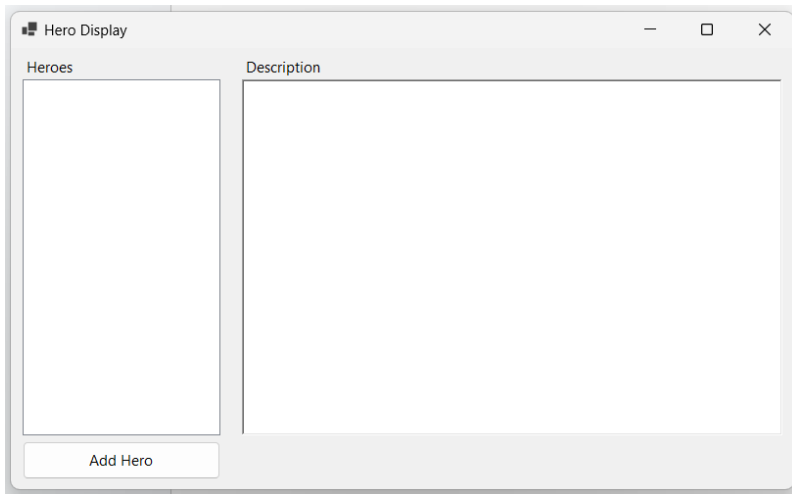


## **Activity 4: Hero Maker**

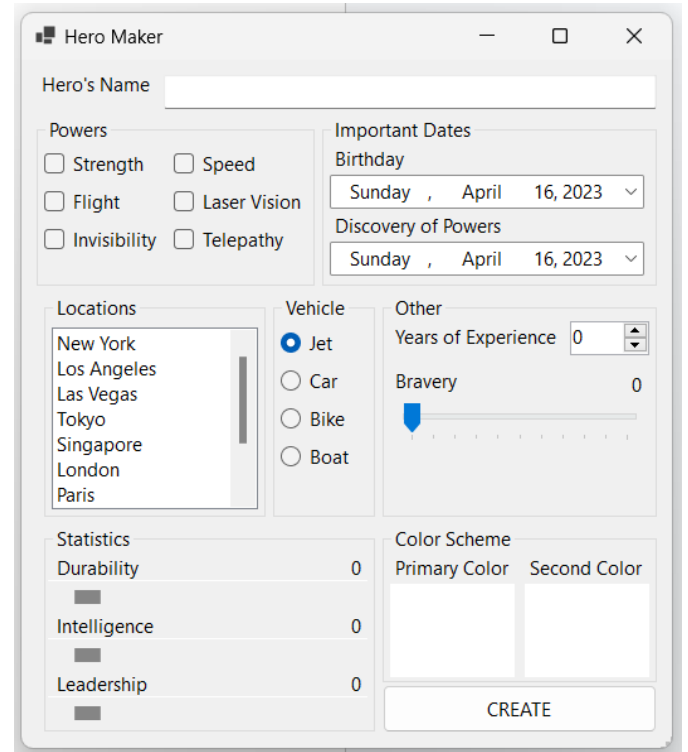
Jesse Dalton  
April 16, 2023

## PROGRAM OUTPUT

Empty Forms:

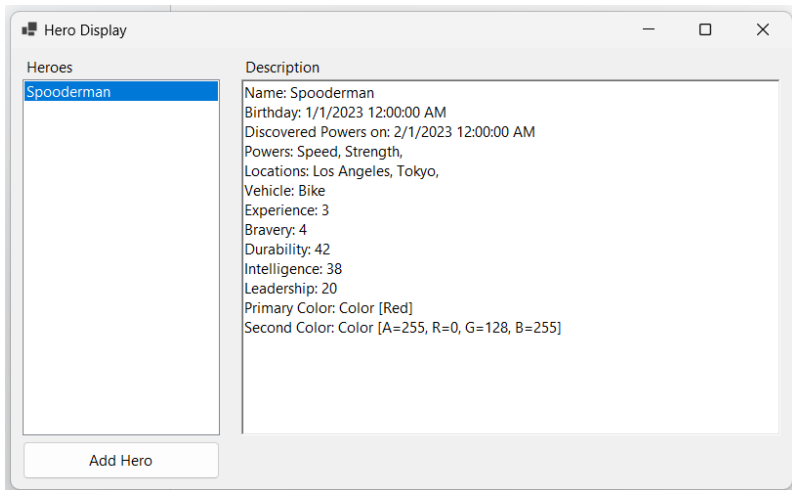


The Hero Display window is shown with two empty panels. The left panel, titled 'Heroes', contains a list box and an 'Add Hero' button at the bottom. The right panel, titled 'Description', is a large empty text area.

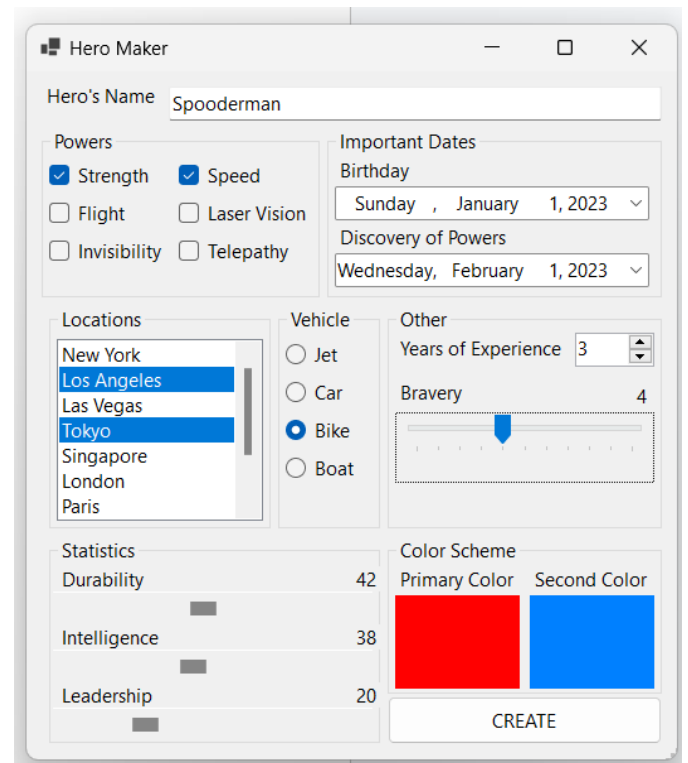


The Hero Maker window is shown with various input fields and checkboxes. The 'Hero's Name' field is empty. The 'Powers' section has checkboxes for Strength, Speed, Flight, Laser Vision, Invisibility, and Telepathy. The 'Important Dates' section has dropdowns for Birthday (Sunday, April 16, 2023) and Discovery of Powers (Sunday, April 16, 2023). The 'Locations' list box is empty. The 'Vehicle' section has radio buttons for Jet, Car, Bike, and Boat. The 'Other' section has a 'Years of Experience' spinner (0) and a 'Bravery' slider (0). The 'Statistics' section has Durability, Intelligence, and Leadership sliders, all at 0. The 'Color Scheme' section has Primary and Second Color pickers. A 'CREATE' button is at the bottom right.

First Hero:



The Hero Display window is shown with the 'Heroes' list box containing 'Spooderman'. The 'Description' panel displays the following information: Name: Spooderman, Birthday: 1/1/2023 12:00:00 AM, Discovered Powers on: 2/1/2023 12:00:00 AM, Powers: Speed, Strength, Locations: Los Angeles, Tokyo, Vehicle: Bike, Experience: 3, Bravery: 4, Durability: 42, Intelligence: 38, Leadership: 20, Primary Color: Color [Red], Second Color: Color [A=255, R=0, G=128, B=255].



The Hero Maker window is shown with the 'Hero's Name' field filled with 'Spooderman'. The 'Powers' section has checkboxes for Strength and Speed checked. The 'Important Dates' section has dropdowns for Birthday (Sunday, January 1, 2023) and Discovery of Powers (Wednesday, February 1, 2023). The 'Locations' list box contains 'Los Angeles', 'Tokyo', and 'Singapore'. The 'Vehicle' section has radio buttons for Jet, Car, Bike, and Boat, with 'Bike' selected. The 'Other' section has a 'Years of Experience' spinner (3) and a 'Bravery' slider (4). The 'Statistics' section has Durability, Intelligence, and Leadership sliders, with values 42, 38, and 20 respectively. The 'Color Scheme' section has Primary and Second Color pickers, with the Primary Color set to Red and the Second Color set to Blue. A 'CREATE' button is at the bottom right.

## Second Hero:

The Hero Display window shows a list of heroes on the left with 'Spudderman' selected. The main area displays the hero's details:

Heroes	Description
Spooderman Spudderman	Name: Spudderman Birthday: 4/4/2023 12:00:00 AM Discovered Powers on: 5/4/2023 12:00:00 AM Powers: Invisibility, Flight, Strength, Locations: New York, Los Angeles, Singapore, Rome, Sydney, Vehicle: Car Experience: 2 Bravery: 9 Durability: 4 Intelligence: 91 Leadership: 5 Primary Color: Color [Purple] Second Color: Color [Lime]

At the bottom left is an 'Add Hero' button.

The Hero Maker window shows the configuration for 'Spudderman':

- Hero's Name:** Spudderman
- Powers:** ☒ Strength, ☐ Speed, ☒ Flight, ☐ Laser Vision, ☒ Invisibility, ☐ Telepathy
- Important Dates:** Birthday: Tuesday, April 4, 2023; Discovery of Powers: Thursday, May 4, 2023
- Locations:** Tokyo, Singapore (selected), London, Paris, Rome, Sydney, Cairo
- Vehicle:** ☐ Jet, ☒ Car, ☐ Bike, ☐ Boat
- Other:** Years of Experience: 2, Bravery: 9
- Statistics:** Durability: 4, Intelligence: 91, Leadership: 5
- Color Scheme:** Primary Color: Purple, Second Color: Lime
- CREATE** button

## Errors:

Clicked Create with empty Name field:

The Hero Maker window shows an empty 'Hero's Name' field. An error dialog box is displayed with the message: "Name cannot be empty." with an 'OK' button.

Changed a Stat so the total was over 100:

The Hero Maker window shows the 'Not Empty Man' hero with the following statistics: Durability: 30, Intelligence: 30, Leadership: 40. An error dialog box is displayed with the message: "Statistics Total must not exceed 100" with an 'OK' button.