# Accounts Receivable - DGS, LLC

DGS, LLC is a small but growing educational game development company located in Mesa, Arizona that currently employs 13 part-time and full-time employees along with six programmer contractors. Its current product line consists of five items:

1) Jack & Jill Look for Water (Grades 2-5) (Price: $35.00)
2) Sally's Lemonade Stand (Grades 5-7) (Price: $40.00)
3) Trip Around our Solar System (Grades 7-9) (Price: $50.00)
4) Trip Through an AR Digestive System (Grades 9-11) (Price: $125.00)
5) Interactive Chemistry Experiments (Grades 9-12) (Price: $125.00)

DGS tracks each customer for marketing purposes, hoping to sell them more products as their students grow through each grade level. To encourage customers to provide DGS with their contact information DGS offers each customer free product upgrades.

Each customer's contact data consists of the following:

1) Customer Code
2) First Name
3) Last Name
4) Mailing Address
5) City
6) State
7) Zip Code
8) Email Address
9) Phone Number

Additionally, DGS needs to know which products each customer purchased. With that data DGS will know when to market new products to each customer. Product data includes:

1) Product Code
2) Customer Code
3) Date Purchased
4) Price Paid

DGS, LLC is looking for someone who can develop a database management system to meet their needs. In addition to storing the data above, DGS needs the following features of their database:

1) Customer Report
2) Product Sales History
3) Product Marketing Schedule

In this assignment you will create databases for the customer and product sales. Each database will contain the above fields for each customer and each sale. Both will be entered and viewed in a GUI form.

DGS, LLC is requiring a flow chart and project schedule with four milestones (and grading criteria):

1) Flow Chart (Excel) – 15%
2) Mockup of what the data entry form will look like and how it will operate. (Excel) – 10%
3) A project schedule (Excel) – 15% of your final assignment grade
4) Final product completion (Python) – 60%

DGS expects final product completion to be no later than September 10, 2021.