



THE PALMER CATHOLIC ACADEMY, SUMMER 2025
Computer Science Transition, Year 11 into 12

PLEASE NOTE YOU WILL ALSO HAVE TO DOWNLOAD
THE COMPUTER SCIENCE INTRODUCTION TO TKINTER
PDF

Your Task	<p>Create a 'FLASH CARD' GUI program using the Tkinter library in Python.</p> <p>Pick a topic in computing (e.g. Computing Hardware) and create a program which has a series of 'buttons' and a 'text area'.</p> <p>When each button is clicked, information about that part of the topic is presented in the text area. An example is shown below.</p>
Your starting point	<ol style="list-style-type: none">1. Download Python 3.7.1 to your computer2. Tkinter (and, since Python 3.1, ttk) are included with all standard Python distributions. However if you have any issues: https://tkdocs.com/tutorial/install.html3. Create your GUI

Resources:

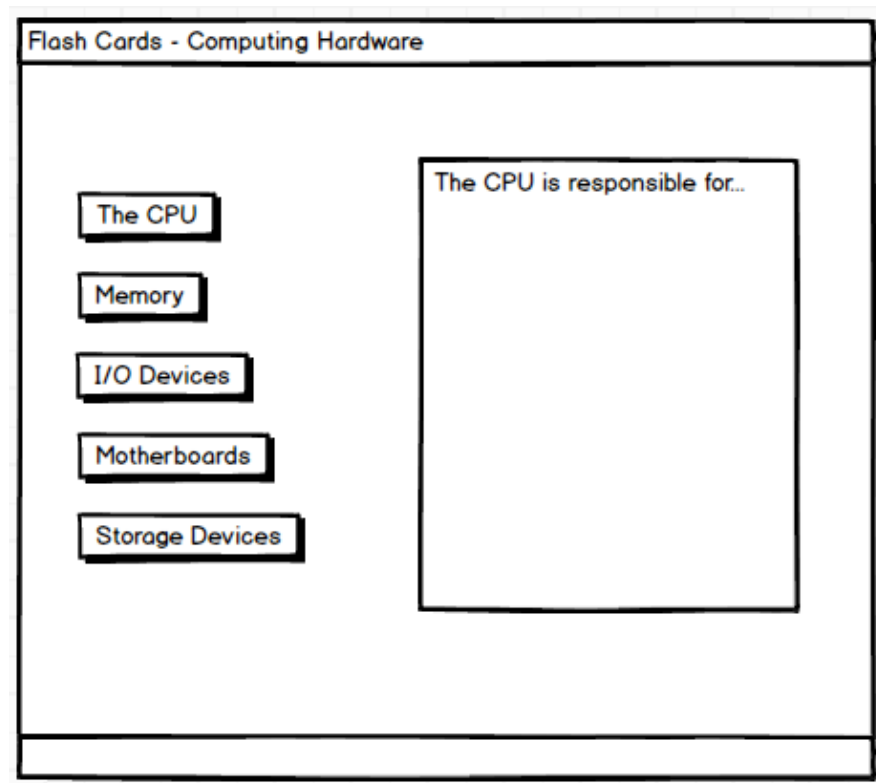
- Attached PDF - Introduction to TKinter.pdf

Links to other helpful documents:

- <https://engmrk.com/wp-content/uploads/2018/01/Tkinter-Cheat-Sheet.pdf>
- <https://dzone.com/articles/python-gui-examples-tkinter-tutorial-like-geeks>
- https://www.tutorialspoint.com/python3/python_gui_programming.htm

Online video tutorials

- <https://www.youtube.com/watch?v=whErCLh0-QU>
- <https://www.youtube.com/watch?v=cvBRhYeO7hc>
- <https://www.youtube.com/watch?v=ISNrR1nZU>
- <https://www.youtube.com/watch?v=VMP1oQOxfM0>
- <https://www.youtube.com/watch?v=D8-snVfekto>
- <https://www.youtube.com/watch?v=7MQWCtTr0zA>
- <https://www.youtube.com/watch?v=-tbWoZSi3LU>



<p>How your work will be assessed</p>	<p>Grade A: Create a simple GUI that includes:</p> <ul style="list-style-type: none"> • Buttons • Entry boxes • Labels • Commands added to buttons to call functions • Menu bar (at least 2 drop down menus) OR Menu screen/s with buttons linked to other window frames • At least 3 other additional features (eg. Spinners/Radio Buttons/Check Boxes/changing colours) <p>Grade B: Create a simple GUI that includes:</p> <ul style="list-style-type: none"> • Buttons • Entry boxes • Spinners/Radio Buttons/Check Boxes • Labels • Commands added to buttons to call functions • At least 2 other additional features (eg. Spinners/Radio Buttons/Check Boxes) <p>Grade C: Create a simple GUI that includes:</p> <ul style="list-style-type: none"> • Buttons • Entry boxes • Labels • Commands added to buttons to call functions • At least 1 other additional feature (eg. Spinners/Radio Buttons/Check Boxes)
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