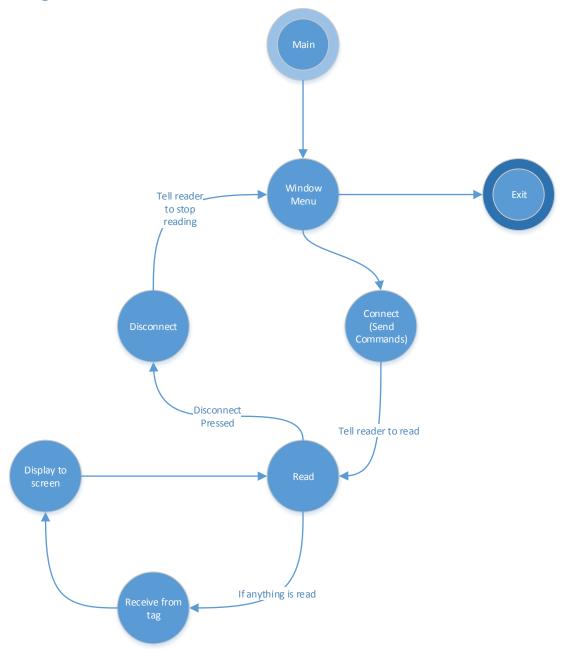
Question from the PDF:

? Provide a brief explanation of what you observed when working with different types of tags and the effective range of each one.

We found that certain tags had a larger range compared to other tags. The tags that were larger seemed to have a larger reading range, while the smaller tags were not as easily read or distinguished.

We also found that when multiple tags were placed, the larger tags would be read before the smaller tags and the larger tags were read on an average more than the smaller tags.

Design



Pseudo Code

```
Main Function
      Initialize variables
      Create window()
}
Display Window Menu Function
      Create connect button
             if pressed, Call DetectMode() - EVENT
             change state to true
      create exit button
             close threads
             exit the program
      Create disconnect button
             If pressed, close serial port
Detect Mode (Event)
      Open the serial port
      GetCommSettings
      Set Comm Settings
      if tag is detected and status is true
             create send thread (SendCommand())
}
Send Command
      Send command to tag
      call receivefromtag()
}
```

```
Receive from tag
{
    Get data from tag
    Call DisplayCharacters()
}

Display Characters
{
    Display characters on window close thread
}

Disconnect Mode
{
    Close the serial Port Change the state to false Close event/threads
}
```