Web Development — E-R Model Exercise

Read the following scenario:

Bobby wants to create an app kind of like Twitter. Users should be able to create a text post and add it to their profile. Users are then able to edit and delete their posts.

1. Think about two possible entities. Create **two business rules** between two entities. We haven't talked about cardinalities much, so just jot down what you think could be an answer here for now. Use the following guideline if needed:

<entity> <minimum cardinality> <relationship> <maximum cardinality> <entity>

For example, rule 5 is

<CUSTOMER> <may> <Submit> <any number> <ORDER>

A CUSTOMER may submit any number of ORDERs. However, each ORDER must be submitted by exactly one CUSTOMER.

2. Jot down a few possible attributes for each entity. Create an E-R Model for your two entities.
   - Be sure to underline the identifier (key) attribute in your E-R Model.
   - What is the relationship? 1:1, 1:M, M:N?
   - What type are your entities? (strong, weak, or associative)
   - What is the relationship degree? (Unary, binary, or ternary)

3. What are the classifications for the attributes for the entity, PRODUCT? (required, optional, simple, composite, single-valued, multivalued, stored, derived, and/or identifier)

PRODUCT
Product Id
Product Name (...)
Product Description
{Product Tags}
[Weekly Sale Goal]