1. What does the program do?
   1. Gives people a simple random prompt to respond to every day.
      1. At least 5 different prompts
         1. Who was the most interesting person I interacted with today?
         2. What was the best part of my day?
         3. How did I see the hand of the Lord in my life today?
         4. What was the strongest emotion I felt today?
         5. If I had one thing I could do over today, what would it be?
         6. What blessings did you receive today?
         7. Did you receive an answer to any prayers today?
         8. How did you or your family bless each other’s lives today?
         9. Name one thing you did today that you are proud of.
   2. Records the prompt, their response, and the date as an entry.
   3. Displays the journal
   4. Saves the journal to a file
      1. Prompts the user for a filename and saves the journal to that file.
   5. Load the journal from a file
      1. Prompt the user for a filename and loads the journal from that file.
      2. This should replace any entries currently stored in the journal.
   6. Display a menu to allow users to choose the above options.
2. What user inputs does it have?
   1. Journal entry date and response to the random prompt.
   2. Filename to save the current journal.
   3. Filename to load the journal.
   4. Users menu selection.
3. What output does it produce?
   1. Journal entry to be included in the journal.
   2. Saves the journal to the selected filename.
   3. Loads the journal from the selected filename.
4. How does the program end?
   1. When the user exits the program.

CLASSES:

1. Prompt Generator
   1. Attributes
      1. Prompts
   2. Methods
      1. Generate prompt
      2. DoNotRepeat
2. Journal
   1. Attributes
      1. List<entry>
   2. Methods
      1. Adding an entry
      2. Displaying all entries
3. File
   1. Attributes
      1. Filename
      2. FileLocation
   2. Methods
      1. Load to file
      2. Save to file
4. Entry
   1. Attributes
      1. Prompt
      2. User response
      3. Date
   2. Methods
      1. Display entry
5. Menu
   1. Attributes
      1. MenuOptions
   2. Methods
      1. Display menu

|  |  |
| --- | --- |
| CLASS | PROMPT GENERATOR |
| Variable or Attribute | \_prompts: List  \_promptsUsed: List |
| Methods | ShowPrompt(): void |

|  |  |
| --- | --- |
| CLASS | JOURNAL |
| Variable or Attribute | \_entry: List  \_ |
| Methods | DisplayEntry(): void |

|  |  |
| --- | --- |
| CLASS | FILE |
| Variable or Attribute | \_fileName(): string |
| Methods | SaveToFile(): void  LoadToFile(): void |

|  |  |
| --- | --- |
| CLASS | ENTRY |
| Variable or Attribute | \_date: date  \_member: string |
| Methods |  |

|  |  |
| --- | --- |
| CLASS | MENU |
| Variable or Attribute | \_options: string |
| Methods | DisplayMenu(): void |

Welcome to the Journal Program!

Please select one of the following choices:

* + 1. Write
    2. Display
    3. Load
    4. Save
    5. Quit

What would you like to do?

* + - 1. Random prompt
         1. Journal entry
      2. Date: 12/9/2022 – Prompt: Repeat prompt
         1. Response
      3. What is the filename?
         1. Response
      4. What is the filename?
      5. Thank you for using Journal Program!