**Out of 115 points (4-day project)**

**User stories:**

As a developer, if I don’t know what Lemonade Stand game is, I will play the game online for a bit to get familiar with the gameplay.

**(5 points):** As a developer, I want to make good, consistent commits.

**(25 points)**: As a player, I want the basic Lemonade Stand gameplay to be present.

**(10 points)**: As a player, I want a weather system that includes a forecast and actual weather, so that I can get a predicted forecast for a day or week and then what the actual weather is on the given day.

**(10 points)**: As a player, I want to be able to go to the store to purchase items (lemons, sugar, ice, and cups) so that I can make lemonade to sell.

**(10 points)**: As a player, the price of product as well as weather/temperature should affect demand, so that if the price is too high, sales will decrease, or if the price is too low, sales will increase, etc.

**(10 points)**: As a player, I want each customer to be a separate object with its own chance of buying a glass of lemonade, so that how much lemonade is purchased and how much a customer is willing to pay will vary from customer to customer.

**(5 points)**: As a player, I want the ability to make a recipe for my lemonade, so that I can include x-amount of lemons, x-amount of sugar, and x-amount of ice.

**(10 points)**: As a player, I want my game to be playable for at least seven days.

**(10 points)**: As a player, I want my daily profit or loss displayed at the end of each day, so that I know how much money my lemonade stand has made. I also want my total profit or loss to be a running total that is displayed at the end of each day, so that I know how much money my lemonade stand has made.

**(10 points)**: As a developer, I want to implement the SOLID design principles as well as C# best practices in my project, so that the project is as well-designed as possible.

**(10 points (5 points each))**: As a developer, I want to pinpoint at least two places where I used one of the SOLID design principles and discuss my reasoning, so that I can properly understand good code design. Minimum of two SOLID design principles must be used.

**Bonus Points:**

**(5 points)**: As a player, I want the game to be playable for more than one player, so that I can have multiple humans play each other or a human play a computer.

**(5 points):** As a player, I want to be able to save my game data, so that when I close the application and re-open it the data is persistent. (read and write from a text file)

**(5 points):** As a player, I want to register and login to play the game, so that my saved game data is unique to me (read and write from a text file)

**(5 points)** As a developer, I want to integrate a Weather API, so that my game has real-time weather based on a current temperature and forecast.

**Classes You Will Use (you may need more than what is provided):**

Program

Weather

Customer

Game

Inventory

Player

Store

Day

UserInterface