

Presentation by
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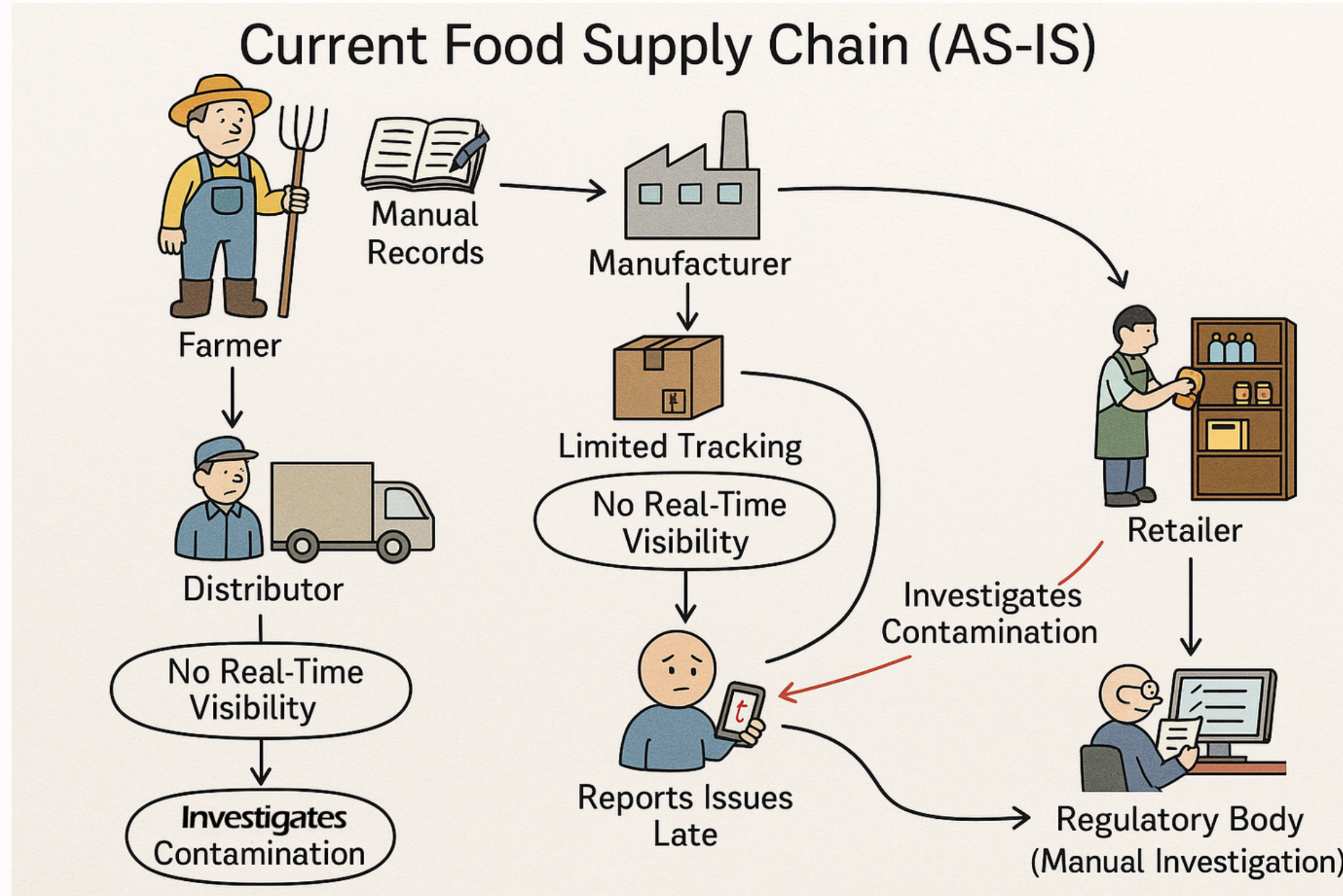


Safe Food: Food traceability system for agricultural products



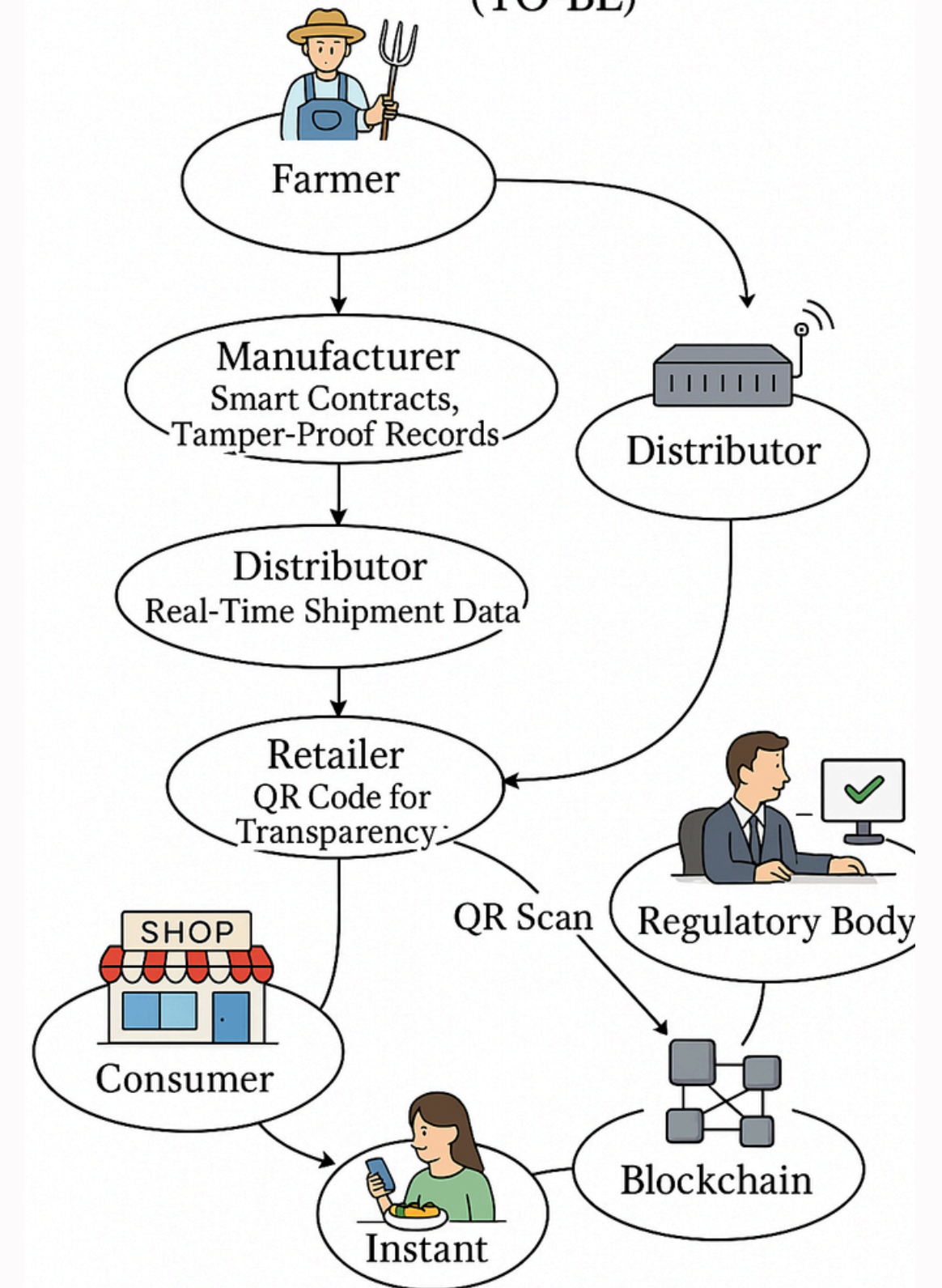
Rich pictures AS-IS vs. TO-BE

Rich Picture: AS-IS

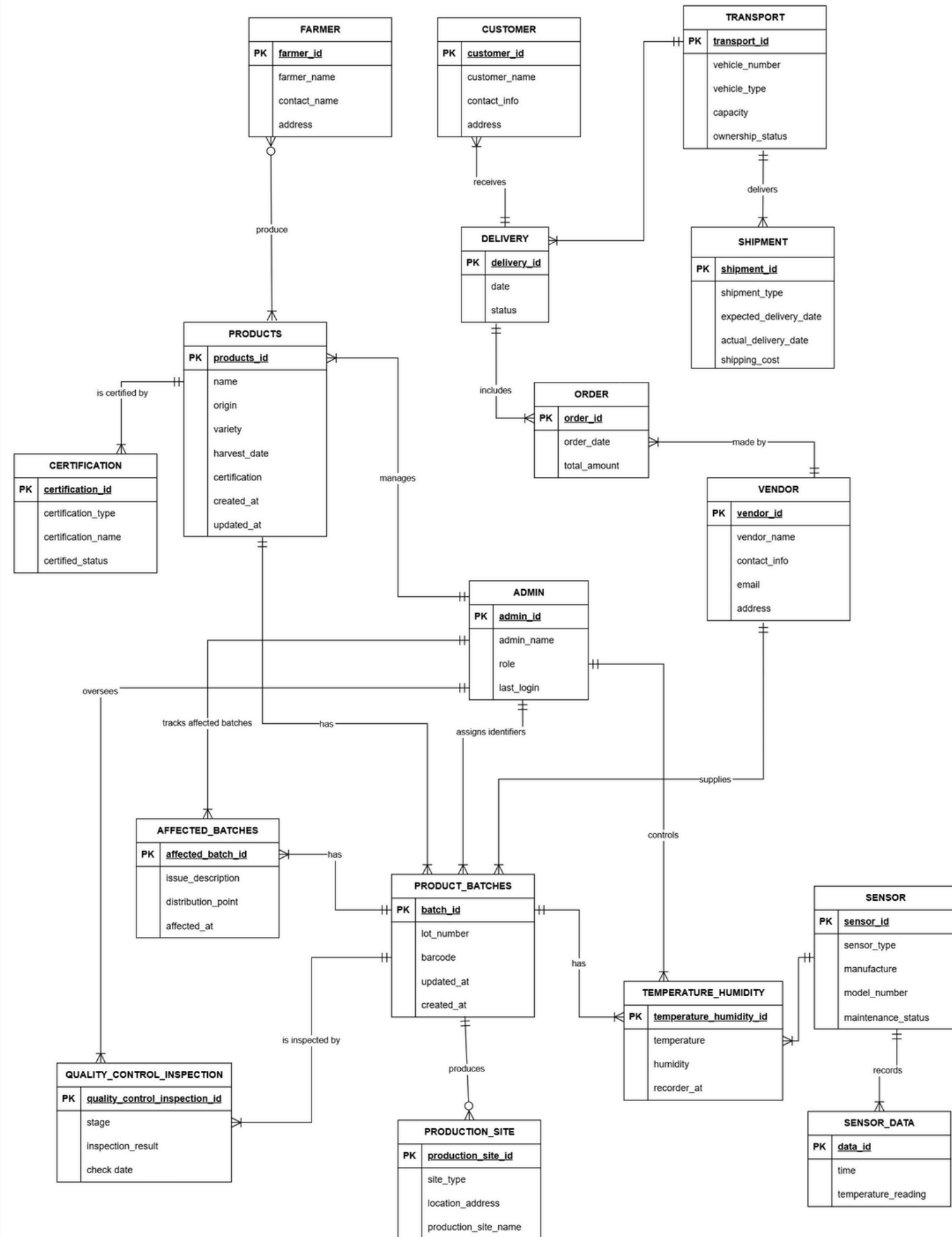


RichPicture: TO-BE

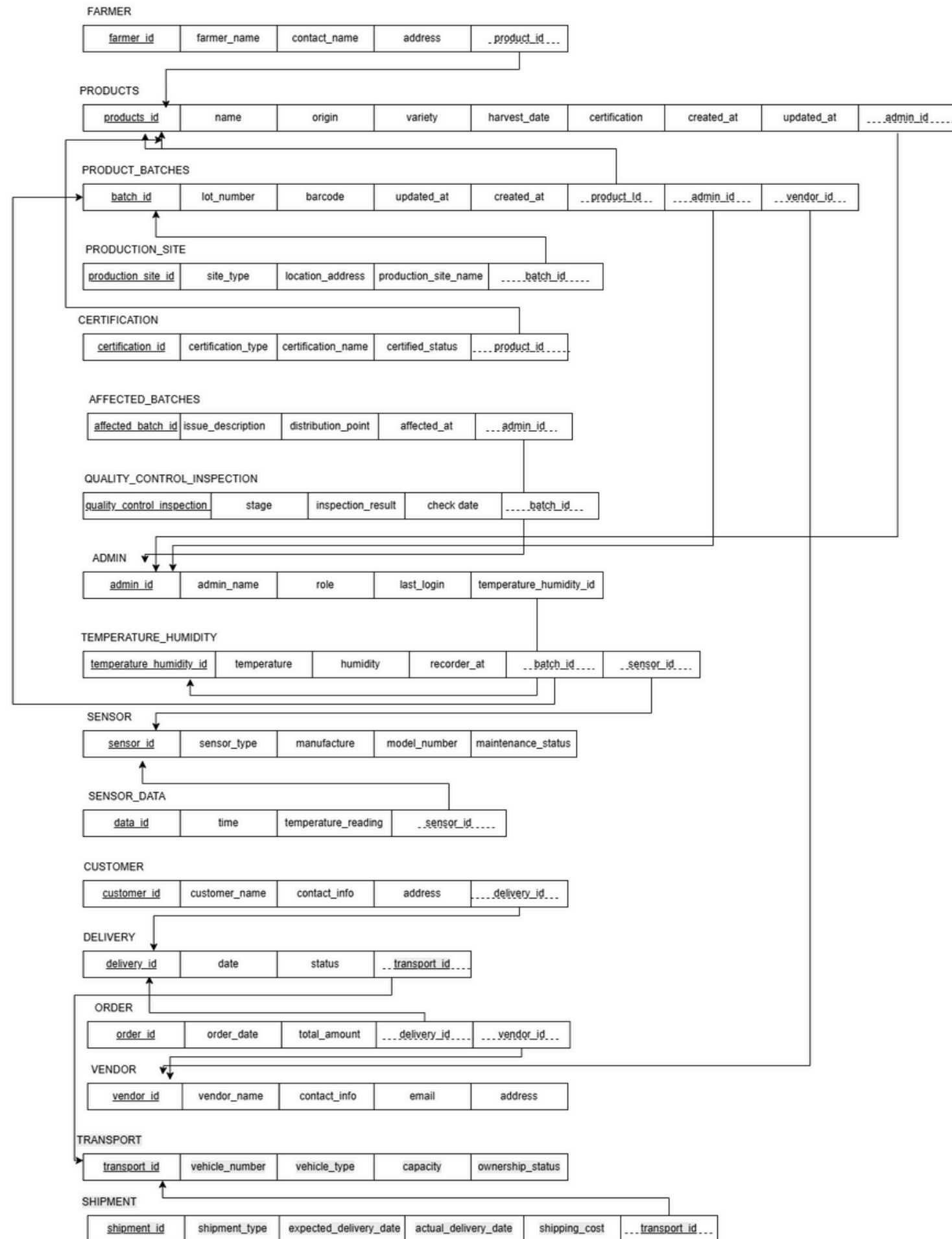
Blockchain-Based Food Traceability (TO-BE)



Entity Diagram Relation



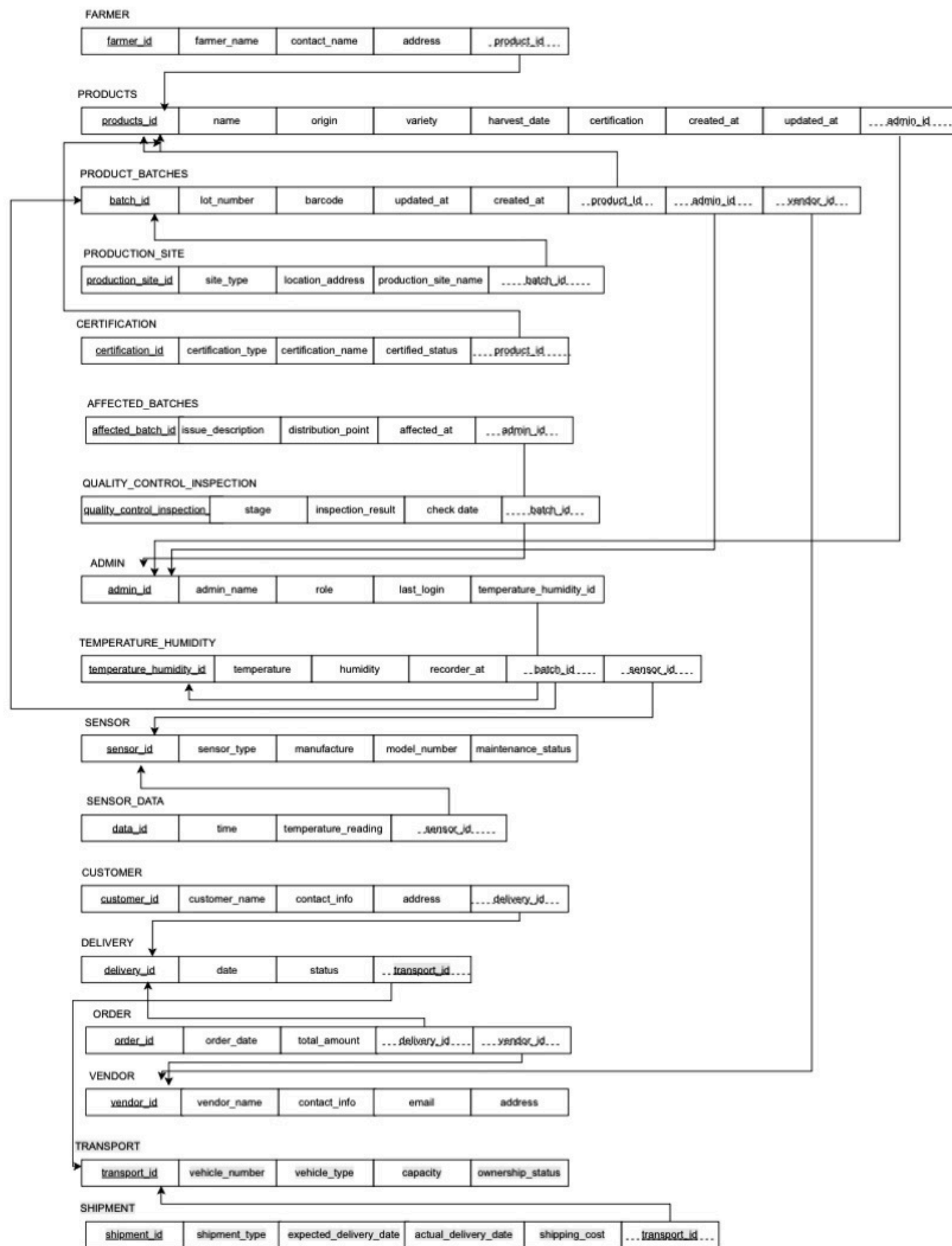
Relational Schema



Normalization

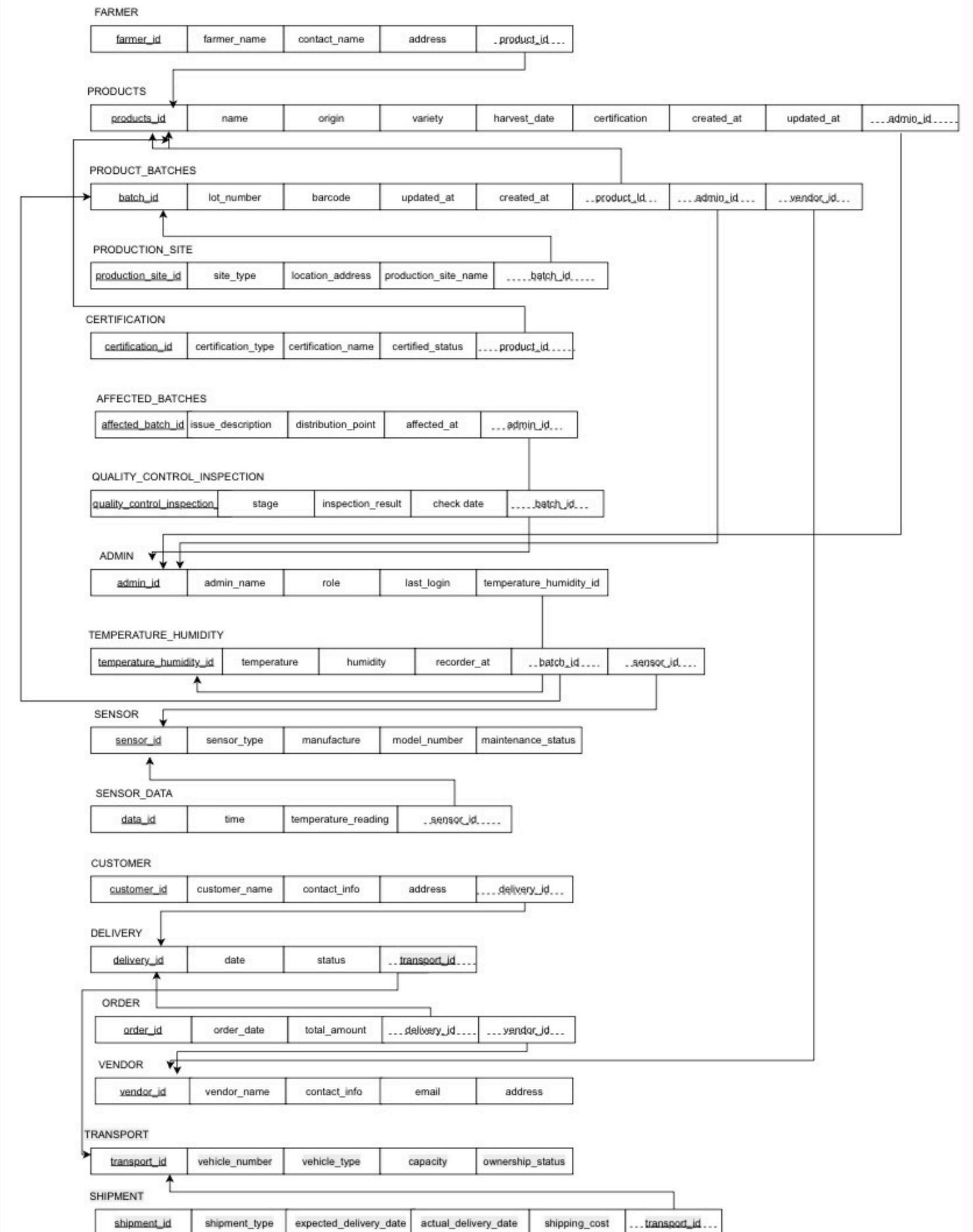
1NF:

All the relations have primary keys. So the relations are in 1NF.

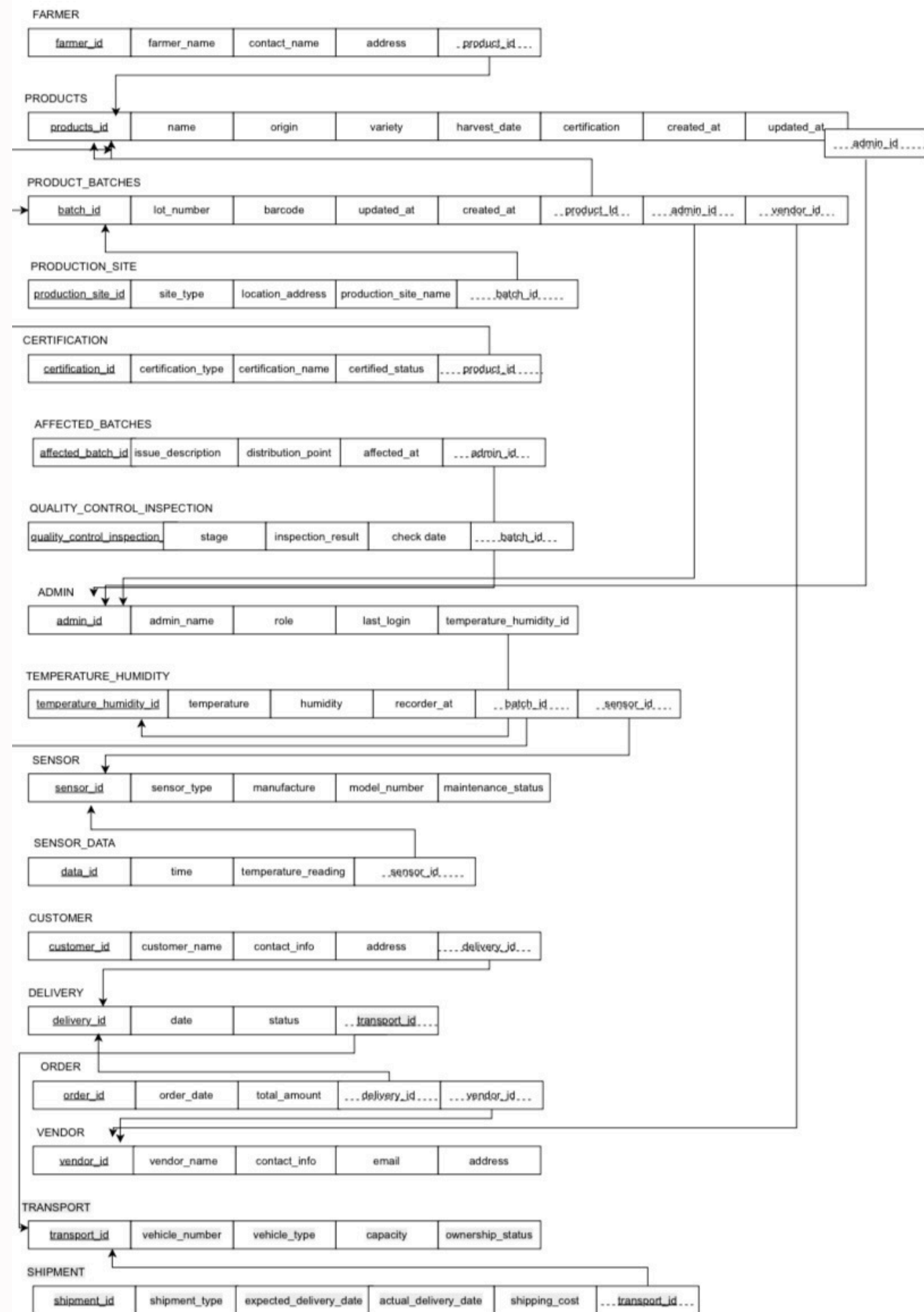


2NF:

All relations in 1NF are also in 2NF, as there is no composite primary key.

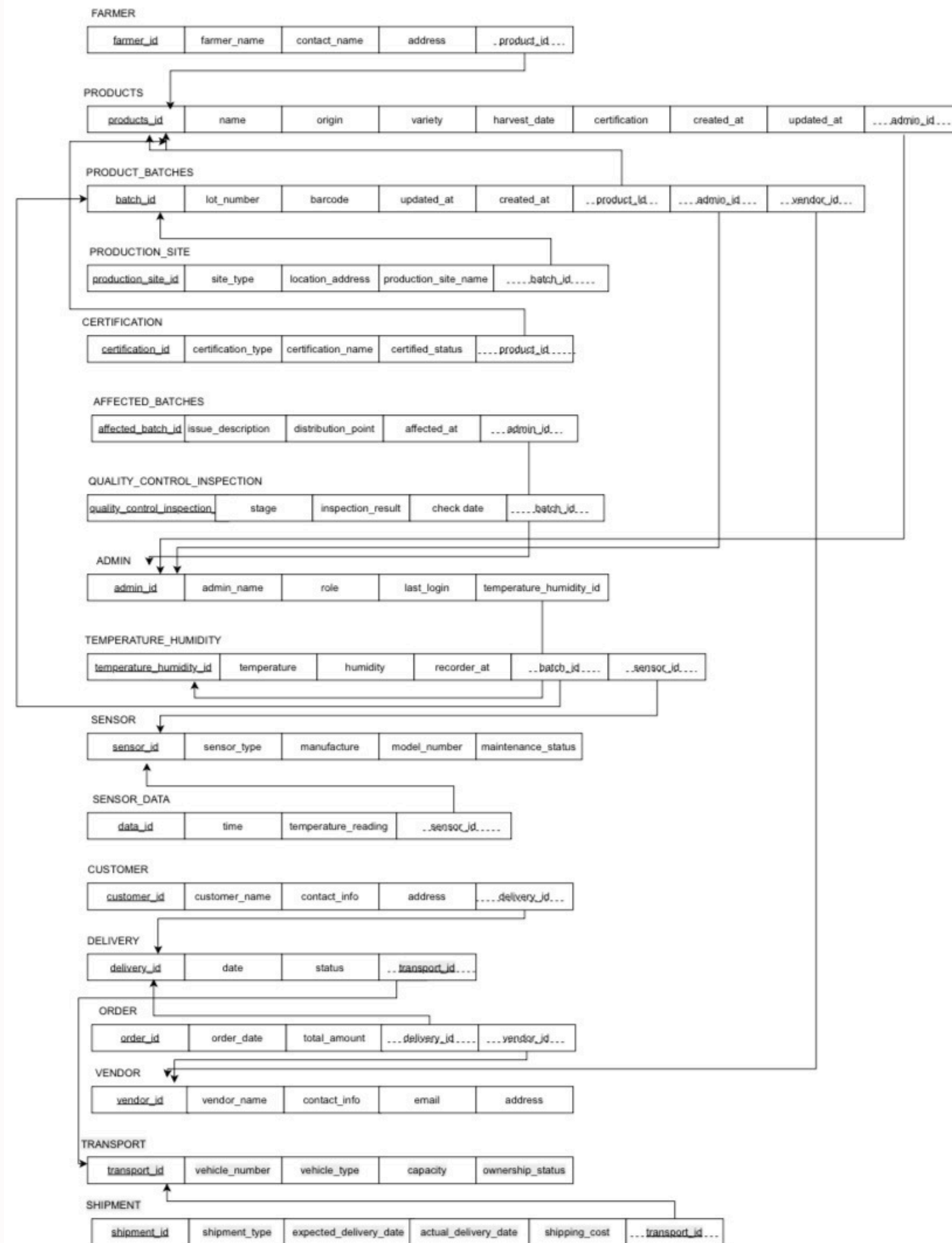


All relations in 2NF in are also in 3NF, as non-key identifies any of the non-key.



BCNF:

All relations in 3NF are also in BCNF, as non-key identifies any of the primary-key or part of the primary-key.



An aerial photograph of a lush green field, possibly a vineyard or agricultural field, with rows of plants visible. The image is overlaid with a complex network of white dots connected by thin lines, resembling a data network or a molecular structure. The background shows a horizon line with trees and a bright sky, suggesting a sunset or sunrise.

Thank you!