

This exercise must be done using an object orientated language to the best of your ability. Any language that supports OOP can be used that you are comfortable with, but our preference would be one of the following: VB.NET, C#, Java, Javascript, or C++. Please submit your answer via email. The files should be compressed into a single zip file.

Farmer's Market

Design and code a class system that represents produce available at a farmer's market. There should be at least 5 varieties of fruit or vegetables that are sold overall.

- A farmer's market has different stands
 - Each stand has a farmer
 - Each stand has a supply of fruits and vegetables.
- The classes should allow a user to build a farmer's market and create a certain number of stands.
 - Then a user can assign a farmer and fruit/vegetables to a stand
- It also allows you to access each farmer and their list of produce.

Bonus

- The market has search capabilities to find a specific piece of produce and return a list of Farmers providing along with their location in the market.
- Buying produce reduces counts, which are then reflected accurately in the search.