

# Project Scenario

**Developer:** Uptown IT

**Client:** Typical Tech Tools

You are employed by *Uptown IT's Software Department* as a Software and Database Developer. Your manager has given you a new development and integration project. The client is *Typical Tech Tools*. The company specialises in selling a range of different tech accessories online. *Typical Tech Tools* currently has a functional website, developed recently by a friend, but the method of updating information relies on editing text files behind the website. *Typical Tech Tools* would like to upgrade to a functional database system to allow for streamlining all future updates to products, comments and the website. Your task is to implement a better system for updating and managing the websites data, through the integration of a database to the existing website.

Project requirements are as follows:

- Integrate a database with the website
- Migrate existing website data into the new database
- Integrate a basic login page with the website and database to replace the current system
- Display all products stored in a database
- Connect the existing functionality to a database:
  - Add new comments
  - Allow a user to modify their own recently created comments
  - Allow a user to delete their own recently created comments
  - View a list of all comments on a product
- Create new functionality and connect to the database:
  - Add new Products
  - Update product prices
  - Add an updated date to products
  - Add a created date to any new comments

A copy of the database structure in form of an ERD is presented below. You can add to, modify and improve the database structure as required to suit the project but you cannot remove data that is currently being stored.

## ER Diagram for Typical Tech Tools

