA 1

17154677A

USER PROFILE

NAME: JAMIMA JAMIESON

AGE: 19

GENERAL INTERESTS: WORKING ON HER FAMILY FARM, RIDING HORSES, SPORT, HISTORY, SNOW SKIING.

LOCATION: DARLINGTON, WESTERN VICTORIA, ON HER FAMILY PROPERTY.

COST LIMITATION: \$500

ENVIRONMNET OF THE PRODUCT: THE PRODUCT WILL BE USED AS A COFFEE TABLE IN THE LIVING ROOM AT HER HOME ON HER FAMILY FARM PROPERTY CALLED "STONY POINT." SHE HOPES TO MOVE THE FUNITURE INTO HER OWN HOUSE ONE DAY AND USE IT AS A PIECE OF MEMORABILIA.

ATTITUDES TOWARDS SUSTAINABILITY:

JAMIMA BELIEVES THAT IT IS IMPORTANT TO HAVE A SUSTAINABLE PRODUCT. SHE IS IS CONSCIOUS ABOUT DEFORESTATION FROM TIMBER LOGGING. SHE WOULD LIKE THE PRODUCTS MATERIALS TO BE SOURCED FROM RECYCLED MATERIALS, PREFFERABLY FROM HER FAMILY FARM.



JAMIMA ENJOYING ONE OF HER HOBBIES

USER COMMUNICATION

Jamima Jamieson
Historic Table
To: Bobby Jamieson

Inbox - Exchange 7:49 pm JJ

Dear Bobby,

I'm looking to engage someone to design and construct a coffee table made from historical timber for my living room. Key requirements for my table are:

- it must be made from historical timber.
- it must be durable.
- It must not have any sharp edges that could cause injury.
- it must be modular.

The purpose of the table is to store and display magazines and Coffee Mugs. I would love the table to be durable as it will be moved when i move houses in the coming years.

Kind regards,

Jamima Jamieson.

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DISCUSSING IDEAS WITH JAMIMA

User interview

Interview with Miss Jamima Jamieson, January 2nd 2019.

Q. Thankyou Jamima for allowing me to design the product for you; is there any further details I should know about the product?

A. "Hi Bobby, it's a pleasure to be here and I am so excited to have you designing my coffee table. I as mentioned in my email. I would like the coffee table to be made from recycled materials from around my family farm that have some historic value. "

Q. How frequently will you be using the Table?

A. "The table will be consistently used by myself and my family. I hope that this will also be a table that I may be able to pass onto my children and keep for a very long time."

Q. What is the current problem with your existing coffee table.

A. "my current coffee table isn't really a coffee table it's an old wooden box that we had. It's too small and it is a bit to plane and doesn't have a flat surface to rest my books and cups.

Q. Are there any personal restrictions?

A. "No there are no personal restrictions for the project except that I would like it to not be too low to the ground. As my cat may jump on top."

Q. what is your budget for the project?

A. "I am willing to spend around \$500 aud on this project.

Q. What kind of materials would you like me to source from your farm?

A. "I would love to see materials sourced from the woolshed being used. This is because it is one of my favourite places on the property and it is so rich in history. Some materials that I have in mind, wooden gates, posts and any worn down rails to add the the authentic look. In particular, I would like you to use the side boxes that I have salvaged from an old wool press."

Q. What is the history associated with these materials and in particular the wool press?

A. "The woolshed was Constructed in 1864 of Blue stone quarried on the property with sheet iron roof. It's a 12 stand blade shearing shed. The wool press is a Ferriers's lever press. It is one of some of the earliest. wool presses to be brought over to Australia in the 1800's "

Q. Are there any further requirements or ideas you would like me to take into consideration?

A. "Actually yes there is I would like a touch of restoration in the project to show that it is been preserved. I would also like the product to be completed by the 8th of September"

Design Brief

OUTLINE OF CONTEXT

My **user Jamima Jamieson** needs a **historic coffee table** for her living room as a storage device. The table will need to be made from recycled materials from her farm. It will need to have a dark finish. **The table is to go into her living room.** It will need to be durable as it will experience transportation when Jamima moves home. Jamima needs the product **by the beginning of September.** This is when Jamima plans to have guests over and **they need a storage place to rest coffee and books.**

My user Jamima Jamieson needs a historic coffee table for her living room as a storage device. The table will need to be made from **recycled materials** from her farm. **It will need to have a dark finish.** The table is to go into her living room. It will **need to be durable** as it will experience transportation when Jamima moves home. Jamima **needs the product by the beginning of September.** This is when Jamima plans to have guests over and they **need a storage place to rest coffee and books.**

Who:

What:

When:

Where:

Why:

Sustainability

**Visual, Tactile
and Aesthetics**

**Purpose function
and context**

**Economics time
and cost.**

**Materials- Characteristics
and properties.**

constraints and considerations

Purpose, function and Context.

- ① • Must be suitable for storage of coffee cups and books.
- The table is to go into my user lounge room along with couches, television and an old book cabinet.
- **SIZE**
- Width should be approximately 2/3s the width of associated seating which is 150cm.
- ⑨ • Plan for at least 40cm of, walking space around sides of coffee table

Materials characteristics and properties.

- ⑪ • Recycled materials sourced from the family farm.
- ⑩ • Must have that rustic and worn look.
- ⑧ • The product must be made from timber.
- The product will need to be durable and strong so it can withstand transportation when my user moves home.

Legal responsibilities

- **SAFETY**
- No sharp exposed edges where the materials have been assembled.

Technologies- tools, processes and manufacturing methods

- Appropriate technologies will be used in the manufacturing of this product.
- New and emerging technologies will also be used in the design and development of this product.

Innovation and creativity

- ⑦ • There must be a creative approach to the table. This must be done by using a minimum of two complex processes.
- **DATE**, 8th of September when Jamima has guests to her house.

- Jamima would like the product to be complete before her friends come over on the 8th of September.

User centred design

- ② • The user would like it to have some historic value or a link to the woolshed.
- ⑥ • The product must be sturdy so the user can move it.

Economics time and cost.

- Cost limitation \$500
- ⑤ • Needs to be completed by the start of September the 8th.

Visual, tactile and aesthetics

- End product must have a worn look to it. This will be executed by the collection of recycled materials.
- ⑫ • The product will need to be washed and then coated with an appropriate finish for protection to ensure the product lasts.
- ③ • All joins will need to be sanded to make sure there is a flat, smooth table top.

Sustainability

- ENVIRONMENTAL ISSUES
- ④ • Minimal waste of materials performed through thorough measurement and cutting

Product quality statement.

- The product must be long lasting and durable.
- The product must be fit for the purpose
- The product must be safe for the storage of books and coffee.

• **Quality statement:**

Quality can be defined as 'fit for purpose' for the coffee table to be quality it must withstand its function and serve its purpose.

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Design option Criteria	Criteria	Score out of 5	User Feedback
Purpose, function and context.	Q. Is the product suitable for storage of cups and books?		
Visual, tactile and aesthetics.	Q. Are there any historic markings left on the wood?		
Materials- Characteristics, Properties.	Q. Are the materials used recycled from her farm or reflect this style?		
Visual, tactile and aesthetics.	Q. Is frame of the coffee table symmetrical?		
User-centred design.	Q. Is the table easily accessible from all angles?		
Legal responsibilities.	Q. Does the product appear to have minimal sharp edges?		
Overall User feedback.			

<u>Four part evaluation</u>	<u>Criteria</u>	<u>Justification</u>	<u>Ways to achieve this</u>	<u>Checking method on finished product</u>	<u>Comments</u>
<u>Purpose function and context:</u>	Q. -Is the product suitable for the storage of books and Coffee cups?	-This is a primary function requested by my end user.	-Measure items. Cups, books etc. and see if they fit on the table	-Place items, cups, books etc. on the table and see the relevant size. Take photos	
<u>Size:</u>	Q. -Is the length of the table 2/3 the length of the Sofa (150cm)? Q. -Does the table fit through the door into the clients living room?	-This is relevant to follow the correct proportions of the table when it is constructed so it is accessible from all parts of the sofa. -This is so the end user can use the table in their desired location.	-Measure the lengths of both the sofa and the coffee table. -Measure the size of the door and the width and length of the coffee table. Then make adjustments to the table accordingly.	-Position coffee table in front of sofa to compare sizes. -Test bringing the table through the door. Take photos.	
<u>User-centred design:</u>	Q. Is the table easily accessible from all angles?	-This is important for the table's practicality.	-By using anthropometrics to achieve a table top size.	-To test that the table is accessible from all angles.	
<u>Technologies – tools, processes and manufacturing methods.</u>	Q. -Has the appropriate technology been used in the manufacturing of the product? Q. -Are there new and emerging complex processes involved in the construction?	-This is relevant to ensure that the production is performed in the most efficient way. -This is relevant as it ensures that the job has been performed at a high standard using the latest techniques.	-Research a range of appropriate technologies, and apply them when manufacturing the product. -Uses new and emerging complex processes such as the butterfly joint or the CNC router.	-Test and look at the design to analyse whether the appropriate methods of technology were used. -Analyse the production process by documenting the different stages of production.	
<u>Materials</u>	Q. -Do the materials of the product meet the requirements of my user?	-This is a request of the table to be made from materials from her farm.	Source the materials from her farm and build from them.	Show the user where the materials originally came from.	
<u>Sustainability</u>	Q. -Is the product sustainable as it could possibly be?	-This is necessary to build the product in a way that the environment around us will not be harmed in the process.	-This will be achieved by minimising the usage of power tools and limit the wastage of materials by repairing anything that is broken.	You can do this by analysing power usage at the metre.	

<u>Product quality</u>	Q. -Is the product long lasting and durable?	This is necessary as the user wishes to keep the table for long period of time.	Ensure that the materials that are joined together using the strongest methods done through research and testing of materials.	A strength test of different joins can be conducted.	
<u>Date:</u>	Q. -Is the product able to be completed by the 8 th of September?	-the date needs to be met as this is the deadline given to me by my end user.	-The time frame will be achieved through the uses production plan and the use of a Gant chart and time plan to ensure the specific time limitations are met.	-Check the date to ensure its met. Use a timeframe to help keep up to date.	
<u>Environmental issues</u>	Q. Has there been a minimal amount of wastage during the production of the product?	- by following the request of the user by sourcing materials from pre-existing products at her farm.	Source the materials from the farm and predominantly build from them.	The table will be made from mostly recycled materials sourced from my users farm.	
<u>Safety/legal responsibilities</u>	Q. -Does the product have sharp edges?	-Sharp exposed edges may cause injury in my users living room.	Consider design option where there are minimal sharp edges or have them rounded.	Feel the table for any sharp edges.	
<u>Visual, tactile and aesthetics.</u>	Q.- Does the product have a smooth finish and is soft to touch?	This is necessary the tactile appeal of the product	This will be achieved by sanding with a very fine sandpaper (400p.)	Check that all areas of the table are consistently smooth.	
<u>Innovation and creativity.</u>	Q.- Is the product creative within the boundaries of a coffee table?	-This criterion is important to ensure that the design is appealing to the user.	-Imaginative and creative design options that are relevant to the function of the product.	-Ask the user if she finds the product imaginative or creative.	