Design 2019 v1.2

IA1: Sample assessment instrument

Examination — design challenge (15%)

This sample has been compiled by the QCAA to assist and support teachers in planning and developing assessment instruments for individual school settings.

Student name

Student number

Teacher

Issued

Due date

Marking summary

Criterion	Marks allocated	Provisional marks
Devising	5	
Synthesising and evaluating	5	
Representing and communicating	5	
Overall	**15**	

Conditions

Technique	Examination — design challenge
Unit	Unit 3: Human-centred design
Topic/s	Topic 1: Designing with empathy
Time	1 hour + 15 minutes planning
Word limit	Four A3 pages
Seen/Unseen	Seen stimulus provided 24 hours before the examination
Other	Equipment required: black ink pen, black felt-tip pen, 2B pencil, sharpener, eraser, ruler, a set of coloured pencils or pens, A3 tracing paper

Instructions

Student responses must be completed individually, under supervised conditions, within a set timeframe. Visual and written stimulus is provided 24 hours before the examination. A design brief is provided during planning.

Task

Visually document the develop phase of the design process in response to the design brief and stimulus. You will need to:

- represent ideas and a design concept using ideation and/or schematic sketching

- devise ideas in response to the design problem

- synthesise ideas to propose a design concept

- evaluate ideas against design criteria to make refinements.

Design brief

Australians enjoy a great line-up of events every month, including festivals, sporting events, concerts, exhibitions and shows. To ensure public safety at these events, strategies such as bag searches, screening of bags, limiting the size of bags or banning bags altogether have been used to reduce the opportunity for dangerous items to be brought into events. Spectators have reported that these strategies have a negative impact on their enjoyment of the event. Spectators have a range of personal items they feel are necessary to carry with them; and a bag is the most common and convenient solution.

Your challenge is to design a service that modifies or eliminates the use of bags to improve safety at events without impacting on spectators' enjoyment.

Design criteria

- Allow spectators to access or use the usual products they would carry in a bag while at an event.

- Improve the event experience for spectators as they enter.

- Consider public safety at events.

Instrument-specific marking guide (IA1): Examination — design challenge (15%)

Criterion: Devising

Assessment objectives

4. devise ideas using divergent thinking strategies in response to a HCD problem in the develop phase

The student work has the following characteristics:	Marks
• multiple ideas perceptively devised from different points of view — with each idea incorporating unique, credible and detailed attributes — using divergent thinking strategies in response to a HCD problem in the develop phase	4–5
• ideas appropriately devised — with each idea incorporating credible and detailed attributes — using a divergent thinking strategy in response to a HCD problem in the develop phase	2–3
• ideas disjointedly devised in response to aspects of the HCD problem	1
• does not satisfy any of the descriptors above	0

Criterion: Synthesising and evaluating

Assessment objectives

5. synthesise ideas and HCD information to propose a HCD concept in the develop phase

6. evaluate the strengths, limitations and implications of ideas against design criteria to make refinements
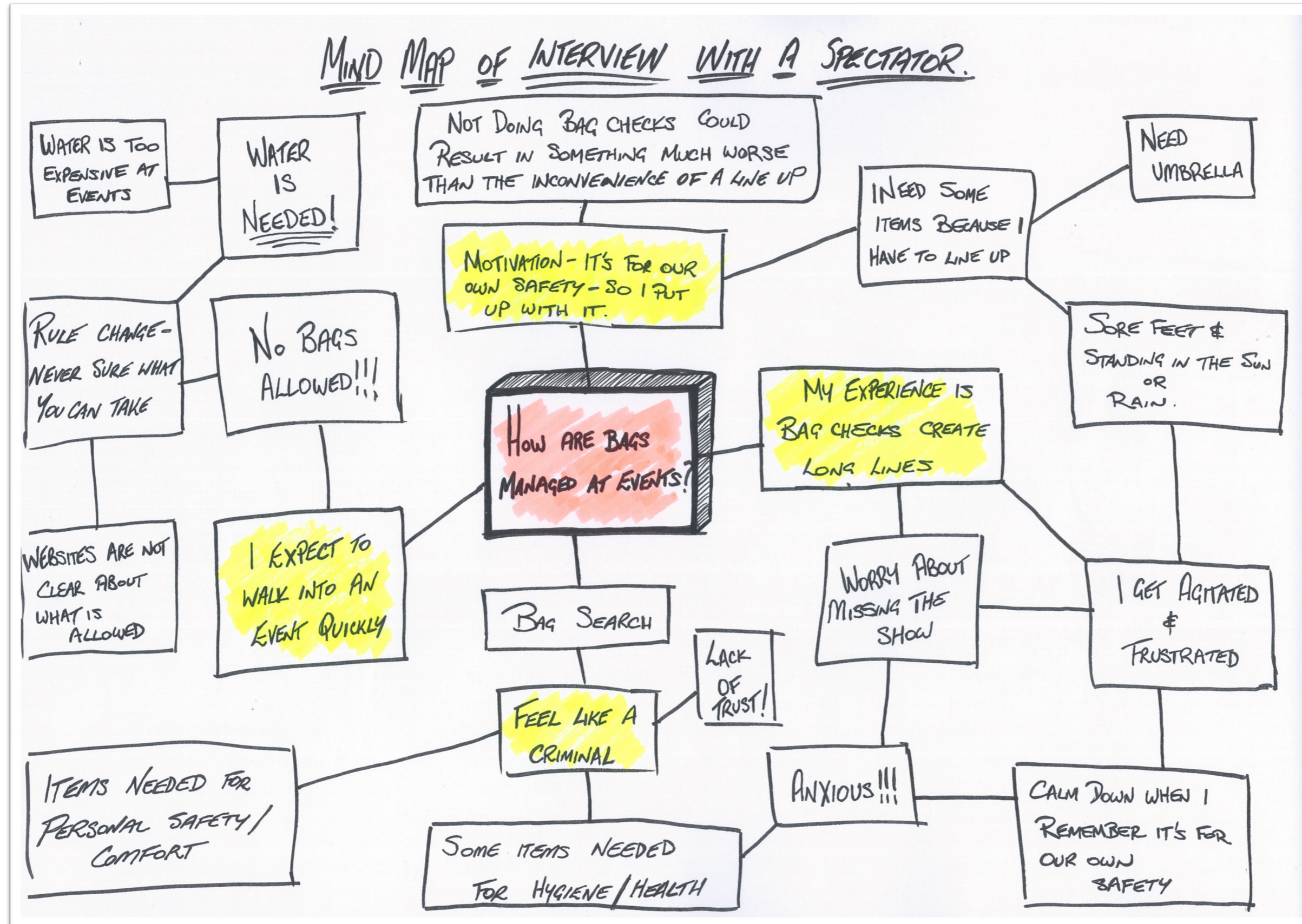
The student work has the following characteristics:	Marks
• coherent and logical synthesis by combining attributes of multiple ideas and HCD information to propose an innovative HCD concept in the develop phase • critical evaluation of the strengths, limitations and implications of ideas against design criteria to make discerning refinements that improve ideas	4–5
• simple synthesis of ideas and aspects of HCD information to propose a HCD concept in the develop phase • feasible evaluation of the strengths, limitations and implications of ideas against some design criteria to make adequate refinements to ideas	2–3
• unclear combination of ideas • identification of a change to ideas	1
• does not satisfy any of the descriptors above.	0

Criterion: Representing and communicating

Assessment objectives

2. represent ideas and a design concept using ideation and/or schematic sketching in the develop phase

The student work has the following characteristics:	Marks
• sophisticated representation of ideas and a design concept using fluent sequences of ideation and/or schematic sketching to progress understanding in the develop phase	4–5
• appropriate representation of ideas and a design concept using ideation and/or schematic sketching in the develop phase to progress understanding of ideas	2–3
• cursory representation of ideas and a design concept using unclear ideation and/or schematic sketching in the develop phase	1
• does not satisfy any of the descriptors above	0

MIND MAP OF INTERVIEW WITH A SPECTATOR.

- WATER IS TOO EXPENSIVE AT EVENTS
- WATER IS NEEDED!
- NOT DOING BAG CHECKS COULD RESULT IN SOMETHING MUCH WORSE THAN THE INCONVENIENCE OF A LINE UP
- NEED UMBRELLA
- I NEED SOME ITEMS BECAUSE I HAVE TO LINE UP
- MOTIVATION - IT'S FOR OUR OWN SAFETY - SO I PUT UP WITH IT.
- RULE CHANGE - NEVER SURE WHAT YOU CAN TAKE
- NO BAGS ALLOWED!!!
- SORE FEET & STANDING IN THE SUN OR RAIN.
- HOW ARE BAGS MANAGED AT EVENTS?
- MY EXPERIENCE IS BAG CHECKS CREATE LONG LINES
- WEBSITES ARE NOT CLEAR ABOUT WHAT IS ALLOWED
- I EXPECT TO WALK INTO AN EVENT QUICKLY
- BAG SEARCH
- WORRY ABOUT MISSING THE SHOW
- I GET AGITATED & FRUSTRATED
- LACK OF TRUST!
- FEEL LIKE A CRIMINAL
- ITEMS NEEDED FOR PERSONAL SAFETY / COMFORT
- ANXIOUS!!!
- CALM DOWN WHEN I REMEMBER IT'S FOR OUR OWN SAFETY
- SOME ITEMS NEEDED FOR HYGIENE / HEALTH