

```

1  import tkinter as tk
2  from tkinter import filedialog, messagebox
3  from pdf_tools import perform_conversion, conversions
4
5  class PDFConverterApp:
6      def __init__(self, root):
7          self.root = root
8          self.root.title("PDF Converter")
9          self.create_widgets()
10
11     def create_widgets(self):
12         tk.Label(self.root, text="Select an option:").pack(pady=10)
13         self.option_var = tk.StringVar(value='1')
14         for key, (description, _) in conversions.items():
15             Radiobutton = tk.Radiobutton(self.root,
16                                         text=description,
17                                         variable=self.option_var,
18                                         value=key)
19
20             Radiobutton.pack(anchor='w')
21
22         Select_file_button = tk.Button(self.root,
23                                       text="Select File",
24                                       command=self.select_file)
25
26         Select_output_button = tk.Button(self.root,
27                                         text="Select Output Path",
28                                         command=self.select_output_path)
29
30         Convert_button = tk.Button(self.root,
31                                   text="Convert",
32                                   command=self.convert)
33
34         Select_file_button.pack(pady=5)
35         Select_output_button.pack(pady=5)
36         Convert_button.pack(pady=10)
37
38         self.file_path = None
39         self.output_path = None
40
41     def select_file(self):
42         self.pdf_path = filedialog.askopenfilename(title="Select File")
43         if self.pdf_path:
44             print(f"Selected file: {self.file_path}")
45
46     def select_output_path(self):
47         self.output_path = filedialog.askdirectory(title="Select Output Directory")
48         if self.output_path:
49             print(f"Selected output path: {self.output_path}")
50
51     def convert(self):
52         choice = self.option_var.get()
53         if self.pdf_path and self.output_path:
54             success, message = perform_conversion(choice, self.file_path, self.
55                                                  output_path)
56             if success:
57                 messagebox.showinfo("Success", message)
58             else:
59                 messagebox.showerror("Error", message)
60         else:
61             messagebox.showwarning("Warning", "Please select both an input file and an
62                                     output path.")
63
64 def main():
65     root = tk.Tk()
66     app = PDFConverterApp(root)
67     root.mainloop()

```

```
66
67  if __name__ == "__main__":
68     main()
69
```