

# Sprintable Stories

ID Story

S1 As a user I want the GUI to have components that allow me to read in a data file so that I can choose the locality to use.

## Acceptance Criteria

- The GUI has a menu bar.
- The GUI has a “Utilities” menu.
- The GUI has a “Read” menu item under the “Utilities” menu.
- A standard file dialog appears when the user clicks on “Read”.
- The dialog only allows the user to choose files of the appropriate type.
- The dialog allows the user to “Cancel”.
- When “Cancel” is pressed (in the dialog) the main window is displayed.
- When “Open” is pressed, the main window is displayed.
- The GUI displays the current file in the title bar.

S2 As a user I want the GUI to have components that allow me to enter the year so that I can quickly select a particular year.

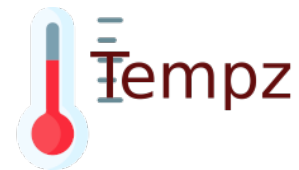
- The GUI has a “Year” entry field.
- The field is initially disabled.
- After reading a file the field is enabled.

S3 As a user I want the GUI to have components that allow me to enter the month so that I can quickly select a particular month.

- The GUI has a “Month” entry field.
- The field is initially disabled.
- After reading a file the field is enabled.

S4 As a user I want the GUI to have components that allow me to choose from a list of alternatives localities to reduce the number of data entry errors

- The GUI has a “Locality” entry field.
- The field is initially disabled.
- After reading a file the field is enabled.
- The “Locality” entry field has a list of alternatives that is consistent with the localities in the data files that have been read.



- S5 As a user I want the GUI to have components that allows me to request that calculations be performed so that I can enter information in any order.
- The GUI has a “Calculate” button.
  - The “Calculate” button is initially disabled.
  - The “Calculate” button is only enabled when there are entries in all three entry fields.
  - The “Calculate” button starts the calculation process.
- S6 As a user I want the GUI to have components that display the result of a particular calculation request as text so that I can copy and paste it into other applications.
- The GUI has a text component that displays the results.
  - The text component displays the results after the calculation process completes.
  - It is possible to copy results from the text component to the clipboard using the keyboard.
  - It is possible to copy results from the text component to the clipboard using the mouse.
- S7 As a user I want to know when a calculation has “completed”.
- The GUI displays a “No information available” message when the Calculate button is pressed and there is an invalid month.
  - The GUI displays the average maximum and average minimum temperatures when a calculation is successful.