Quick Design Task _ Involving Designing & modelling with iterations (improvements)

Mobile phones and other electronic devices have become very popular over the years. You have spent time working at home over the last couple of months due to the Covid 19 Virus .

Many of you have been working on a table/desk at home with you mobile phone near your work place.

Your task is to design and make a mobile phone holder to hold the mobile phone in a suitable position. So you can monitor it while working.

The phone must be supported on a desk or table.

The Design Brief

Design and make…_____

_____

_____

_____

_____

_____

_____

"**ACCESSFM**"

When you evaluate, analyze and annotate different designs it is important that what you talk about is relevant. ACCESSFM is the easiest way for you to remember the points that you must talk about. **Remember it!!**
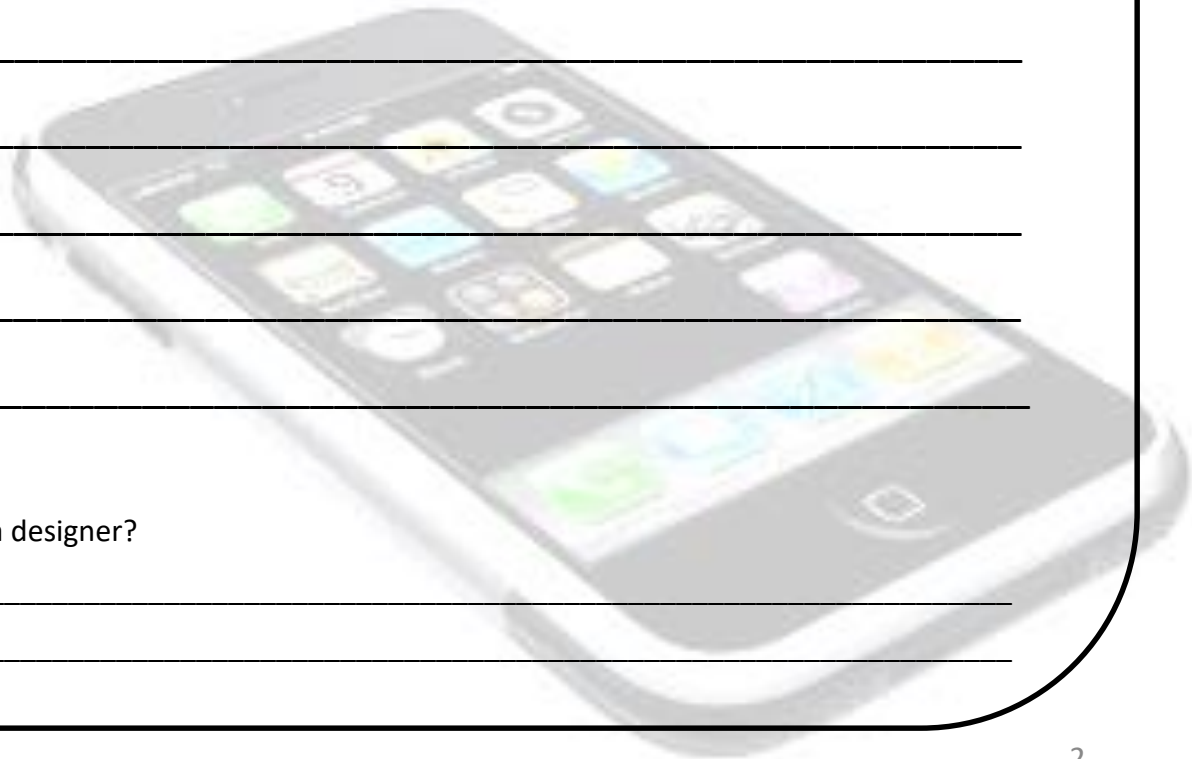
A _____

C _____

C _____

E _____

S _____

S _____

F _____

M_____

Why is ACCESSFM important for you as a designer?

_____

_____

Specification

Important … Before you start designing that you know what to design…

What is a Specification? Size, dimensions, function
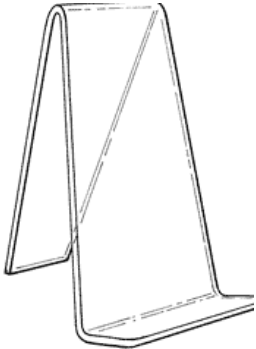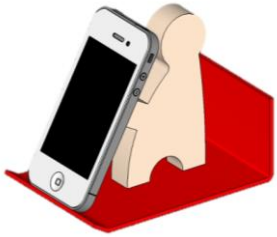
Write your specification below

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Mood board (Looking for inspiration from research sources around your home (primary) and internet (secondary research)

Explain the connections between the image that you have collected

_____
_____
_____
_____
_

Design Ideas & Modelling (examples)
Try using card (box card, cereal box card), masking tape, sellotape, pritt-stick
resources you have at home to use for modelling

Every sheet needs

Design Sketches *(a simple, rough drawing or design, done rapidly and without much detail)*

Modelling *(the activity of making three-dimensional models)*

Annotation *(a note by way of explanation or comment added to a text or diagram)*

Evaluation *(process of judging or calculating the quality, importance, amount, or value of something. Including a 3rd party opinion/ judgement)*

Initial ideas (Sketch drawing)

Explanation

_____
_____
_____

Initial ideas (Prototype Model)

Evaluation (suggest an improvement a change) Justification

_____
_____
_____
_____

Initial iteration (Sketch / drawing / explain the improvement the change to the initial design)

Iteration to the initial ideas
(Further prototype Model or improvement to original)

Evaluation (suggest an improvement a change) Justification

_____
_____
_____
_____

Explanation

_____
_____
_____

2nd iteration (Sketch / drawing / explain the improvement the change to the initial design)

Explanation
_____
_____
_____
_____

**2nd Iteration to the initial ideas
(Further prototype Model or improvement to original)**

Evaluation (suggest an improvement a change) Justification

_____
_____
_____
_____

Final Design – Photographs of the model you have produced being tested

Evaluation (does it meet the brief & specification- If not why not , how is it an

_____
_____
_____
_____
_____
_____

Testing & evaluation

Testing needs
3rd Part opinion *(a 3rd party judgement . What some'one else thinks* **Photo** *or* **Video** *of* Model or Models being Tested *(three-dimensional model or models being used)*
Annotation *(a note by way of explanation or comment added to a text or diagram)*
Evaluation *(process of judging does it meet the brief and specification*
Design Change *(A further modification / improvement sketch / explanation)*

What do you think of your final product?

What do a 3rd party think of your final product (3rd party is some one that lives with you at the moment) ?

Sketch one further improvement.

Give your self a mark out of 10 for the following…

Designing   ___

Modelling (Prototype 1)   ___

Modelling (Iteration 1)   ___

Final Prototype   ___

Evaluation of Processes   ___

Give your self a mark out of 50 for the

How could you make your product better?

Effort ☐ ☐   Mark   /10   Comment _____   10