Illustrative sample, written to the real capstone brief and rubric. Learner projects are never published without a parent's written consent.

FARMCHECK

Warning farmers about fake fertilizer sellers

LEARNER	AGE	COHORT	ASSIGNMENT
C.O. (illustrative)	**14**	**Africa cohort 2, Cameroon**	**Week 8 capstone**

The brief: pick a real problem you have seen. Design an AI-assisted way to help with it: decide whether AI belongs, what data it would need, how it would decide, test the idea on examples, and say who it could harm. Say what AI did and what you did. No coding needed.

1 THE PROBLEM

Before planting season, our cooperative's WhatsApp group fills with adverts for cheap fertilizer. Last year my uncle paid a seller who disappeared. Farmers lose money, and sometimes a whole season.

Who has it: Farmers in my uncle's cooperative WhatsApp group.

> **AI or not?** A checklist can do most of this. AI could help read many adverts quickly, but the cooperative secretary decides before any warning goes out.

2 THE DATA IT WOULD NEED

WHAT	HOW MANY	WHERE FROM	PRIVACY
The cooperative's list of trusted sellers	18	Cooperative secretary	Business names and their real numbers only
Reported scam adverts	30	Members of the group, with permission	Personal phone numbers hidden
Real adverts from trusted sellers	30	The same group	Personal phone numbers hidden
Fertilizer price list	1	The local agriculture office	Public

What could be wrong with this data: Most reports come from one village, so FarmCheck may miss scams that look different elsewhere.

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3 HOW IT DECIDES

1. **Is the seller on the trusted list, with the same phone number?**
   If yes: looks okay
2. **Is the price more than a third below the agriculture office price?**
   If yes: one warning
3. **Does it ask for full payment before delivery, to a personal number?**
   If yes: one warning
4. **Does it rush you? ("only today", "last 10 bags")**
   If yes: one warning

NO WARNINGS	ONE WARNING	TWO OR MORE
Looks okay	Ask the secretary	Likely scam

Rule or pattern? These are rules I wrote. A trained model would learn patterns from my 60 adverts instead. In AI Thinkers I could build both and compare.

4 THE TEST

Tested on 10 adverts I did not use to write the rules. 8 of 10 right: one false alarm and one miss.

	EXAMPLE	FARMCHECK SAID	REALLY	RESULT
1	Trusted seller, normal price, pay on delivery	**Looks okay**	Real	**Right**
2	"Last 10 bags, half price, pay now" to a personal number	**Likely scam**	Scam	**Right**
3	Unknown seller, half price, full payment first	**Likely scam**	Scam	**Right**
4	New honest seller, opening discount, pay before delivery	**Likely scam**	Real	**False alarm**
5	Trusted seller, delivery next week	**Looks okay**	Real	**Right**
6	"Government subsidy fertilizer, pay a registration fee"	**Likely scam**	Scam	**Right**
7	Scammer using a trusted seller's name and photo	**Looks okay**	Scam	**Miss**
8	Unknown seller, normal price, pay on delivery	**Ask the secretary**	Real	**Right**
9	"Only today" offer, a third below the usual price	**Likely scam**	Scam	**Right**
10	Trusted seller, price up because of fuel costs	**Looks okay**	Real	**Right**

What I changed: FarmCheck now checks the phone number against the trusted list, not just the name, and new sellers go to the secretary instead of being marked as scams.

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5 WHO IT COULD HARM, AND WHAT I DID ABOUT IT

False alarm
An honest new seller marked as a scam could lose customers. So every warning goes to the secretary first, who calls the seller before farmers see anything.

Miss
A scammer copying a real seller can still pass. So FarmCheck shows its reasons, and members can report an advert.

Fairness
Sellers without smartphones, or who write in a local language, might look suspicious to the rules. I would test with adverts in the languages our members use.

Privacy
Members' personal numbers are never shared in the group.

✓ CREDIT

What AI did
Listed common scam signs and helped me shorten my rules into plain words.

What I did
Chose the four checks, collected the adverts with permission, ran the test and wrote this up. AI suggested "bad spelling" as a sign; I dropped it because honest sellers in our group type quickly too.

6 FACILITATOR'S EVALUATION

A real, specific problem	**Strong**
Data: what, where from, what is missing	**Secure**
How it decides: clear, testable rules	**Secure**
Who it could harm, and what to do about it	**Strong**
Credit: what AI did, what I did	**Secure**

Overall
Meets the capstone standard. Strong on who it could harm. Next: decide who confirms a warning before farmers see it.
Ready for AI Thinkers, where FarmCheck could become a working no-code prototype.

How to read the levels. Developing: shows the skill with prompting. Secure: shows it on their own most of the time. Strong: shows it unprompted, and can explain why it matters. The same scale is used in the parent report.

What this level does not do yet: build a working app. That is AI Thinkers, where a design like this becomes a no-code prototype that is tested with real users.