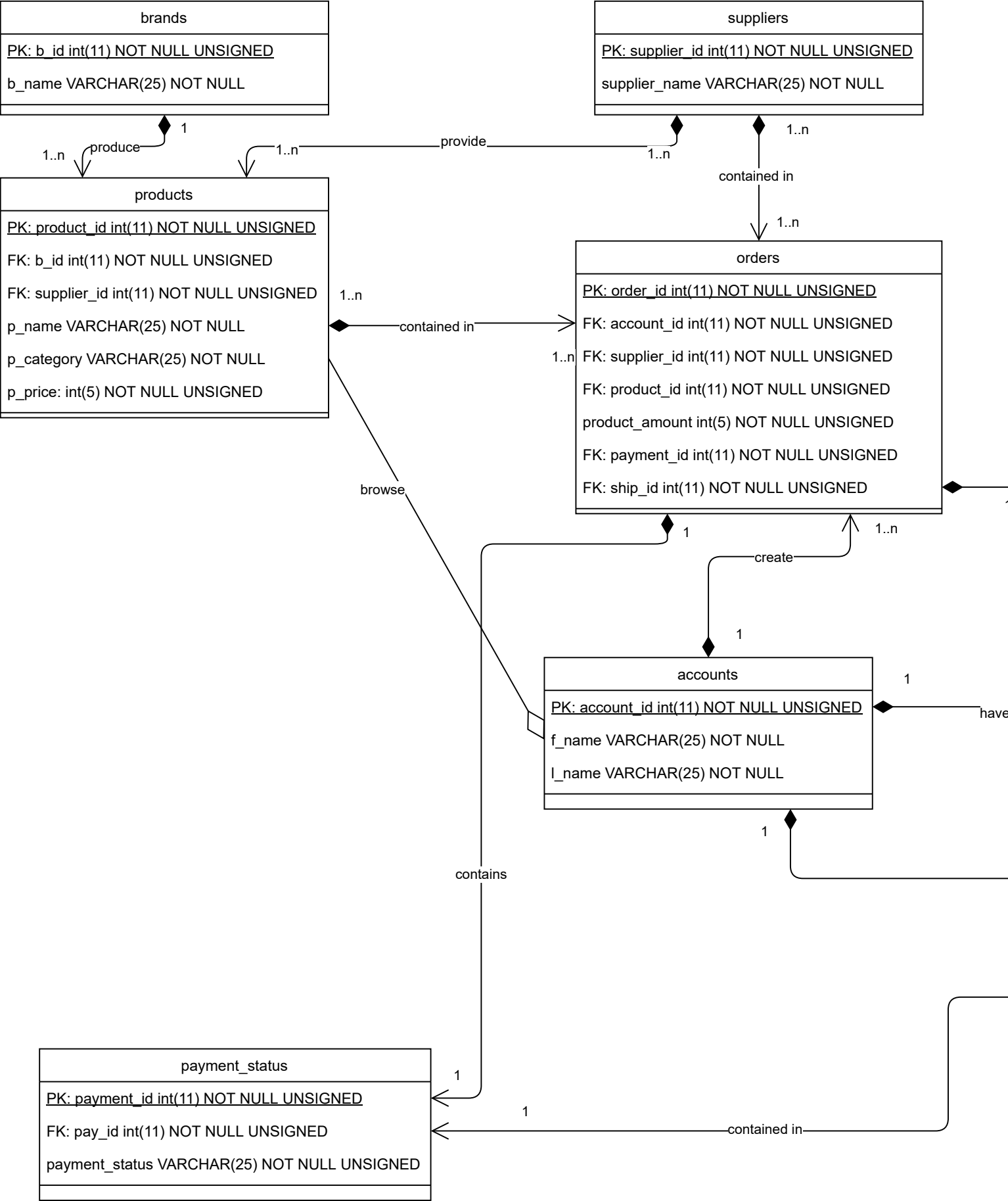


UML CLASS DIAGRAM



Check for Normalization:

1NF:

- 1) It should only have single(atomic) valued attributes/columns.
- 2) Values stored in a column should be of the same domain
- 3) All the columns in a table should have unique names.
- 4) And the order in which data is stored, does not matter.

Tables comply to 1NF

2NF:

- 1) It should be in the First Normal form.
- 2) And, it should not have Partial Dependency.

Partial dependencies occur where an attribute in a table depends on only a part of the primary key and not on the whole key.

Partial dependency therefore only occurs where composite keys are present. No partial dependencies in tables with composite keys apparent. Tables comply to 2 NF

3NF:

- 1) It is in the Second Normal form
- 2) And, it doesn't have Transitive Dependency.

When a non-prime attribute depends on other non-prime attributes rather than depending upon the prime attributes or primary key. No transitive dependencies apparent. Tables comply to 3NF

